A Unified Analysis of Crustal Motion in California, 1970-2004: The SCEC Crustal Motion Map

Z.-K. Shen, R. W. King, D. C. Agnew, M. Wang, T. A. Herring, D. Dong, and P. Fang

Abstract

To determine crustal motion in and around southern California, we have processed and combined trilateration data collected from 1970 to 1992, VLBI data from 1979 to 1992, and GPS data from 1986 to 2004: a long temporal coverage required in part by the occurrence of several large earthquakes in this region. From consecutive solutions of station position, we have estimated interseismic velocities, coseismic displacements, and postseismic motions. The final product includes estimates for 1003 GPS, 190 trilateration, and 16 VLBI points, with ties between some of these used to stabilize the solution. All motions are relative to the North American reference frame as defined by velocities of 21 GPS stations, chosen to be consistent with the SNARF definition. The primary horizontal deformation is shear across the plate boundary, which is broadly distributed, as far away as the Eastern California Shear Zone to the northeast and the strike slip faults on and off shore of California coast to the southwest. Secular vertical motions are small (< 1 mm/yr) in most areas, with 2-4 mm/yr downward motions seen around the Ventura, Los Angeles, and San Gabriel basins. Postseismic deformation following the 1992 Landers, 1994 Northridge, and 1999 Hector Mine earthquakes mimics the coseismic deformation patterns, but is much smaller, and shows a temporal dependence matching a logarithmic relaxation with a time constant of about 10 days.

1. Introduction

An important part of understanding the mechanics of plate boundaries is measuring the motions that take place along them. With the development of precise measurement techniques, especially the methods of space geodesy, and most notably the Global Positioning System, such measurements are being made across much of the on-land parts of the global plate boundaries; these data provide the best estimates available of how deformation takes place on time scales of years and decades. Since this is approximately the same time scale as the cycle of seismic energy buildup and release, geodetic data are particularly relevant to our understanding of the mechanics of this cycle, of the response of the crust to earthquakes, and of the expected earthquake hazard in a region.

In California, deformations from earthquakes were first measured for the 1906 earthquake using triangulation; reliable measurements of deformations between earthquakes started with repeat trilateration measurements that began about 1960 and were greatly expanded and improved after 1970. Space geodetic measurements began with very long baseline interferometry (VLBI) experiments in 1979. Survey-mode GPS measurements for crustal deformation began in 1986, and expanded rapidly thereafter, producing many repeat surveys of geodetic markers throughout the region. Permanent GPS measurements began with a few tracking stations; a regional network of ten stations was in place by 1994 and grew rapidly thereafter, with over 250 stations by the end of the century.

Subsets of the geodetic data collected have been used to study secular deformation (e.g. King and Savage, 1983, 1984; Lisowski, *et al.* 1991; Savage 1984; Savage *et al.* 1986;

Savage and Lisowski 1995; Minster and Jordan 1987; Saucier and Humphreys 1993; Donnellan *et al.*, 1993; Shen *et al.*, 1993, 1996; Feigl *et al.*, 1993; Larson and Agnew, 1991; Larson and Webb, 1992; Larsen and Reilinger, 1992; Bennett *et al.*, 1996; Bock *et al.*, 1997; Walls *et al.*, 1998; Wdowinski *et al.*, 2001; Argus *et al.*, 1999), coseismic deformations (e.g. Bennett *et al.*, 1995; Hudnut *et al.*, 1994, 1996; Donnellan and Webb, 1998; Agnew *et al.*, 2002; Rolandone *et al.*, 2006), and postseismic deformation (e.g. Shen *et al.*, 1994; Donnellan and Lyzenga, 1998; Savage and Svarc, 1997, Savage *et al.*, 2003; Pollitz *et al.*, 2000; Owen *et al.*, 2002). However, none of these have used the full datasets that have become available, and the rapid improvement of GPS processing has superseded some of the methods used in the earlier work.

For this reason the Southern California Earthquake Center has supported the development of a set of estimates of current earth motion, called Crustal Motion Model, or CMM, (formerly known as the Horizontal Deformation Velocity Map). This is one of a number of SCEC "community models'', which aim to provide a consensus result for use by a wider community. The goal of the Crustal Motion Model has been to combine all available precise geodetic data to produce a best estimate of the current interseismic horizontal velocities at a large number of points in southern California. Version 1 of the CMM was released in October 1996, Version 2 in July 1998, and Version 3 in 2003. These have been used in a number of analyses (e.g. Jackson *et al.*, 1995; Jackson *et al.*, 1997; Shen-Tu *et al.*, 1999; Meade and Hager, 2005a, 2005b; Becker *et al.*, 2005; Parsons, 2006; McCaffrey, 2005; Ward, 2007; Shen *et al.*, 2007; Wdowinski *et al.*, 2007). However, Version 3 did not include adequate treatment of postseismic motion, and also gave only horizontal motions.

This paper describes Version 4 of the CMM, which includes much GPS data not available in previous versions: both additional survey-mode data, and the longer spans of data from the permanent sites of the SCIGN network. As before, the analysis also includes precise trilateration data from the Crustal Strain project of the US Geological Survey (1970-1992) and VLBI data collected by the NASA Crustal Dynamics Program (1979-1992).

This paper describes the procedures used to produce this estimate of velocities, discusses the decisions that were made in data selection and combination, explains the basis for the error estimates, and addresses some of the issues that have arisen. This project has used a wider range of data, over a longer time span than have most recent estimates of crustal motion in other areas. This longer time span has been needed in large part because several significant earthquakes have occurred in the region of interest: the Landers earthquake on June 28, 1992; the Northridge earthquake on January 17, 1994, and the Hector Mine earthquake on October 16, 1999. Allowing for the effects of these has complicated the estimation of velocities significantly. What has come out of the process, however, is a more rigorous representation than ever before of the crustal deformation field incorporating the secular velocities, coseismic displacements, and postseismic motion.

2. Data Sets and Their Preparation

We first describe the different data types that we have combined. Figure 1 shows the spatial coverage of each type of data, and Figure 2 their temporal distribution.

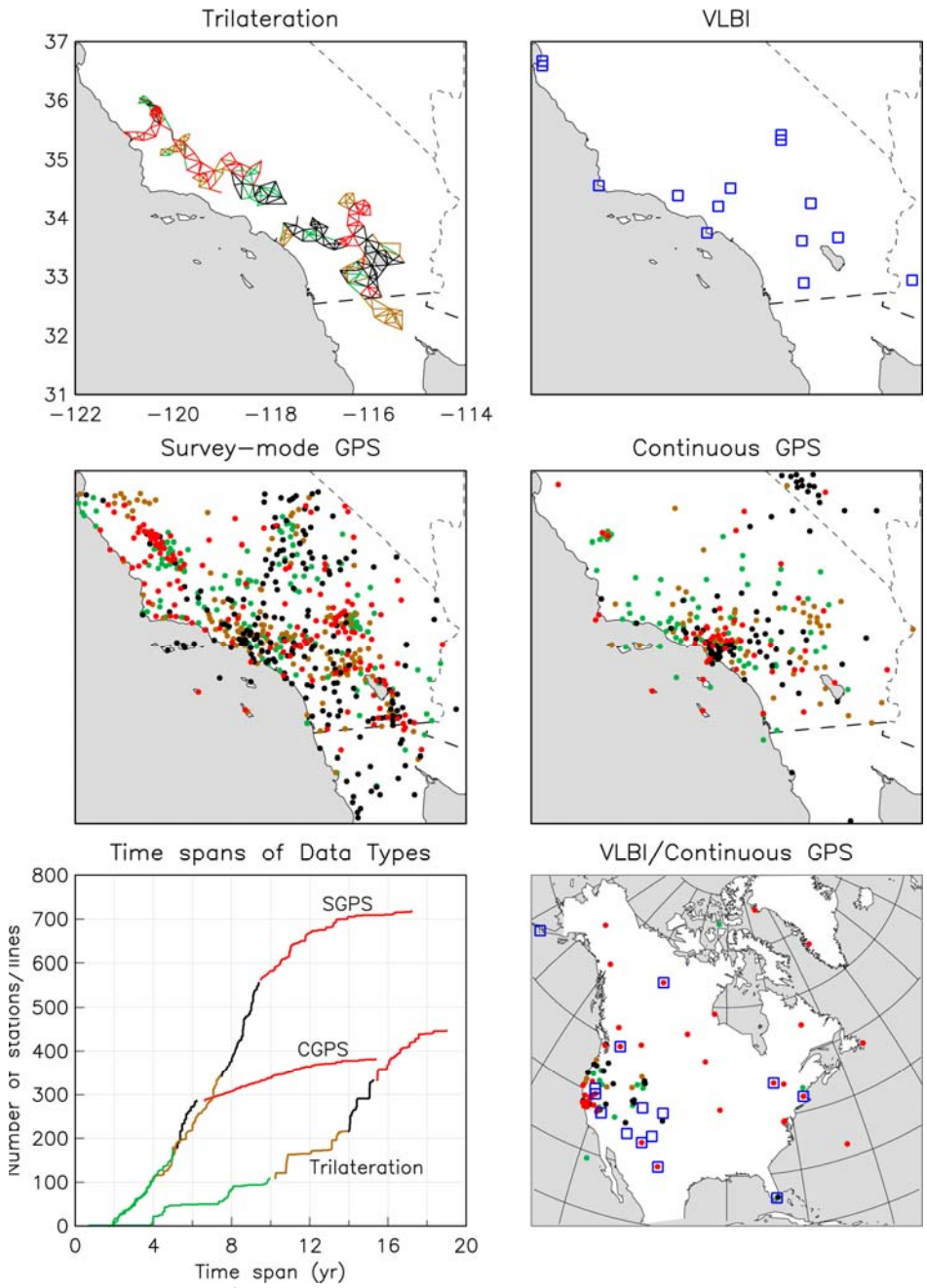

Figure 1. Positions of trilateration lines, VLBI points, survey-mode GPS, and continuous GPS stations used in the CMM4. The lower right plot shows points outside of the southern California area. All trilateration lines and GPS points are colored by the total time span covered for each one; the time spans are chosen to give nearly equal numbers in each class (quartiles); the lower-right frame shows the coloring applied to the cumulative distribution of time spans.

2.1 Trilateration Data

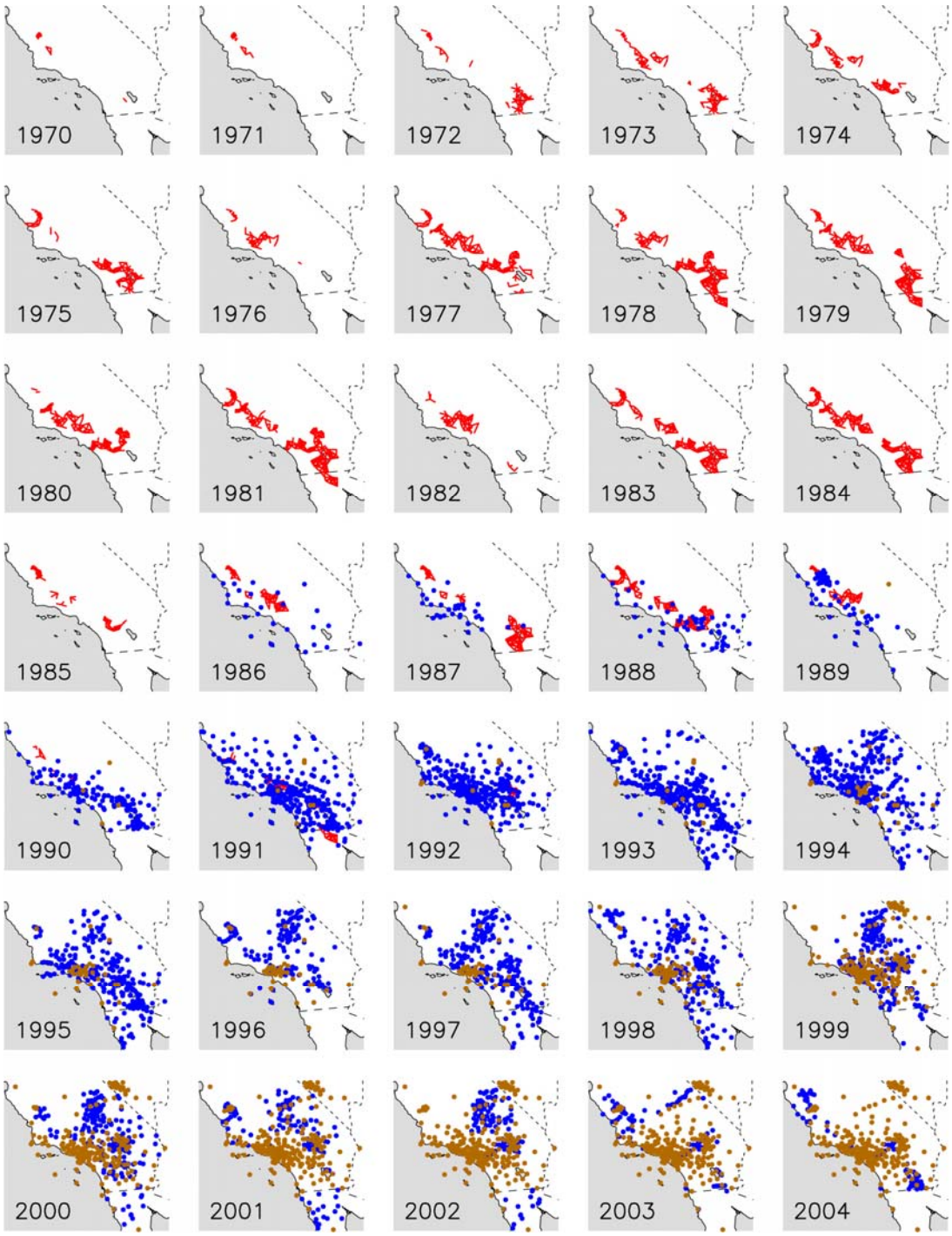

Figure 2. Locations of trilateration lines (red), survey-mode GPS (blue) and continuous GPS (brown) with data in each year from 1970 through 2004. Only lines and points used in the CMM4 solution are shown.

Trilateration data were first used to measure crustal motion by the California Department of Water Resources (CDWR), as an adjunct to the State Water Project

(Hoffmann 1968); this program was continued by the California Division of Mines and Geology (CDMG). These measurements used a Geodimeter with refraction corrections made using endpoint and sometimes midpoint measurements (Savage 1975; King *et al.*, 1987). Trilateration measurements were greatly expanded and improved by the US Geological Survey (USGS), who used a Geodolite with refraction corrections made from measurements made by flying along the line of observation, giving an accuracy of about 10^{-7} (Savage and Prescott, 1973). The USGS measurements began in 1970; the last data were collected after the Landers earthquake in 1992. Johnson *et al.* (1994) analyzed the southern California data to get the regional pattern of strain. Comparisons of trilateration data with GPS measurements, after correcting the trilateration data for a scale difference (Savage *et al.*, 1996) generally show steady motion over the entire data span (Savage and Lisowski, 1995; Anderson *et al.*, 2003).

Dong (1993) used the USGS measurements to estimate rates of change (and offsets as needed) for many trilateration lines, and used these rate data to estimate horizontal station velocities by imposing loose constraints on the rotation and translation of the network. Section 3.5 describes how we combined this solution with the GPS and VLBI data.

2.2 VLBI Data

High-quality measurements with VLBI began in 1979, with installations of the dual-frequency Mark III system as part of the NASA Crustal Dynamics Program. Southern California was one of the regional focus areas for this program, and so relatively dense measurements were made. In the area shown in Figure 1, high-quality VLBI data were collected from three fixed radiotelescopes at the NASA Deep-Space Complex in the Mojave Desert, and one (nominally portable) at Vandenburg. A pair of mobile systems (Davidson and Trask, 1985) observed roughly annually at ten sites (Gordon *et al.*, 1993). Data observed at some sites span more than 10 years, and the velocities have uncertainties of 1-2 mm/yr. While the VLBI stations were few, they capture the deformation field before the 1992 Landers earthquake.

2.3 Survey-Mode GPS Data

Because testing of the GPS satellite constellation took place at the Yuma Proving Grounds, close to southern California, this region had relatively good coverage even during the early period of the system. The first precise measurements for crustal deformation were made in 1986, by the USGS, by the National Geodetic Survey (NGS) and Jet Propulsion Laboratory (JPL), and by a joint program of scientists from four universities (Feigl *et al.* 1993), which made repeat measurements of about 30 sites between then and 1992. Soon after, NGS and university scientists (Bennett *et al.*, 1996) made similar measurements in the Salton Trough and Riverside County. In 1991 the NGS and the California Department of Transportation made a statewide survey (the HPGN), which was partly repeated in later years. The USGS Crustal Strain project collected GPS data over southern California, most notably making regular postseismic measurements around the three large earthquakes. These and other measurements are described by Larson and Webb (1992), Hudnut *et al.* (1994), Shen *et al.* (1994), Hudnut *et al.* (1996), Bawden *et al.* (1997), Parks and Dial (1997), Savage and Svarc (1997), Savage *et al.* (1998), Donnellan and Lyzenga (1998), Dixon *et al.* (2000), Gan *et al.* (2000), Miller *et al.* (2001), McClusky *et al.*, (2001), Agnew *et al.* (2002), Owen *et al.* (2002),

Gonzalez-Garcia *et al.* (2003), Savage *et al.* (2004), Plattner *et al.* (2006), and Schmalzle *et al.* (2006). There have also been many measurements made, both by academic groups and by local government agencies, that have not been formally described in the literature, but which were of sufficiently high quality (5 or more hours of occupation with dual-frequency receivers) to be of potential value, even if not collected explicitly to measure crustal motion. (We did utilize some single-frequency data for stations displaced by the Landers earthquake.)

The first part of our effort was to assemble these data, and archive them with all metadata correct, notably the receiver and antenna type, antenna height, and station identification. Given the very heterogeneous nature of the data collection, this was a substantial (if nominally straightforward) task. In practice the information needed was available only on logsheets filled out when the data were collected. We therefore developed software to catalog these logsheets, to match logsheets with particular data files, to efficiently enter the relevant data into the RINEX header, and to match RINEX files with monument locations (using point positioning), since the names given to the files were often not a useful guide. A by-product of this effort was an index to all monuments observed, with consistent (and unique) identifiers. Altogether this archiving effort involved some 24,000 files (and 16,000 logsheets) collected at more than 1800 monuments. The final RINEX files, and indices to the data, are available through the SCEC Data Center (pfostrain.ucsd.edu/scecgps/gps_page.html).

2.4 Continuous GPS Data

The first continuously-operating GPS receiver in California was at Mojave, operated as part of the National Geodetic Survey tracking network from 1986 through 1992. Additional stations were added at NASA sites in 1989; as new generations of receivers became available it became feasible to install more stations specifically for monitoring crustal motion. The lead in this was taken by the Permanent GPS Geodetic Array (PGGA) under the leadership of Yehuda Bock, which installed 9 more sites by the start of 1994 (Bock et al., 1997). In response to the Northridge earthquake, additional funding became available: this went first to a densified array in the Los Angeles area, and eventually to the SCIGN (Southern California Integrated GPS Network) array, which upon its completion in 2001 had resulted in a total of more than 250 continuous sites in southern California. We used data from all of these, along with data from neighboring arrays of continuous GPS sites: the BARD network in northern California, the BARGEN network in Nevada, and the PANGA network in Oregon. Most importantly, we have used data from 21 continuous sites in the stable part of the North America plate; these define our realization of a reference frame fixed to the North America plate (Blewitt *et al.*, 2005).

3. Data Processing and Analysis

3.1 Initial Analysis of GPS Data

The first step in our GPS processing was to use the GAMIT software (http://www-gpsg.mit.edu; King and Bock, 1997) to estimate daily station positions simultaneously with orbital and atmospheric parameters using dual-frequency GPS phase observations. Our processing used all survey-mode data and a selection of 6-8 continuous sites with long operational histories. We processed the data in 24-hour spans, whose

boundaries were usually at zero hours UTC, though if the survey-mode data were in short spans across this boundary the start time would be moved to avoid splitting the data. GPS phase data below 10 degrees elevation angle were discarded; low-elevation data were downweighted. The carrier beat phase is converted to double-differences between satellite and station pairs (Dong and Bock, 1989); the software uses these to solve for site positions, satellite orbits, Earth orientation parameters (EOP), and tropospheric delays. An initial solution uses realistic *a priori* constraints on orbital and station parameters to resolve integer phase ambiguities (Dong and Bock, 1989; Feigl *et al.*, 1993). The initial satellite orbits were adopted from the IGS precise orbits after 1993 and solved by ourselves 1986-1993, although some early orbits (1991-1992) derived by Nikolaidis (2002) were used initially. A final solution, with constraints relaxed and ambiguities resolved, produces the daily estimates of station and orbital parameters free of reference-frame assumptions. The loosely-constrained estimates of these parameters, with their covariances, become "quasi-observations" for combination with those from other surveys. Prior to 1993, we included the regional and global data in the same GAMIT analysis. For most surveys after 1993, we processed the survey-mode data separately, later combined them with quasi-observations produced by the Scripps Orbit and Permanent Array Center (SOPAC) from global and regional continuous data (http:sopac.ucsd.edu/processing/gamit) using the GLOBK software (http://www-gpsg.mit.edu; Herring [1997]).

Perhaps surprisingly, the very earliest data, in 1986, were not much more difficult to analyze than more recent data: in particular, cycle slips could be removed using automatic editing. The weaknesses of these early data are the sparse constellation of satellites and network of stations used to determine their orbits. With the advent of Selective Availability (SA) in 1990, processing became more challenging, especially because of a difference of 0.92 s in the sampling times of different types of receivers (Feigl *et al.*, 1991), higher ionospheric activity, and the limitations of codeless receivers used for many global tracking stations as well as in California surveys. To address these problems, we processed separately the global and regional data from each group of receivers that shared a common time tag, and combined the solutions through one or two common stations. These difficulties with data from the 1990-91 period are especially unfortunate given the relatively large volume of data collected then, as well as their importance in getting station velocities prior to the Landers earthquake.

A separate receiver timing issue was a time-tag offset of about 30 ms between the L1 and L2 phase data for the early Ashtech L-series receivers. We discuss the effects of this, and our corrections for it, in Appendix A.

3.2 Data Combination

The first step of data combination was to use GLOBK to combine the quasi-observations from our daily solution with SOPAC quasi-observations for the SCIGN, BARD, BARGEN, and PANGA networks along with North American sites from the global IGS network. To save subsequent computation time and to generate more meaningful long-term statistics, we aggregated these combined daily solutions into multiday combinations. The time span implied by "multiday" varied from one day (immediately after large earthquakes) to forty days, to provide appropriate temporal resolution. During aggregation we included *a priori* secular site velocities (found from previous modeling) to minimize biases from averaging over time. The final multiday

combinations were again loosely constrained positions and EOP with their covariances.

3.3 Station Displacement Modeling

We modeled station displacements out of the multiday combinations using two software packages, QOCA (http://gipsy.jpl.nasa.gov/qoca; Dong *et al.*, 1998) (at UCLA) and GLOBK (at MIT). The final CMM4 is based on the QOCA analysis, but we discuss below how we used the two solutions to increase reliability and understand the errors better.

To parameterize station displacements, we assumed them to be described by an initial position, a velocity, coseismic steps, and postseismic displacements. The postseismic displacements are with the functional form

$$P(t) = D \log_{10}(1 + t/T) \qquad (1)$$

where D is a displacement, t the time since the earthquake, and T the logarithmic time constant. D varies for each station (and earthquake); we assume T to be the same for all stations for each earthquake.

Table 1 lists the earthquakes for which we have estimated coseismic displacements. We allow coseismic offsets only for stations for which these are predicted to be more than 3 mm on the basis of the slip models given in Table 1, and also use these predicted offsets as *a priori* constraints, with uncertainties given by $((0.6\ A_i)^2 + (0.3\ A_j)^2 + (0.3\ A_k)^2)^{1/2}$ for the i-th component, with A_i, A_j, and A_k being the predicted components; these constraints are loose enough to have little effect if the data constrain the offset, but stabilize the solution if they do not.

We include postseismic displacements only for sites whose predicted coseismic displacements exceed 30 mm for survey-mode sites and 20 mm for continuous sites. The amplitude D is constrained *a priori* to be 10% of the predicted coseismic offset, with an uncertainty of $((0.1\ A_i)^2 + (0.05\ A_j)^2 + (0.05\ A_k)^2)^{1/2}$. The time constant T has not been estimated explicitly, but trial and error shows that a value of 10 days fits most postseismic displacements adequately.

We have also allowed for offsets at a limited number of sites to account for effects such as antenna changes at tracking sites PIN1 and PIN2. Table A1 lists the sites, epochs, and their offset estimates.

To reference the solution to the stable North America plate, we constrain the station velocities of 21 fiducial sites to the values given by the SNARF 1.0 release (Blewitt *et al.*, 2005), with uncertainties of 2 mm/yr for the horizontal velocities, and 5 mm/yr for the vertical.

In estimating velocities, we have made ties between stations within a few hundred meters, since there should be no tectonic deformation between them. Finally, we removed velocities with horizontal uncertainties greater than 3 mm/yr, coseismic jumps with uncertainties greater than 0.1 m, and postseismic displacements with uncertainties greater than 5 mm. (See Section 4 for a discussion of error estimates). We also removed some velocity outliers that are clearly at odds with neighboring sites and are likely of non-tectonic origin. More details about outlier removals are discussed in section 4.3. The final solution includes 1003 GPS site velocities in the studied area; accounting for 73 local ties the number of independent GPS velocities is 929 (Figure 3, Table 2). The coseismic and postseismic parameters estimated for different earthquakes are listed in Tables 1 and 3 and shown in Figures 4 and 5 respectively.

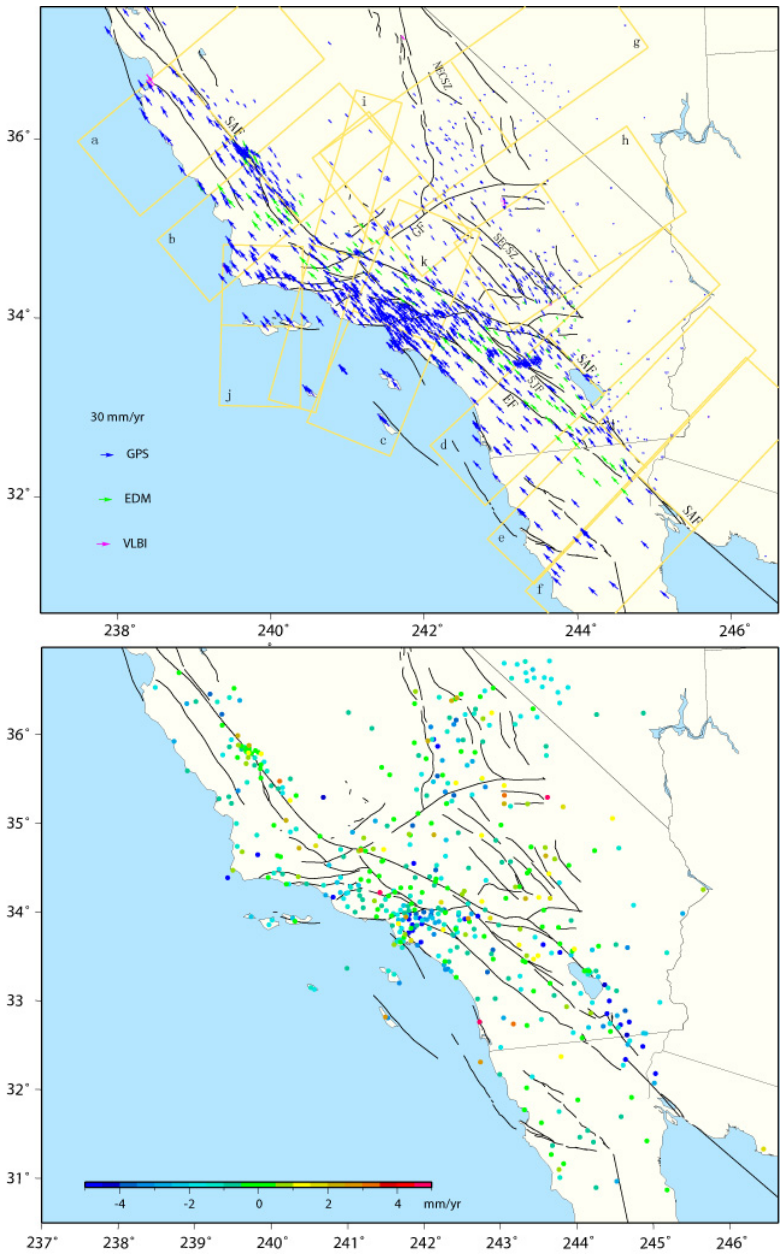

Figure 3. Horizontal velocities (top panel) and vertical velocities (bottom panel) from the CMM4 solution. Orange boxes denote the regions from which velocity data are selected to be displayed in profiles.

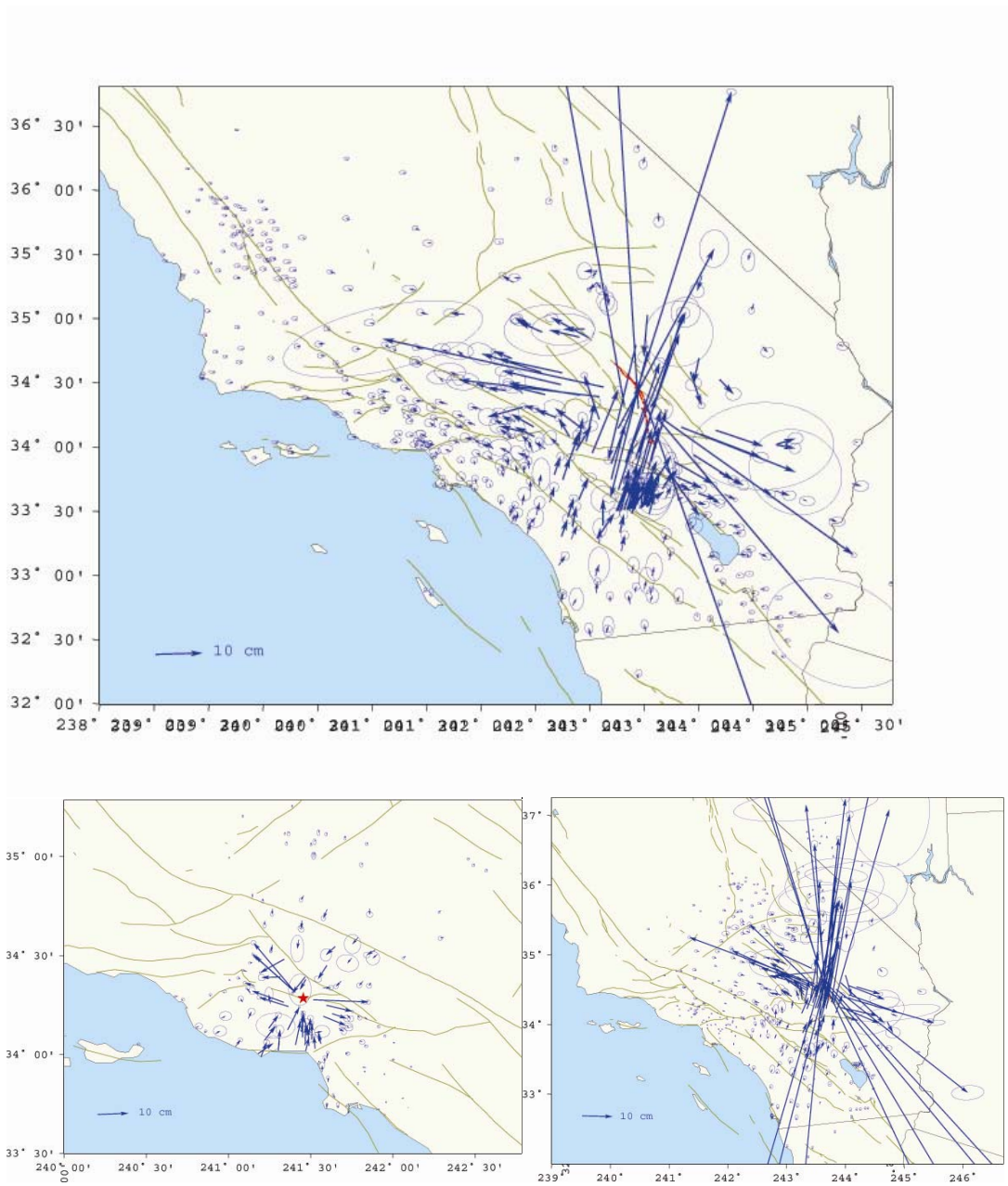

Figure 4. Coseismic displacements for (a) the 1992 Joshua Tree, (b) the 1992 Landers, (c) the 1994 Northridge, and (d) 1999 Hector Mine earthquakes. Red traces and stars are surface break traces and epicenters respectively. Error ellipses represent 95% confidence.

We also produced the station position time series for all the GPS sites, and release that as an electronic supplement. Since no network of permanent sites covers the whole time period, we improved the conditioning of the solutions using "network" constraints. For each aggregated solution file, we predicted site positions at that epoch from the model velocities, and aligned the aggregated solution to the model frame in a least-squares sense, with the site positions tied to their model predicted values at uncertainties of 20 mm in the horizontal and 50 mm in the vertical. This approach has the advantage that the result does not rely on a small number of sites; rather, all the stations provide constraints, though these

are loose enough that the solution is not perturbed significantly if there is a large error at one site. We believe that this approach is quite robust and powerful compared to solutions relying on a few fiducial sites. Figure 6 shows some examples of the time series, highlighting particularly on the Landers and Hector Mine postseismic effects.

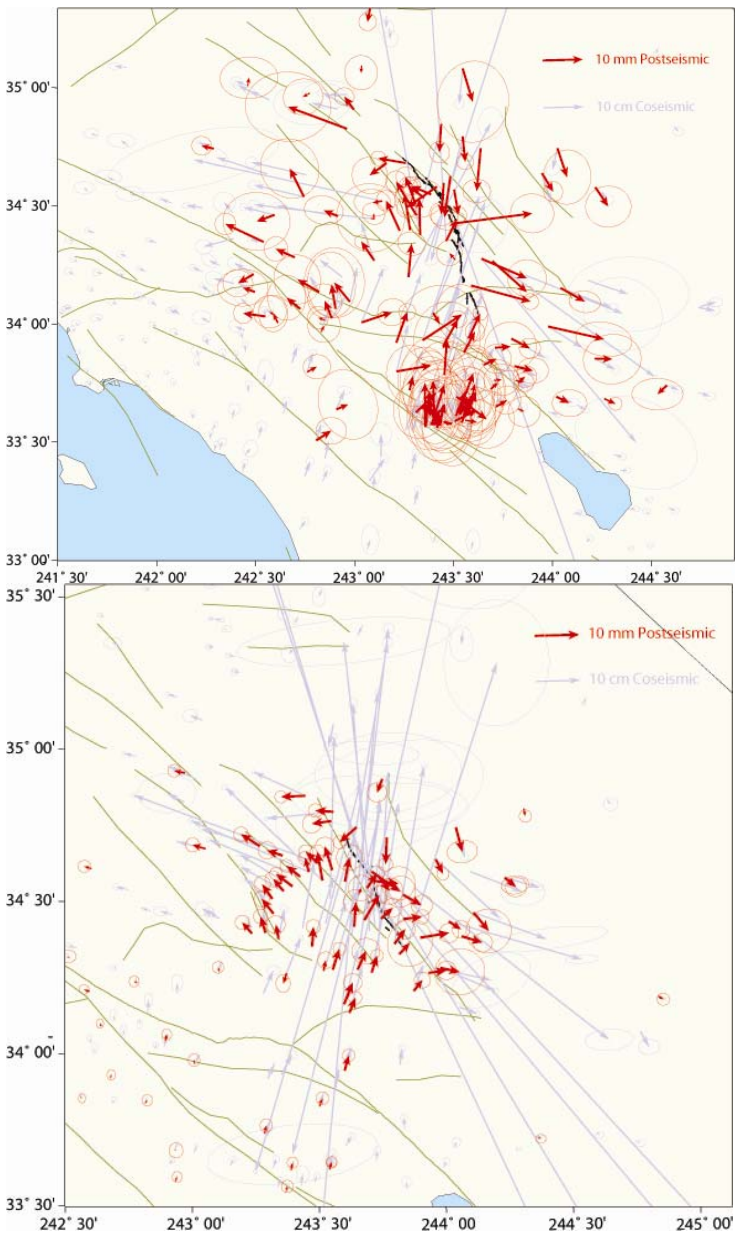

Figure 5. Postseismic displacements following (a) the 1992 Landers and (b) the 1999 Hector Mine earthquakes. Red vectors are amplitudes of the logarithmic relaxation functions. Light purple vectors are the coseismic displacements, shown here for comparison. Error ellipses are 95% confidence.

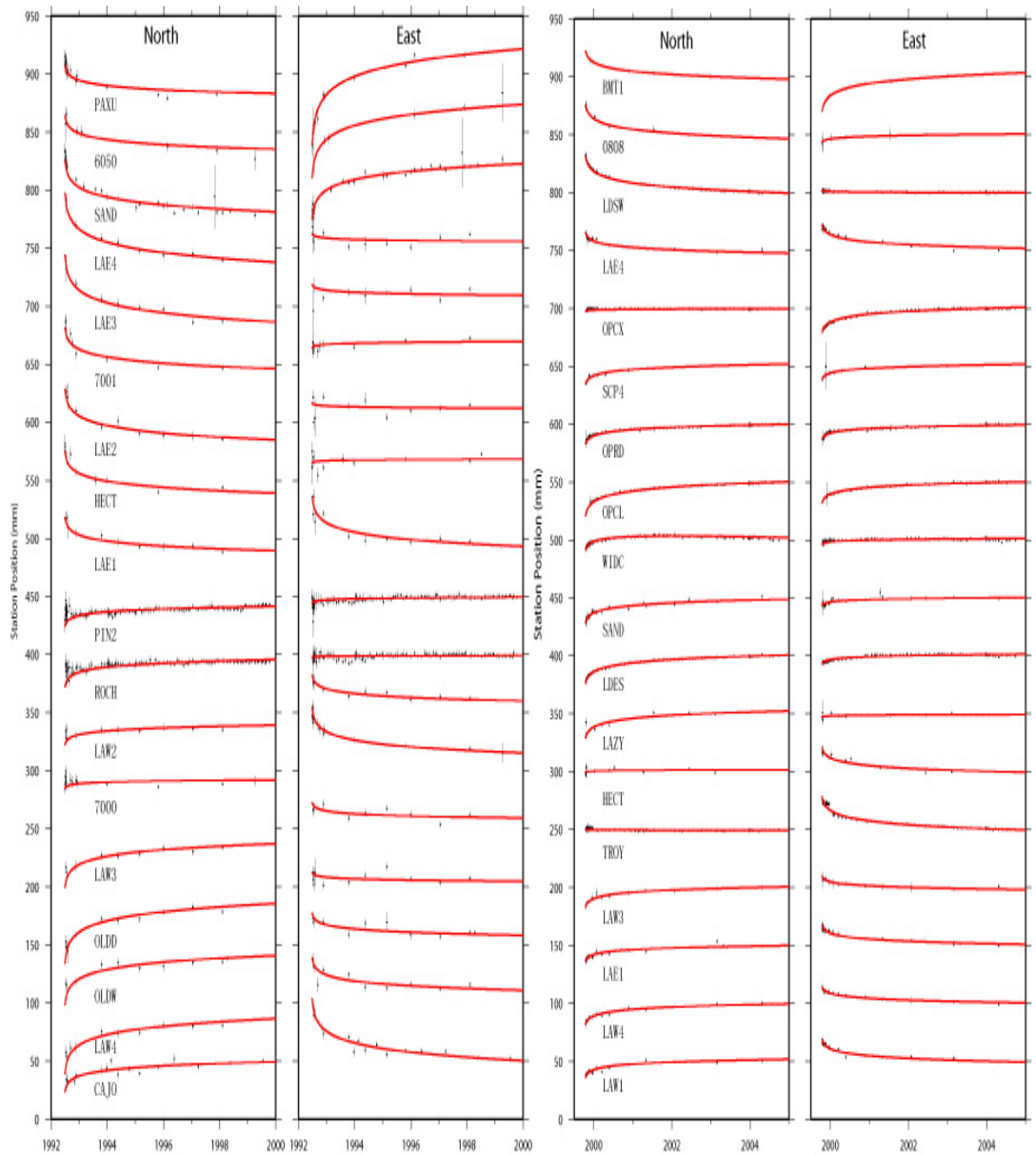

Figure 6. Examples of station horizontal position postseismic time series for the 1992 Landers and 1999 Hector Mine earthquakes. Station names are denoted under their north component panels. Red curves are the (logarithmic) model predicted displacements offered by equation (1).

3.4 GPS, EDM, and VLBI Velocity Solution Integration

Next, we combined the GPS velocity estimates with the results from the other data types discussed in Section 2. Many trilateration stations have been occupied by GPS, providing ties between the trilateration and GPS solutions. We combined the trilateration solution (Section 2.1) with GPS-based velocities using 70 tie stations, giving station velocities at 190 trilateration points, after again removing outliers and sites with velocity uncertainties greater than 3 mm/yr. We did not find any detectable systematic differences

between the GPS and trilateration velocity fields, though it is not clear if this is because the large number of ties forces the trilateration velocities to match the GPS velocity field, or because the secular velocity field has not been affected by the large earthquakes. Perhaps the truth relies between the two explanations, exactly where we do not know.

We analyzed the VLBI data (Ma *et al.*, 1993) using the CALC/SOLVK software (Herring *et al.*, 1990) to find vector baselines between pairs of stations from the VLBI group delay; these were aggregated into a solution for station velocities with covariances. We then combined the VLBI velocity solution with GPS and trilateration by tying the horizontal velocities of six GPS-VLBI co-located stations at North America; this adds 16 VLBI site velocities in southern California.

4. Error Analysis

One of the most challenging aspects of the whole analysis has been to produce realistic errors for the parameters. Getting these right is very important, since we can decide (for example) that significant motion takes place between two points only on the basis of the velocities and their errors. Nominal errors can be found by starting with the residual rms of the fit to the original GPS double-differenced carrier-beat-phase, and propagating these errors forward into the final parameter fits. However, this procedure almost invariably underestimates the true uncertainty, since this formal procedure neglects other sources of variability, and also usually assumes the errors to be uncorrelated over time.

We assess errors in the following ways: first, we examine possible systematic errors; next, we discuss the error models that have been applied to propagate different sources of noise into the final parameter estimates; and finally, we examine the solution, and describe how we edited data and eliminated outliers by evaluating the coherency of the deformation fields and the data posteriori time series.

4.1 Systematic Errors

We define systematic errors here as biases in position or velocity estimates that are common to one of the measurement techniques or, for a given technique, common to a particular region or period of time. Scale bias between EDM and GPS, mentioned earlier, is a clear example, but one that can be accounted for by estimating a scale parameter in the combination. A more difficult scale problem arises in GPS because of the evolution of the satellite constellation. Between 1986 and 1989, the constellation was dominated by Block I satellites, which were gradually replaced by Block II and IIA (1989-1997) and then Block IIR. Each of these four vehicle types had a different antenna, and it has become clear that for none of these do the pre-launch specifications adequately model the phase pattern. Changes in the constellation thus resulted in changes in apparent distance to the satellites (and hence scale) over the span of our measurements [*REF*]. This mismodeling may be largely corrected by reprocessing of both the global and southern California data sets in the future, but in our analysis, there are likely time-dependent scale errors that could bias vertical rates by 1-2 mm/yr. In section 5.2 we offer a preliminary estimate of the regional vertical rate correction for southern California.

For horizontal velocities, the most important systematic error is a bias or distortion of a network of sites used for a single survey, leading to spatially coherent changes in velocities that can mimic crustal deformation. These errors can arise from errors in orbital

modeling or unmodeled tropospheric propagation delays that affect fiducial stations used to define the reference frame for a survey; they are far more likely to have occurred for the earliest measurements when the satellite constellation and the fiducial network were much more sparse. The most reliable way to avoid these errors is to have long and well populated time series and to look for inconsistencies between velocities of nearby sites estimated from data from different time periods. In our current analysis, we have included stations measured only three times over at least two years, but rely on stations with many more measurements to check these poorly observed stations.

4.2 Error Models

To properly account for the uncertainties of the aggregated input data files, we scale their variance/covariance matrices so that the weighted post-fit residual variance is about equal to the number of degrees of freedom in each dataset. Thus the total weighted residual variance of the combined datasets is also about equal to the number of degrees of freedom, and the parameter uncertainties reported are close to one standard deviation.

Because the errors of GPS data are temporally correlated (Johnson and Agnew, 1995; Zhang *et al.*, 1997; Mao *et al.*, 1999), we introduce a random-walk type perturbation in data modeling. That is, the variances of the aggregated station position data files are incremented along with time at a rate of (10^{-6}, 10^{-6}, 10^{-5}) m^2/yr for the east, north, and up components respectively, which is equivalent to (1, 1, 3) mm uncertainty increase for a year.

4.3 Data Editing and Removal of Outliers

As mentioned earlier, bad data points were detected during the processing steps, which were screened, edited, and/or removed consecutively in an objective way. The first line of screening was performed on the station posteriori residual time series. We visually inspected the time series, and removed "outliers" which deviated more than three standard deviations from their model predicted values. These outliers were often resulted from corrupted antenna setups, large satellite orbital errors, or large errors in modeling of troposphere time delay. For continuous sites we also added offset parameters for estimation which showed significant offsets at non-seismic epochs and were also recorded in SOPAC's processing logs (http://sopac.ucsd.edu/). Periodic transient displacements were spotted for some sites, most of which are located in geothermal areas; we enlarged their perturbation uncertainties of the corresponding components by a factor of 10 to 100, depending on the scale and frequency of the transient signals.

Another step of outlier checking was done during result inspection. We inspected the coherency of the horizontal velocity, coseismic, and postseismic deformation fields, and removed data points which are clearly incompatible with their neighbors (except in regions spanning significantly creeping faults such as the San Andreas in central California and the Imperial fault). These outliers again could be resulted from antenna setup, orbital, and other problems such as geothermal activities, and were not detected during data time series inspection because of too few data points to provide a reliable judgment. Table A2 documents all of the removed sites.

It is more difficult to assess errors in the vertical velocities as the distribution of errors is distorted by centimeter-level errors in modeling of the phase centers of many antennas

used for survey-mode measurements, and unidentified discontinuities in the continuous time series due to changes in instrumentation. Because of these problems the vertical velocity field looks somewhat heterogeneous (Figure 3). It is therefore suggested that its tectonic inferences be made only from motions that are spatially coherent across a broad area. A second problem for verticals is that the reference frame (SNARF) itself is uncertain due to changes in the GPS scale and unmodeled effects of glacial isostatic adjustment (GIA) across North America. We can make a crude estimate of the reference frame bias, by computing the mean vertical velocities of a selected group of (537) sites whose vertical velocity uncertainties are less than 3 mm/yr. Since crustal deformation for southern California is dominated by horizontal motion, the mean vertical velocity should be close to zero. Our estimate is -1.09 mm/yr, suggesting that the reference frame is biased by a shrinking rate of ~1.1 mm/yr. We use this estimate to correct the vertical displacement rates of all the sites.

5. Discussion and Conclusions

The main purpose of the paper is to present the results of CMM4, not to offer in depth analysis, modeling, and interpretations. Nevertheless some kinematic results can be extracted directly from the solution, for which we give brief assessments here.

Figure 7 presents velocity profiles across some major fault segments in southern California. Assuming a 1-D deformation field across the faults we can infer fault slip rates from the far field offsets. Results are found across the following fault segments:

Creeping segment of the San Andreas in central California: ~33 mm/yr dextral motion and ~2 mm/yr shortening. The deformation zone is very narrow, nevertheless a gradual change of about ~4 mm/yr is found in the east side of the fault zone.

Carrizo Plain segment of the San Andreas: ~33 mm/yr dextral motion and ~2 mm/yr shortening. Shear motion is smooth and gradual across the fault, suggesting the fault is completely locked. The shortening occurs east of the San Andreas, across the Coalinga anticline.

Mojave segment of the San Andreas: ~28 mm/yr dextral motion and ~12 mm/yr shortening across a deformation zone of 250 km wide. About 25 mm/yr of the shear motion is distributed broadly on shore, and ~3 mm/yr is placed offshore, possibly along the San Clemente fault.

Coachella Valley segment of the San Andreas: ~40 mm/yr dextral motion and virtually no normal motion. The shear motion is broadly distributed across the San Andreas and San Jacinto fault, and a clear-cut differentiation of contributions from the two faults is not easy. Imperial fault: ~41 mm/yr dextral motion across the profile and virtually no normal motion. Most of the shear motion, ~35 mm/yr, is concentrated around the Imperial fault, and the rest (~6 mm/yr) is distributed west of the Imperial fault both on shore and offshore.

Southern San Andreas in Baja California, Mexico: ~44 mm/yr dextral motion across the profile and virtually no normal motion. Based on a few stations in the Mexicali valley, the San Andreas may be creeping at ~20 mm/yr, with the rest shear motion distributed around the fault and on both sides beyond, including ~4 mm/yr across the San Miguel-Vallecitos and Agua Blanca faults and ~3 mm/yr offshore.

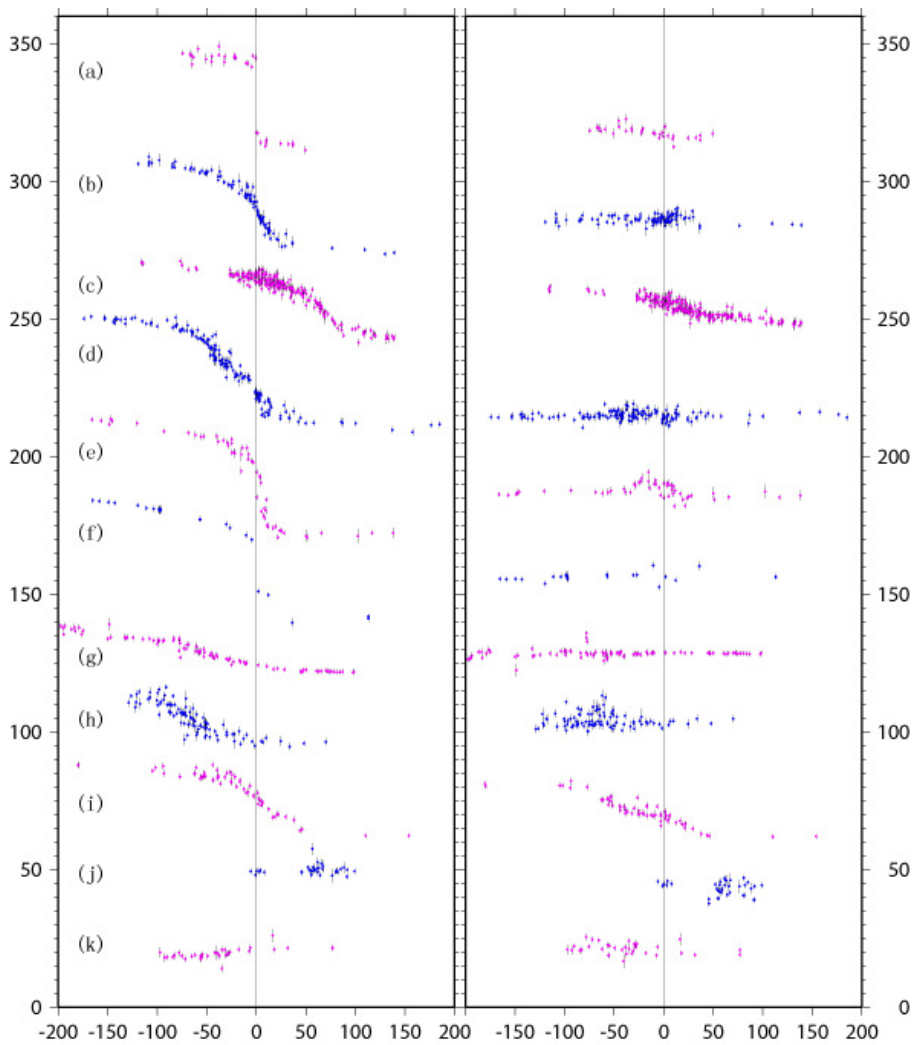

Figure 7. Velocity profiles across major fault segments. The panels from (a) to (f) are for the San Andreas segments: Creeping, Carrizo Plain, Mojave, Coachella, Imperial Valley, and Southernmost in Baja California, Mexico. (g) and (h) are for the Northern and Southern East California Shear Zone (ECSZ). (i) is for the Gorman segment of the San Andreas and the Northridge epicentral area. (j) is for the Santa Barbara Channel. (k) is for the central Garlock fault. The regions of data selection are delineated in boxes in Figure 3.

Northern East California Shear Zone (NECSZ): ~15 mm/yr dextral motion across the profile and no normal motion. About 12 mm/yr is broadly distributed across the NECSZ, and ~3 mm/yr is to the west in the Great Basin with no known fault to be associated with.

Southern East California Shear Zone (SECSZ): ~20 mm/yr right slip across the profile and no normal motion. The data are quite scattered, possibly due to complex fault geometry, unmodeled postseismic deformation, and residual elastic deformation associated with slip across the San Andreas fault.

Gorman segment of the San Andreas: ~25 mm/yr dextral motion and ~20 mm/yr shortening across the profile. The shortening is partitioned into two parts, ~10 mm/yr across the Tehachapi area and ~10 mm/yr across the Ventura basin respectively.

Santa Barbara Channel Islands: no significant shear and normal motion. The normal components in the Santa Maria basin area is quite scattered, and might have a couple of mm/yr shortening across.

Central Garlock fault: ~3 mm/yr sinistral motion and ~2 mm/yr shortening. The normal component is scattered and the shortening rate is less certain.

The postseismic displacements after the 1992 Landers and 1999 Hector Mine quakes show patterns mimicking the coseismic displacement fields, but at a much smaller scale (Figures 4 and 5). A selection of significant postseismic deformation time series and their fit to the logarithmic models are shown in Figure 6, attesting good fit for most of the data.

Most of the regions in southern California have vertical motion of less than 1 mm/yr after applying a correction rate of -1.09 mm/yr to the entire field. The few exceptions are in the Los Angeles, Ventura, and San Gabriel basins, the Death Valley region, and the area surrounding the Imperial fault, where there are vertical rates of 1-4 mm/yr down. The San Bernardino Mountains and perhaps the northeast Mojave Desert are rising up at rates of 2-4 mm/yr.

Acknowledgments

This work has been supported by the Southern California Earthquake Center, through grants from the National Science Foundation EAR0106924 and the US Geological Survey 02HQAG0008. Southern California Earthquake Center publication #....

References

Agnew, D. C., S. Owen, Z.-K. Shen, G. Anderson, J. Svarc, H. Johnson, K. E. Austin, and R. Reilinger (2002). Coseismic displacements from the Hector Mine, California, earthquake: results from survey-mode GPS measurements, *Bull. Seismol. Soc. Amer.*, **92**, 1355-1364.

Anderson, G., D. C. Agnew, and H. O. Johnson (2003). Salton Trough regional deformation estimated from combined trilateration and survey-mode GPS data, *Bull. Seismol. Soc. Amer.*, **93**, 2402-2414.

Argus, D. F., M. B. Heflin, A. Donnellan, F. H. Webb, D. Dong, K. J. Hurst, D. C. Jefferson, G. A. Lyzenga, M. M. Watkins, and J. F. Zumberge (1999). Shortening and thickening of metropolitan Los Angeles measured and inferred by using geodesy, *Geology*, **27**, 703-706.

Bawden, G. W., A. Donnellan, L. H. Kellogg, D. N. Dong, and J. Rundle (1997). Geodetic measurements of horizontal strain near the White Wolf fault, Kern County, California, 1926-1993, *J. Geophys. Res.*, **102**, 4957-4967.

Beavan, J., P. Tregoning, M. Bevis, T. Kato, and C. Meertens (2002). Motion and rigidity of the Pacific Plate and implications for plate boundary deformation, *J. Geophys. Res.*, **107**, ETG-19:1-15, doi:10.1029/2001JB000282

Becker, T. W., J. L. Hardebeck, and G. Anderson (2005). Constraints on fault slip rates of the southern California plate boundary from GPS velocity and stress inversions, *Geophys. J. Internat.*, **160**, 634-650, doi:10.1111/j.1365-246X.2004.02528.x

Bennett, R. A. (1995). *Global Positioning System measurements of crustal deformation across the Pacific-North American plate boundary in southern California and northern Baja, Mexico*, Ph. D. thesis, Mass. Inst. of Technol..

Bennett, R. A., R. E. Reilinger, W. Rodi, Y. Li, M. N. Toksoz, and K. Hudnut (1995). Coseismic fault slip associated with the 1992 Mw 6.1 Joshua Tree, California, earthquake: Implications for the Joshua Tree-Landers earthquake sequence, *J. Geophys. Res.*, **100**, 6443-6461.

Bennett, R. A., W. Rodi, and R. E. Reilinger (1996). Global Positional System constraints on fault slip rates in southern California and northern Baja California, Mexico, *J. Geophys. Res.*, **101**, 21943-21960.

Blewitt, G., D. Argus, R. Bennett, Y. Bock, E. Calais, M. Craymer, J. Davis, T. Dixon, J. Freymueller, T. Herring, D. Johnson, K. Larson, M. Miller, G. Sella, R. Snay, and M. Tamisiea (2005). *A Stable North American Reference Frame (SNARF): First Release*, UNAVCO Working Group Report, UNAVCO,

Inc: www.unavco.org/research_science/workinggroups_projects/snarf/snarf.html.
Bock, Y., S. Wdowinski, P. Fang, S. Williams, H. Johnson, J. Behr, J. Genrich, J. Dean, M. vanDomeselaar, D. C. Agnew, F. Wyatt, K. Stark, B. Oral, K. Hudnut, R. King, T. Herring, W. Young, D. Jackson, and W. Gurtner (1997). Southern California Permanent GPS Geodetic Array: Continuous measurements of crustal deformation between the 1992 Landers and 1994 Northridge earthquakes, *J. Geophys. Res.*, **102**, 18013-18033.
Davidson, J. M., and D. W. Trask (1985). Utilization of mobile VLBI for geodetic measurements, *IEEE Trans. Geosci. Remote Sensing*, **23**, 426-437.
Dong, D. (1993). *The horizontal velocity field in southern California from a combination of terrestrial and space-geodetic data*, Ph.D Thesis, Mass. Inst. of Technol..
Dong, D., and Y. Bock (1989). Global Positioning System network analysis with phase ambiguity resolution applied to crustal deformation studies in California, *J. Geophys. Res.*, **94**, 3949-3965.
Dong, D., T. A. Herring, and R. W. King (1998). Estimating regional deformation from a combination of space and terrestrial geodetic data., *J. Geod.*, **72**, 200-214.
Donnellan, A., B. H. Hager, R. W. King, and T. A. Herring (1993). Geodetic measurement of deformation in the Ventura basin region, southern California, *J. Geophys. Res.*, **98**, 21727-21739.
Donnellan, A., and G. A. Lyzenga (1998). GPS observations of fault afterslip and upper crustal deformation following the Northridge earthquake, *J. Geophys. Res.*, **103**, 21285-21298.
Donnellan, A., and F. H. Webb (1998). Geodetic observations of the M5.1 January 29, 1994 Northridge aftershock, *Geophys. Res. Lett.*, **25**, 667-670.
Feigl, K. L., R. W. King, T. A. Herring, and M. Rothacher (1991). A scheme for reducing the effect of Selective Availability on precise geodetic measurements from the Global Positioning System, *Geophys. Res. Lett.*, **18**, 1289-1292.
Feigl, K. L., D. C. Agnew, Y. Bock, D. Dong, A. Donnellan, B. H. Hager, T. A. Herring, D. D. Jackson, T. H. Jordan, R. W. King, S. Larsen, K. M. Larson, M. H. Murray, Z. Shen, and F. H. Webb (1993). Space geodetic measurement of crustal deformation in central and southern California, 1984-1992, *J. Geophys. Res.*, **98**, 21677-21712.
Gonzalez-Garcia, J. J., L. Prawirodirdjo, Y. Bock, and D. Agnew (2003). Guadalupe Island, Mexico as a new constraint for Pacific plate motion, *Geophys. Res. Lett.*, **30**, 1872, doi:10.1029/2003GL017732
Gordon, D., C. Ma, and J. W. Ryan (1993). Results from the CDP Mobile VLBI program in the western United States, pp. 131-138 in *Contributions of Space Geodesy to Geodynamics: Crustal Dynamics*, D. E. Smith and D. L. Turcotte, eds. (Washington, DC: Amer. Geophys. Union)
Herring, T. A., J. L. Davis, and I. I. Shaprio (1990). Geodesy by radio interferometry: The application of Kalman filtering to the analysis of very long baseline interferometry data, *J. Geophys. Res.*, **95**, 12561-12581.
Herring, T. A., D. Dong, and R. W. King (1991). Sub-milliarcsecond determination of pole position using Global Positioning System data, *Geophys. Res. Lett.*, **18**, 1893-1896.
Herring, T. A. (2002). *GLOBK: Global Kalman Filter VLBI and GPS analysis program, version 10.0* (Cambridge: Mass. Inst. of Technol.)
Hofmann, R. B. (1968). Geodimeter fault measurements in California, *Calif. Dept. of Water Resour. Bull.*, **116-6**, 1893-1896.
Hudnut, K. W., Y. Bock, M. Cline, P. Fang, Y. Feng, J. Freymueller, X. Ge, W. K. Gross, D. D. Jackson, M. Kim, N. E. King, J. O. Langbein, S. C. Larsen, M. Lisowski, Z.-K. Shen, J. L. Svarc, and J. Zhang (1994). Coseismic displacements of the 1992 Landers earthquake sequence, *Bull. Seismol. Soc. Amer.*, **84**, 625-645.
Hudnut, K. W., Z. Shen, M. Murray, S. McClusky, R. W. King, T. Herring, B. Hager, Y. Feng, P. Fang, A. Donnellan, and Y. Bock (1996). Coseismic displacements of the 1994 Northridge, California, earthquake, *Bull. Seismol. Soc. Amer.*, **86**, S19-S36.
Jackson, D. D., K. Aki, C. A. Cornell, J. H. Dieterich, T. L. Henyey, M. Mahdyiar, D. Schwartz, and S. N. Ward (1995). Seismic hazards in southern California: Probable earthquakes 1994-2024, *Bull. Seis. Soc. Amer.*, **85**, 379-439.
Jackson, D. D., Z.-K. Shen, D. Potter, X. Ge, and L-Y. Sung (1997). Earthquakes and strain in southern California, *Science*, **277**, 1621-1622.
Johnson, H., and D. Agnew (1995). Monument motion and measurements of crustal velocities, *Geophys. Res.*

Lett., **22**, 2905-2908.
Johnson, H., F. Wyatt, and D. C. Agnew (1994). Present-day crustal deformation in southern California, *J. Geophys. Res.*, **99**, 23951-23974.
King, N. E., and J. C. Savage (1983). Strain-rate profile across the Elsinore, San Jacinto, and San Andreas faults near Palm Springs, California, 1973-81, *Geophys. Res. Lett.*, **10**, 55-57.
King, N. E., and J. C. Savage (1984). Regional deformation near Palmdale, California, 1973-1983, *J. Geophys. Res.*, **89**, 2471-2477.
King, N. E., P. Segall, and W. Prescott (1987). Geodetic measurements near Parkfield, California, 1959-1984, *J. Geophys. Res.*, **92**, 2747-2766.
King, R. W., and Y. Bock (2006). *Documentation for the GAMIT GPS analysis software, release 10.1* (Cambridge: Mass. Inst. of Technol.)
Larsen, S., and R. Reilinger (1992). Global Positioning System Measurements of strain accumulation across the Imperial Valley, California: 1986-1989, *J. Geophys. Res.*, **97**, 8865-8876.
Larson, K. M., and D. C. Agnew (1991). Application of the Global Positioning System to crustal deformation measurement, 1. Precision and accuracy, *J. Geophys. Res.*, **96**, 16547-16565.
Larson, K. M., and F. H. Webb (1992). Deformation in the Santa Barbara Channel from GPS measurements 1987-1991, *Geophys. Res. Lett.*, **19**, 1491-1494.
Lisowski, M., J. C. Savage, and W. H. Prescott (1991). The velocity field along the San Andreas fault in central and southern California, *J. Geophys. Res.*, **96**, 8369-8389.
Ma, C., J. W. Ryan, and D. S. Caprette (1994). *NASA space geodesy program-GSFC data analysis 1993, VLBI geodetic results 1979-92*, NASA Technical Memorandum, NASA Goddard Space Flight Center.
Mao, A. L., C. G. A. Harrison, and T. H. Dixon (1999). Noise in GPS coordinate time series, *J. Geophys. Res.*, **104**, 2797-2816.
McCaffrey, R. (2005). Block kinematics of the Pacific/North America plate boundary in the southwestern United States from inversion of GPS, seismological, and geologic data, *J. Geophys. Res.*, **110**, B07401, doi:10.1029/2004JB003307
McClusky, S. C., S. C. Bjornstad, B. H. Hager, R. W. King, B. J. Meade, M. M. Miller, F. C. Monastero, and B. J. Souter (2001). Present day kinematics of the Eastern California Shear Zone from a geodetically constrained block model, *Geophys. Res. Lett.*, **28**, 3339-3372.
Meade, B. J., and B. H. Hager (2005). Block models of crustal motion in southern California constrained by GPS measurements, *J. Geophys. Res.*, **110**, B03403, doi:10.1029/2004JB003209
Meade, B., and B. H. Hager (2005). Spatial localization of moment deficits in southern California, *J. Geophys. Res.*, **110**, B04402, doi:10.1029/2004JB003331
Miller, M. M., D. P. Johnson, T. H. Dixon, and R. K. Dokka (2001). Refined kinematics of the Eastern California Shear Zone from GPS observations, 1993-1998, *J. Geophys. Res.*, **106**, 2245-2263.
Minster, J. B., and T. H. Jordan (1987). Vector constraints on western U. S. deformation from space geodesy, neotectonics, and plate motions, *J. Geophys. Res.*, **92**, 4798-4804.
Nikolaidis, R. (2002). Observation of geodetic and seismic deformation with the Global Positioning System, Ph.D. Thesis, UC San Diego.
Owen, S., G. Anderson, D. C. Agnew, H. Johnson, K. Hurst, R. Reilinger, Z.-K. Shen, J. Svarc, and T. Baker (2002). Early postseismic displacements from the M_W .1 Hector Mine earthquake as measured by survey-mode GPS, *Bull. Seismol. Soc. Amer.*, **92**, 1423-1432.
Parks, W., and T. Dial (1997). Using GPS to measure leveling section height difference in a ground subsidence area in Imperial Valley, California, *Survey. Land Inform. Systems*, **57**, 100-119.
Parsons, T. (2006). Tectonic stressing in California modeled from GPS observations, *J. Geophys. Res.*, **111**, B03407, doi:10.1029/2005JB003946
Plattner, C., R. Malservisi, T. H. Dixon, P. Lafemina, J. Fletcher, and F. Suarez-Vidal (2006). Implications of Baja California microplate kinematics, *EOS Trans. AGU*, **87**, Fall Mtg. Suppl., Abstract G53B-0886.
Rolandone, F., D. Dreger, M. Murray, and R. Burgmann (2006). Coseismic slip distribution of the 2003 M_W 6.6 San Simeon earthquake, California, determined from GPS measurements and seismic waveform data, *Geophys. Res. Lett.*, **33**, L16315, doi:10.1029/2006GL027079
Saucier, F., and E. Humphreys (1993). Horizontal crustal deformation in southern California from joint models of geologic and very long baseline interferometry measurements, pp. 138-176 in *Contributions of Space Geodesy to Geodynamics: Crustal Dynamics*, D. E. Smith and D. L. Turcotte, eds.

(Washington, DC: Amer. Geophys. Union)
Savage, J. C. (1975). A possible bias in the California state Geodimeter data, *J. Geophys. Res.*, **80**, 4078-4088 .
Savage, J. C., and W. H. Prescott (1973). Precision of Geodolite distance measurements for determining fault movement, *J. Geophys. Res.*, **78**, 6001-6008.
Savage, J. C., W. H. Prescott, and G. Gu (1986). Strain accumulation in southern California, 1973-1984, *J. Geophys. Res.*, **91**, 7455-7473.
Savage, J. C., and M. Lisowski (1995). Interseismic deformation along the San Andreas fault in southern California, *J. Geophys. Res.*, **100**, 12703-12717.
Savage, J. C., M. Lisowski, and W. H. Prescott (1996). Observed discrepancy between Geodolite and GPS distance measurements, *J. Geophys. Res.*, **101**, 25547-25552.
Savage, J. C., and J. L. Svarc (1997). Postseismic deformation associated with the 1992 $roman M sub roman W$ 7.3 Landers earthquake, Southern California, *J. Geophys. Res.*, **102**, 7565-7577.
Savage, J. C., J. L. Svarc, W. H. Prescott, and K. W. Hudnut (1998). Deformation following the 1994 Northridge earthquake (M=6.7), southern California, *Geophys. Res. Lett.*, **25**, 2725-2728.
Savage, J. C., J. L. Svarc, and W. H. Prescott (2003). Near-field postseismic deformation associated with the 1992 Landers and 1999 Hector Mine, California, earthquakes, *J. Geophys. Res.*, **108**, 2432, doi:10.1029/2002JB002330
Savage, J. C., J. L. Svarc, and W. H. Prescott (2004). Interseismic strain and rotation rates in the northeast Mojave domain, eastern California, *J. Geophys. Res.*, **109**, B02406, doi:10.1029/2003JB002705
Schmalzle, G., T. H. Dixon, R. Malservisi, and R. Govers (2006). Strain accumulation across the Carrizo segment of the San Andreas Fault, California: Impact of laterally varying crustal properties, *J. Geophys. Res.*, **111**, B05403, doi:10.1029/2005JB003843
Shen, Z.-K., and D. D. Jackson (1993). GPS reoccupation of early triangulation sites: tectonic deformation of the Southern Coast Ranges, *J. Geophys. Res.*, **98**, 9931-9946.
Shen, Z.-K., D. Jackson, Y. Feng, M. Cline, M. Kim, P. Fang, and Y. Bock (1994). Postseismic deformation following Landers earthquake, California, June 28, 1992, *Bull. Seismol. Soc. Amer.*, **94**, 780-791.
Shen, Z-K., D. D. Jackson, and X. B. Ge (1996). Crustal deformation across and beyond the Los Angeles basin from geodetic measurements, *J. Geophys. Res.*, **101**, 27957-27980.
Shen, Z.-K., D. D. Jackson, and Y. Y. Kagan (2007). Implications of geodetic strain rate for future earthquakes, with a five-year forecast of M5 earthquakes in southern California, *Seismol. Res. Lett.*, **78**, 117-120.
Shen-Tu, B. M., W. E. Holt, and A. J. Haines (1999). Deformation kinematics in the western United States determined from Quaternary fault slip rates and recent geodetic data, *J. Geophys. Res.*, **104**, 28927-28955.
Walls, C., T. Rockwell, K. Mueller, Y. Bock, S. Williams, J. Pfanner, J. Dolan, and P. Fang (1998). Escape tectonics in the Los Angeles metropolitan region and implications for seismic risk, *Nature*, **394**, 356-360.
Ward, S. N. (1994). A multidisciplinary approach to seismic hazard in southern California, *Bull. Seismol. Soc. Amer.*, **84**, 1293-1309.
Ward, S. N. (2007). Methods for evaluating earthquake potential and likelihood in and around California, *Seismol. Res. Lett.*, **78**, 121-133.
Wdowinski, S., Y. Sudman, and Y. Bock (2001). Geodetic detection of active faults in Southern California, *Geophys. Res. Lett.*, **28**, 2321-2324.
Wdowinski, S., B. Smith-Konter, Y. Bock, and D. Sandwell (2007). Diffuse interseismic deformation across the Pacific-North America plate boundary, *Geology*, **35**, 311-314.
Zhang, J., Y. Bock, H. Johnson, P. Fang, J. Genrich, S. Williams, S. Wdowinski, and J. Behr (1997). Southern California Permanent GPS Geodetic Array: Error analysis of daily position estimates and site velocities, *J. Geophys. Res.*, **102**, 18035-18055.

Table 1. Coseismic displacements.

Station	Long	Lat	De	dDe	Dn	dVn	Du	dDu	Cen
	degree	degree	M	M	M	M	M	M	

1992 Joshua Tree

ANZA_cJT	243.338	33.556	0.003	0.002	0.003	0.002	0.000	0.002	0.026
BLAC_cJT	244.280	33.664	0.000	0.002	-0.003	0.001	-0.001	0.001	-0.009
COCH_cJT	243.842	33.740	0.008	0.003	-0.004	0.003	0.001	0.004	0.005
EDOM_cJT	243.569	33.870	0.015	0.004	0.021	0.003	-0.011	0.009	-0.005
G109_cJT	243.366	33.557	0.003	0.002	0.004	0.003	0.000	0.002	0.000
G120_cJT	243.397	33.565	0.003	0.003	0.005	0.003	0.000	0.002	0.019
GAPP_cJT	243.829	33.749	0.008	0.006	-0.013	0.003	0.001	0.004	0.004
GARN_cJT	243.462	33.898	0.009	0.003	0.007	0.002	-0.003	0.004	-0.031
GREN_cJT	243.553	33.574	0.003	0.002	0.005	0.003	0.000	0.002	0.000
INA5_cJT	243.485	34.004	-0.015	0.009	0.010	0.007	0.004	0.006	0.000
INDO_cJT	243.223	33.795	0.003	0.002	0.003	0.002	0.000	0.001	-0.026
M586_cJT	243.311	33.555	0.002	0.002	0.004	0.002	0.001	0.002	0.012
PF1__cJT	243.570	33.584	0.003	0.002	0.004	0.003	0.000	0.002	0.001
PF6__cJT	243.516	33.581	0.003	0.002	0.002	0.002	0.000	0.002	-0.026
PIN1_cJT	243.542	33.612	0.001	0.001	0.005	0.001	0.000	0.002	-0.040
PIN2_cJT	243.542	33.612	0.001	0.001	0.004	0.001	-0.001	0.002	-0.039
PINY_cJT	243.541	33.609	0.005	0.002	0.002	0.002	0.000	0.002	-0.073
RCUT_cJT	243.404	33.567	0.003	0.002	0.005	0.003	0.000	0.002	-0.007
RMRD_cJT	243.669	33.817	0.005	0.004	0.011	0.003	-0.006	0.006	-0.051
ROCH_cJT	243.390	33.611	0.004	0.001	0.002	0.001	-0.001	0.002	-0.040
RSRT_cJT	243.608	33.688	0.002	0.003	0.004	0.003	-0.001	0.003	-0.043
SAND_cJT	243.721	34.255	-0.005	0.002	-0.007	0.002	-0.001	0.002	-0.041
THOU_cJT	243.728	33.889	0.012	0.005	-0.021	0.005	0.012	0.010	-0.011
TOM2_cJT	243.358	33.925	0.000	0.001	0.004	0.002	0.000	0.001	0.005
TOME_cJT	243.320	33.619	0.005	0.002	0.005	0.003	0.000	0.002	-0.017
VIEW_cJT	243.812	33.926	0.020	0.005	-0.023	0.004	0.008	0.009	0.016
WD91_cJT	243.288	33.714	0.004	0.002	0.003	0.003	0.000	0.002	-0.035
WIDE_cJT	243.594	33.931	0.017	0.003	0.024	0.002	-0.017	0.007	0.017

1992 Landers

0003_cLA	242.544	33.750	0.005	0.008	0.024	0.015	0.006	0.008	0.000
0027_cLA	241.854	34.754	-0.018	0.014	0.014	0.007	-0.010	0.009	-0.139
0094_cLA	241.239	34.146	-0.004	0.003	0.004	0.003	-0.003	0.004	-0.022
0102_cLA	240.736	34.565	-0.004	0.003	0.004	0.003	-0.002	0.003	-0.035
0301_cLA	242.435	33.375	0.007	0.003	0.024	0.003	0.004	0.006	-0.013
0302_cLA	242.751	33.355	0.014	0.004	0.037	0.004	0.000	0.010	-0.021
0303_cLA	242.841	33.332	0.013	0.004	0.029	0.004	0.013	0.011	-0.013
0501_cLA	240.394	34.420	-0.012	0.003	0.002	0.002	-0.002	0.002	0.008
0502_cLA	239.655	34.531	-0.008	0.002	0.002	0.002	-0.001	0.002	0.027
0504_cLA	240.162	35.003	-0.004	0.002	0.001	0.002	-0.002	0.002	-0.004
0505_cLA	239.416	35.084	-0.004	0.002	0.001	0.001	-0.002	0.002	0.024
0506_cLA	239.689	35.442	-0.004	0.003	0.001	0.002	-0.002	0.002	0.000
0507_cLA	238.971	35.512	-0.003	0.002	0.001	0.001	-0.001	0.001	0.000
0508_cLA	239.201	35.855	-0.003	0.002	0.001	0.001	-0.001	0.001	0.007
0510_cLA	239.184	36.188	-0.003	0.002	0.001	0.001	-0.001	0.001	0.000
0607_cLA	239.646	36.501	-0.003	0.002	0.001	0.001	-0.001	0.001	0.000
0609_cLA	240.712	36.289	-0.002	0.002	0.002	0.001	-0.001	0.002	0.011
0611_cLA	241.273	36.185	-0.006	0.003	0.002	0.002	-0.001	0.002	0.010
0612_cLA	239.902	35.949	-0.004	0.003	0.001	0.002	-0.002	0.002	0.000
0613_cLA	240.741	35.819	-0.008	0.003	0.003	0.002	-0.002	0.002	0.025
0614_cLA	241.412	35.745	-0.009	0.003	0.004	0.002	-0.002	0.003	0.010
0615_cLA	240.310	35.667	-0.005	0.003	0.002	0.002	-0.002	0.002	0.000
0616_cLA	240.773	35.267	-0.009	0.004	0.005	0.003	-0.003	0.003	0.037
0617_cLA	241.375	35.274	-0.013	0.006	0.003	0.003	-0.004	0.004	0.044
0618_cLA	241.132	34.825	-0.010	0.003	0.007	0.003	-0.002	0.004	-0.042
0701_cLA	241.597	33.997	-0.005	0.005	0.005	0.003	-0.003	0.004	0.024
0702_cLA	242.000	34.078	-0.015	0.003	0.011	0.003	0.002	0.005	0.008
0703_cLA	241.037	34.053	-0.005	0.003	0.002	0.002	-0.002	0.003	-0.027
0704_cLA	241.460	34.407	-0.017	0.002	0.002	0.002	-0.005	0.005	-0.041
0705_cLA	242.235	34.493	-0.040	0.004	0.006	0.003	-0.005	0.011	-0.008
0801_cLA	244.577	35.541	-0.005	0.006	-0.016	0.010	0.005	0.006	0.000

0802_cLA	244.111	35.371	-0.011	0.006	-0.032	0.006	0.010	0.012	-0.058
0803_cLA	243.585	35.072	-0.010	0.005	-0.089	0.005	0.019	0.021	0.046
0805_cLA	242.471	35.007	-0.030	0.006	0.013	0.004	-0.012	0.012	0.081
0806_cLA	242.386	35.366	-0.014	0.005	0.002	0.004	-0.005	0.005	0.057
0808_cLA	244.067	34.728	-0.013	0.007	-0.054	0.006	-0.001	0.015	0.153
0809_cLA	244.673	34.806	0.010	0.006	-0.012	0.005	-0.002	0.005	-0.024
0814_cLA	244.782	34.044	0.040	0.007	0.010	0.005	-0.011	0.011	0.013
0817_cLA	242.758	34.537	-0.125	0.007	0.031	0.004	-0.020	0.020	0.028
0818_cLA	242.896	34.022	0.033	0.005	0.053	0.005	0.013	0.013	-0.003
0819_cLA	242.453	33.884	-0.001	0.003	0.017	0.003	0.002	0.005	-0.026
0821_cLA	243.429	33.561	0.040	0.005	0.070	0.005	0.023	0.015	0.010
0911_cLA	242.720	36.402	-0.002	0.002	-0.006	0.003	0.001	0.002	0.002
0912_cLA	243.584	36.304	-0.004	0.003	-0.014	0.004	0.004	0.004	0.008
0914_cLA	242.671	35.978	-0.004	0.003	-0.003	0.003	0.001	0.002	0.003
0915_cLA	243.700	35.867	0.002	0.004	-0.019	0.005	0.006	0.007	-0.010
1101_cLA	243.017	32.568	-0.003	0.004	0.019	0.005	0.004	0.005	-0.054
1102_cLA	243.523	32.607	-0.002	0.003	0.015	0.004	0.004	0.004	-0.029
1103_cLA	244.117	32.675	0.002	0.002	0.006	0.003	0.001	0.002	0.012
1104_cLA	244.717	32.696	0.012	0.003	0.000	0.001	-0.001	0.002	0.006
1105_cLA	245.296	32.746	0.005	0.003	-0.002	0.002	-0.002	0.002	0.003
1106_cLA	243.198	32.844	0.000	0.003	0.011	0.003	0.002	0.006	-0.017
1107_cLA	242.723	33.130	0.015	0.003	0.020	0.004	0.007	0.008	-0.062
1108_cLA	243.307	33.234	0.009	0.004	0.035	0.004	0.005	0.010	-0.055
1109_cLA	243.753	33.160	0.003	0.003	0.019	0.003	0.004	0.006	0.021
1110_cLA	244.112	33.177	0.013	0.003	0.005	0.003	0.001	0.003	-0.002
1111_cLA	244.481	33.231	0.007	0.004	0.001	0.003	-0.002	0.004	0.003
1113_cLA	244.036	33.677	0.041	0.007	-0.016	0.004	-0.004	0.009	-0.013
1114_cLA	244.757	33.681	0.030	0.006	-0.011	0.004	-0.006	0.009	0.063
1115_cLA	245.476	33.719	0.019	0.006	-0.006	0.005	-0.005	0.005	0.034
1201_cLA	241.912	33.738	-0.004	0.003	0.008	0.003	0.000	0.003	0.051
1202_cLA	242.320	33.469	0.007	0.004	0.020	0.004	0.003	0.006	0.056
6024_cLA	242.392	34.470	-0.022	0.012	0.027	0.011	-0.019	0.018	-0.035
6050_cLA	243.666	34.266	0.381	0.062	-0.469	0.048	0.022	0.116	-0.300
6052_cLA	243.160	34.516	-0.472	0.088	0.111	0.033	-0.071	0.129	0.503
6056_cLA	243.353	34.370	-0.130	0.013	0.782	0.018	-0.043	0.062	0.219
6072_cLA	244.209	34.165	0.101	0.062	-0.037	0.038	-0.021	0.035	0.000
6106_cLA	242.604	34.038	-0.023	0.008	0.015	0.009	0.000	0.008	0.225
7085_cLA	243.114	35.424	-0.028	0.006	-0.003	0.007	-0.013	0.008	0.004
7115_cLA	243.208	35.248	0.002	0.008	-0.027	0.008	0.004	0.013	-0.004
7288_cLA	243.108	35.331	-0.016	0.002	-0.013	0.002	0.004	0.006	-0.020
7HLI_cLA	239.700	34.960	-0.004	0.002	0.002	0.002	-0.002	0.002	-0.004
ACUT_cLA	244.391	33.030	0.004	0.003	-0.001	0.002	-0.001	0.002	0.003
AGUA_cLA	243.140	33.435	0.000	0.011	0.056	0.012	0.004	0.017	-0.031
ALMO_cLA	239.547	35.552	-0.003	0.002	0.001	0.001	-0.002	0.002	-0.011
ALPN_cLA	241.891	34.544	-0.014	0.014	0.005	0.008	-0.008	0.009	-0.045
ALSA_cLA	244.389	33.196	0.019	0.004	-0.001	0.003	-0.001	0.003	0.015
ALVA_cLA	239.383	34.593	-0.003	0.002	0.001	0.001	-0.001	0.002	0.000
AMBO_cLA	244.258	34.559	0.029	0.007	-0.032	0.005	-0.008	0.016	0.047
AN22_cLA	242.325	34.248	-0.027	0.008	0.013	0.007	-0.012	0.011	-0.503
ANGA_cLA	242.395	34.172	-0.050	0.009	0.013	0.007	-0.006	0.011	-0.113
ANZA_cLA	243.338	33.556	0.020	0.003	0.060	0.003	-0.005	0.009	0.023
ANZC_cLA	243.369	33.558	0.020	0.005	0.069	0.005	0.021	0.017	0.018
ASA1_cLA	244.754	32.629	0.003	0.002	0.000	0.001	-0.001	0.002	-0.010
ASBS_cLA	243.538	33.620	0.018	0.003	0.054	0.003	0.006	0.012	-0.094
ASSO_cLA	240.056	35.731	-0.005	0.003	0.002	0.002	-0.002	0.002	0.000
B121_cLA	239.664	35.689	-0.004	0.003	0.001	0.002	-0.002	0.002	0.000
B129_cLA	242.985	34.969	-0.046	0.028	0.000	0.014	-0.008	0.015	0.000
B587_cLA	243.484	33.571	0.054	0.012	0.034	0.006	0.004	0.018	-0.048
BALD_cLA	242.606	34.462	-0.078	0.004	0.020	0.004	-0.024	0.017	-0.019
BARR_cLA	239.427	35.456	-0.004	0.002	0.001	0.001	-0.001	0.002	0.002
BEAR_cLA	243.116	34.264	-0.032	0.003	0.095	0.002	-0.014	0.011	0.013
BELA_cLA	242.520	33.523	0.007	0.005	0.027	0.005	0.006	0.008	-0.007

BENH_cLA	239.649	35.746	-0.005	0.002	0.001	0.001	-0.001	0.002	-0.015
BERD_cLA	243.825	33.810	0.056	0.004	-0.027	0.003	-0.001	0.010	0.019
BLAC_cLA	244.280	33.664	0.021	0.002	-0.012	0.002	-0.008	0.005	-0.037
BLHL_cLA	239.168	35.359	-0.002	0.002	0.000	0.001	-0.002	0.001	-0.002
BLUF_cLA	241.481	32.927	0.001	0.002	0.003	0.002	0.001	0.002	-0.012
BNDY_cLA	243.562	33.599	0.017	0.003	0.043	0.003	0.017	0.012	-0.075
BOB1_cLA	239.941	35.418	-0.005	0.003	0.002	0.002	-0.002	0.002	0.000
BONN_cLA	239.736	35.878	-0.003	0.002	0.002	0.001	-0.001	0.002	-0.015
BORD_cLA	244.494	32.665	0.001	0.002	0.002	0.002	0.000	0.001	0.015
BOTR_cLA	243.467	33.776	0.033	0.005	0.113	0.005	0.018	0.016	0.033
BOUC_cLA	243.081	33.335	0.038	0.004	0.054	0.004	0.012	0.013	-0.095
BOUL_cLA	241.532	32.896	0.002	0.002	0.006	0.004	0.002	0.002	0.000
BOYS_cLA	242.270	34.010	-0.021	0.010	0.011	0.007	-0.003	0.006	0.026
BREA_cLA	242.109	33.955	-0.011	0.004	0.008	0.004	-0.003	0.004	-0.004
BREK_cLA	239.538	35.888	-0.002	0.002	0.001	0.001	-0.001	0.001	-0.006
BREN_cLA	241.523	34.045	-0.011	0.004	0.003	0.003	-0.003	0.004	-0.017
BRI2_cLA	242.861	34.014	0.018	0.004	0.046	0.004	0.011	0.012	0.037
BRYN_cLA	242.734	34.063	-0.018	0.006	0.017	0.006	0.002	0.010	0.141
BUCK_cLA	239.463	35.925	-0.003	0.002	0.001	0.001	-0.001	0.001	0.001
BURR_cLA	240.229	34.509	-0.002	0.002	0.001	0.002	-0.002	0.002	-0.021
BUTJ_cLA	241.447	34.818	-0.014	0.003	0.003	0.003	-0.007	0.006	-0.013
BUTT_cLA	241.693	34.798	-0.015	0.008	0.005	0.005	-0.007	0.007	0.036
C616_cLA	239.999	35.575	-0.006	0.003	0.002	0.002	-0.002	0.002	-0.006
C617_cLA	239.695	35.710	-0.004	0.003	0.001	0.002	-0.001	0.002	0.000
C824_cLA	240.226	35.334	-0.006	0.004	0.002	0.002	-0.002	0.002	0.000
CABA_cLA	243.224	33.916	0.064	0.002	0.170	0.002	0.002	0.009	0.005
CAHA_cLA	241.674	34.137	-0.007	0.003	0.008	0.003	-0.005	0.005	-0.014
CAHU_cLA	243.726	33.639	0.013	0.004	0.026	0.004	0.006	0.010	0.014
CAJO_cLA	242.549	34.347	-0.034	0.003	0.007	0.003	-0.001	0.010	-0.018
CALA_cLA	241.354	34.140	-0.006	0.003	0.002	0.002	-0.002	0.004	-0.013
CALI_cLA	244.491	33.169	-0.005	0.004	0.009	0.003	-0.001	0.003	-0.005
CAMP_cLA	242.234	34.222	-0.024	0.003	0.011	0.003	-0.010	0.008	-0.010
CARG_cLA	239.569	35.888	-0.002	0.002	0.002	0.001	-0.001	0.001	-0.013
CARR_cLA	239.569	35.888	-0.004	0.002	0.001	0.001	-0.001	0.001	0.005
CARY_cLA	243.265	33.545	0.026	0.004	0.065	0.004	0.012	0.016	0.024
CASO_cLA	241.214	34.086	-0.001	0.004	0.005	0.003	-0.003	0.003	0.008
CATO_cLA	241.214	34.086	-0.007	0.003	0.002	0.002	-0.002	0.003	-0.036
CAUV_cLA	240.149	35.358	-0.005	0.003	0.002	0.002	-0.002	0.002	0.012
CBAR_cLA	239.735	35.756	-0.006	0.002	0.001	0.001	-0.001	0.002	-0.006
CEN2_cLA	240.247	33.995	-0.007	0.003	0.001	0.002	-0.001	0.002	-0.002
CENT_cLA	240.247	33.995	-0.008	0.002	0.001	0.001	-0.002	0.002	-0.010
CG25_cLA	244.779	32.384	0.003	0.002	0.002	0.001	0.000	0.001	0.000
CHAF_cLA	240.669	34.301	-0.003	0.004	0.000	0.002	-0.002	0.003	0.024
CHEC_cLA	239.416	35.970	-0.002	0.002	0.001	0.001	-0.001	0.001	-0.010
CHER_cLA	243.048	34.003	0.057	0.003	0.136	0.003	-0.003	0.014	0.034
CHIC_cLA	241.950	33.710	-0.002	0.003	0.008	0.004	0.000	0.003	0.010
CHIQ_cLA	242.385	33.601	0.005	0.006	0.023	0.006	0.005	0.006	0.036
CHRN_cLA	241.330	34.279	-0.005	0.004	0.006	0.003	-0.003	0.004	-0.062
CHTW_cLA	241.359	34.257	-0.007	0.003	-0.001	0.003	-0.006	0.004	0.002
COAC_cLA	244.593	33.196	0.016	0.004	-0.008	0.003	-0.002	0.004	0.004
COCH_cLA	243.842	33.740	0.030	0.003	-0.012	0.003	0.002	0.007	-0.011
COLL_cLA	244.498	32.827	0.008	0.003	0.003	0.002	0.000	0.002	0.005
COTR_cLA	240.846	34.120	-0.014	0.004	0.002	0.003	-0.002	0.003	0.002
COTT_cLA	239.778	35.788	-0.001	0.002	0.001	0.001	-0.001	0.002	-0.012
COXO_cLA	244.773	34.040	0.041	0.005	-0.009	0.005	-0.009	0.011	0.064
CPVO_cLA	244.693	32.418	0.003	0.002	0.001	0.001	0.000	0.001	-0.001
CRAF_cLA	242.915	34.061	0.010	0.004	0.061	0.005	0.010	0.015	-0.067
CRAV_cLA	243.299	33.543	0.021	0.005	0.062	0.004	0.015	0.017	-0.029
CUTT_cLA	242.395	34.362	-0.076	0.008	-0.020	0.007	-0.018	0.015	-0.073
D138_cLA	243.502	33.571	0.018	0.005	0.049	0.005	0.007	0.017	0.048
D559_cLA	240.086	35.342	-0.005	0.003	0.002	0.002	-0.002	0.002	0.000
DANA_cLA	242.291	33.464	0.006	0.003	0.017	0.003	0.005	0.005	-0.016

DANE_cLA	242.934	34.907	-0.064	0.040	0.016	0.022	-0.013	0.022	0.000
DASH_cLA	242.914	33.636	0.021	0.007	0.048	0.004	0.012	0.015	0.050
DAWS_cLA	241.837	33.800	-0.006	0.004	0.006	0.004	-0.001	0.003	-0.003
DEER_cLA	241.492	35.086	-0.016	0.003	0.005	0.003	-0.005	0.005	-0.013
DESO_cLA	244.600	33.715	0.029	0.006	-0.013	0.004	-0.004	0.010	-0.079
DEVL_cLA	240.216	34.029	-0.005	0.003	0.001	0.002	-0.001	0.002	0.012
DIP0_cLA	242.569	34.635	-0.127	0.011	0.043	0.009	0.039	0.025	-0.279
DIVI_cLA	241.446	34.102	-0.011	0.003	0.000	0.003	-0.004	0.004	0.021
DSHO_cLA	243.957	33.397	0.008	0.007	0.008	0.007	0.002	0.005	-0.003
DUNP_cLA	243.719	33.750	0.028	0.004	0.031	0.004	0.020	0.011	0.043
E122_cLA	244.405	32.800	0.007	0.003	0.002	0.002	0.000	0.002	0.015
ECMO_cLA	243.194	35.299	-0.001	0.008	-0.030	0.009	0.013	0.011	-0.004
ECRK_cLA	241.945	34.225	-0.017	0.003	0.006	0.002	-0.003	0.006	-0.018
EDOM_cLA	243.569	33.870	0.025	0.003	0.091	0.003	0.023	0.013	-0.074
ENDA_cLA	243.332	31.872	0.005	0.002	0.006	0.002	0.003	0.003	-0.001
ENDD_cLA	245.519	34.044	0.006	0.004	-0.002	0.003	-0.007	0.005	0.027
EXTR_cLA	244.138	33.179	0.009	0.004	0.002	0.003	0.000	0.003	-0.066
F179_cLA	239.809	35.725	-0.004	0.003	0.001	0.002	-0.002	0.002	0.000
F621_cLA	239.771	35.426	-0.005	0.003	0.001	0.002	-0.002	0.002	0.000
F726_cLA	244.001	33.974	0.085	0.005	-0.056	0.004	-0.014	0.015	-0.077
FARF_cLA	239.505	34.767	-0.005	0.002	0.001	0.001	-0.001	0.002	-0.002
FATL_cLA	242.839	33.964	0.017	0.005	0.050	0.004	0.032	0.013	-0.017
FI18_cLA	244.727	32.588	0.006	0.002	0.001	0.001	-0.001	0.001	-0.004
FI27_cLA	244.814	32.513	0.004	0.002	0.000	0.001	-0.001	0.001	-0.001
FIBR_cLA	240.606	35.398	-0.011	0.002	0.004	0.002	-0.004	0.003	-0.021
FIFT_cLA	242.091	33.748	-0.003	0.003	0.005	0.004	0.001	0.003	-0.016
FIGP_cLA	240.035	34.723	-0.006	0.003	0.002	0.002	-0.001	0.002	0.000
FLOO_cLA	241.957	33.774	-0.002	0.003	0.010	0.003	0.000	0.003	-0.005
FORD_cLA	245.011	33.609	0.009	0.007	-0.004	0.004	-0.005	0.007	-0.099
FORK_cLA	242.116	36.062	-0.004	0.003	0.000	0.002	-0.001	0.002	-0.008
FRIN_cLA	244.353	33.360	0.018	0.004	-0.001	0.003	-0.003	0.004	0.014
FUNE_cLA	243.525	36.397	-0.003	0.003	-0.009	0.003	0.002	0.004	0.024
G109_cLA	243.366	33.557	0.020	0.004	0.067	0.004	0.023	0.016	-0.015
G114_cLA	243.387	33.550	0.008	0.004	0.063	0.004	-0.008	0.015	-0.034
G120_cLA	243.397	33.565	0.016	0.004	0.061	0.004	0.025	0.016	-0.038
G123_cLA	243.413	33.567	0.014	0.006	0.054	0.005	0.006	0.018	0.065
G124_cLA	243.417	33.565	0.013	0.005	0.057	0.005	-0.009	0.017	0.038
G125_cLA	243.421	33.564	0.007	0.006	0.054	0.005	-0.011	0.018	0.049
G128_cLA	243.442	33.562	0.006	0.006	0.033	0.005	0.010	0.018	0.023
G134_cLA	243.479	33.570	0.027	0.006	0.021	0.005	0.025	0.017	-0.044
G285_cLA	239.993	35.635	-0.005	0.003	0.002	0.002	-0.002	0.002	0.000
GAPP_cLA	243.829	33.749	0.024	0.008	-0.006	0.003	-0.001	0.009	-0.001
GARN_cLA	243.462	33.898	0.043	0.002	0.147	0.002	0.030	0.009	-0.043
GAVI_cLA	239.801	34.502	-0.008	0.002	-0.001	0.002	-0.002	0.002	-0.007
GLOC_cLA	244.753	32.840	0.002	0.003	0.002	0.002	-0.001	0.002	-0.001
GO42_cLA	239.650	35.831	-0.003	0.002	0.001	0.001	-0.001	0.002	-0.009
GODW_cLA	244.068	34.136	0.128	0.007	-0.053	0.004	-0.021	0.020	-0.002
GOLD_cLA	243.111	35.425	-0.009	0.001	-0.013	0.001	0.008	0.003	-0.041
GOUD_cLA	240.234	35.414	-0.008	0.003	0.003	0.002	-0.002	0.002	0.024
GREE_cLA	239.509	35.401	-0.004	0.002	0.001	0.002	-0.002	0.002	0.006
GREN_cLA	243.553	33.574	0.016	0.003	0.050	0.003	0.016	0.011	-0.075
GRSY_cLA	239.586	34.731	-0.002	0.002	0.001	0.001	-0.002	0.002	-0.006
H623_cLA	239.654	35.607	-0.004	0.003	0.001	0.002	-0.001	0.002	0.000
HAMA_cLA	244.499	33.037	-0.001	0.004	0.001	0.002	-0.001	0.003	-0.011
HANG_cLA	243.517	32.936	0.005	0.007	0.019	0.011	0.006	0.007	0.000
HAP2_cLA	241.123	34.328	-0.011	0.003	0.001	0.002	-0.002	0.004	-0.017
HAPY_cLA	241.150	34.358	-0.010	0.004	0.000	0.003	-0.003	0.004	-0.041
HAWE_cLA	242.582	34.948	-0.050	0.005	0.023	0.004	-0.028	0.012	-0.108
HECT_cLA	243.579	34.785	-0.084	0.007	-0.311	0.004	0.025	0.020	0.219
HIGH_cLA	242.831	34.134	-0.023	0.003	0.040	0.003	0.001	0.012	-0.031
HOLT_cLA	244.604	32.781	0.006	0.003	-0.001	0.002	-0.001	0.002	0.010
HOLY_cLA	241.825	33.930	-0.003	0.003	0.007	0.003	-0.001	0.004	-0.010

HOPP_cLA	241.134	34.478	-0.018	0.003	0.002	0.002	-0.005	0.004	-0.025
HOWY_cLA	243.282	33.550	0.024	0.004	0.064	0.004	0.012	0.014	0.041
HTR1_cLA	239.822	35.686	-0.006	0.002	0.001	0.001	-0.002	0.002	-0.012
IMP1_cLA	244.430	32.898	0.008	0.003	0.003	0.002	0.000	0.002	-0.004
INA4_cLA	243.455	33.963	0.098	0.029	0.265	0.029	0.058	0.071	0.015
INA5_cLA	243.485	34.004	0.099	0.006	0.297	0.005	0.020	0.023	-0.054
INA6_cLA	243.415	34.040	0.120	0.013	0.290	0.013	0.070	0.050	0.024
INDO_cLA	243.223	33.795	0.031	0.004	0.118	0.003	0.016	0.015	-0.042
INYO_cLA	242.188	35.647	-0.003	0.004	0.002	0.003	-0.003	0.003	0.015
ITER_cLA	242.770	34.630	-0.137	0.006	0.033	0.006	0.132	0.022	0.024
JD84_cLA	239.460	35.957	-0.006	0.002	0.001	0.001	-0.001	0.001	-0.007
JEFF_cLA	241.797	34.085	-0.013	0.004	0.005	0.003	-0.003	0.005	0.006
JIMG_cLA	242.503	34.977	-0.039	0.005	0.020	0.004	-0.017	0.012	-0.052
JOBU_cLA	242.308	35.337	-0.022	0.003	0.015	0.003	-0.009	0.006	0.032
JOES_cLA	243.410	33.646	0.013	0.004	0.074	0.004	0.022	0.016	0.015
JPLA_cLA	241.829	34.205	-0.008	0.004	0.007	0.003	-0.005	0.006	-0.023
JPLM_cLA	241.827	34.205	-0.013	0.001	0.003	0.001	-0.005	0.002	-0.037
JSPH_cLA	241.846	34.286	-0.016	0.004	0.006	0.003	-0.006	0.006	-0.049
JTRE_cLA	244.236	33.834	0.051	0.004	-0.029	0.004	-0.011	0.012	0.013
JUNC_cLA	244.938	32.709	0.004	0.003	-0.001	0.002	-0.001	0.002	0.012
JUR3_cLA	242.557	34.032	-0.003	0.003	0.018	0.003	-0.001	0.007	-0.053
K559_cLA	239.943	35.691	-0.004	0.003	0.002	0.002	-0.002	0.002	0.000
K587_cLA	243.584	33.610	0.016	0.019	0.057	0.029	0.012	0.019	0.074
KANE_cLA	244.176	33.061	0.008	0.004	0.008	0.003	0.001	0.003	-0.060
KELL_cLA	242.950	34.196	-0.056	0.009	0.044	0.007	0.026	0.022	-0.174
KITE_cLA	242.284	33.554	0.008	0.003	0.013	0.003	0.005	0.005	-0.010
KNGR_cLA	239.653	35.914	-0.001	0.002	0.001	0.001	-0.001	0.001	-0.010
L587_cLA	243.589	33.623	0.009	0.015	0.045	0.007	0.013	0.017	-0.234
L589_cLA	244.239	32.951	0.001	0.003	0.010	0.002	0.000	0.002	-0.002
L623_cLA	239.708	35.583	-0.004	0.003	0.001	0.002	-0.002	0.002	0.000
LACU_cLA	240.286	34.494	-0.003	0.003	0.001	0.002	-0.002	0.002	-0.060
LAKE_cLA	242.645	33.620	0.009	0.004	0.033	0.004	0.008	0.010	-0.054
LAMO_cLA	239.743	34.799	-0.004	0.003	0.001	0.002	-0.001	0.002	-0.003
LANW_cLA	241.945	33.917	-0.002	0.003	0.009	0.003	-0.002	0.004	-0.004
LASE_cLA	242.058	33.793	-0.004	0.002	0.002	0.002	-0.001	0.003	-0.039
LAST_cLA	242.691	33.837	0.013	0.004	0.039	0.003	0.006	0.010	0.004
LAZY_cLA	243.486	34.344	-0.083	0.006	1.747	0.004	-0.121	0.019	0.084
LEMO_cLA	242.215	33.824	-0.005	0.003	0.012	0.004	0.000	0.004	-0.004
LGO7_cLA	240.240	35.036	-0.002	0.003	0.002	0.002	-0.002	0.002	-0.018
LIMP_cLA	242.451	33.975	-0.024	0.006	0.009	0.006	0.000	0.006	-0.183
LOKT_cLA	243.426	33.553	0.015	0.004	0.061	0.004	0.023	0.015	0.019
LOSP_cLA	239.394	34.894	-0.004	0.002	0.001	0.001	-0.001	0.002	-0.003
LOVE_cLA	241.331	34.496	-0.013	0.003	0.006	0.003	-0.009	0.005	-0.028
LTEJ_cLA	241.197	34.801	-0.007	0.003	0.004	0.003	-0.005	0.004	-0.026
LUCS_cLA	243.118	34.440	-0.301	0.005	0.041	0.005	-0.037	0.025	-0.033
M586_cLA	243.311	33.555	0.016	0.004	0.065	0.004	0.029	0.017	-0.032
MACK_cLA	244.856	32.729	0.007	0.003	-0.001	0.002	-0.001	0.002	0.000
MADC_cLA	239.933	35.076	-0.005	0.002	0.001	0.002	-0.001	0.002	-0.003
MAGI_cLA	241.682	34.386	-0.019	0.003	0.006	0.002	-0.005	0.006	-0.026
MAND_cLA	241.502	34.091	-0.016	0.003	0.001	0.003	-0.003	0.004	-0.010
MASO_cLA	239.557	35.833	-0.004	0.002	0.001	0.001	-0.001	0.001	-0.014
MAUM_cLA	243.542	34.419	0.559	0.003	-1.686	0.002	-0.038	0.012	-0.096
MAYO_cLA	241.570	34.352	-0.009	0.004	0.003	0.004	-0.004	0.006	-0.028
MCK6_cLA	240.236	35.291	-0.006	0.004	0.002	0.002	-0.002	0.002	0.000
MCSW_cLA	239.887	35.789	-0.004	0.003	0.001	0.002	-0.002	0.002	0.000
MDAY_cLA	242.294	34.743	-0.038	0.002	0.016	0.002	-0.011	0.007	-0.020
MEEK_cLA	243.383	34.258	0.233	0.004	0.699	0.003	0.075	0.013	-0.105
MESQ_cLA	243.887	34.193	0.244	0.040	-0.102	0.037	-0.008	0.074	-0.109
METZ_cLA	242.768	33.796	0.015	0.004	0.048	0.003	0.026	0.011	-0.010
MIDE_cLA	239.502	35.950	-0.003	0.002	0.002	0.001	-0.002	0.001	-0.019
MILL_cLA	242.989	34.091	0.019	0.005	0.086	0.005	0.022	0.019	-0.088
MILU_cLA	242.708	34.281	-0.044	0.003	0.018	0.003	-0.011	0.013	-0.011

MILX_cLA	239.911	35.606	-0.005	0.003	0.002	0.002	-0.002	0.002	0.000
MITH_cLA	239.404	36.079	-0.003	0.002	0.001	0.001	-0.001	0.001	-0.004
MNMT_cLA	239.565	35.969	-0.004	0.002	0.001	0.001	-0.001	0.001	-0.026
MOJ1_cLA	243.109	35.332	0.009	0.005	-0.021	0.005	-0.001	0.008	-0.058
MOJM_cLA	243.112	35.332	-0.019	0.002	-0.015	0.001	0.002	0.003	-0.052
MONU_cLA	243.577	32.892	0.001	0.002	0.014	0.002	0.007	0.005	-0.011
MPNS_cLA	240.855	34.813	-0.010	0.003	0.000	0.002	-0.004	0.004	-0.070
MRGO_cLA	241.785	34.607	-0.017	0.014	0.009	0.007	-0.009	0.008	-0.062
MULH_cLA	241.440	34.130	-0.003	0.005	0.005	0.004	-0.004	0.004	0.003
MUNS_cLA	240.699	34.636	-0.008	0.003	0.001	0.002	-0.003	0.003	-0.054
N125_cLA	244.138	33.640	0.022	0.004	-0.013	0.004	-0.002	0.008	0.021
NAPO_cLA	240.041	35.503	-0.006	0.003	0.001	0.002	-0.003	0.002	-0.007
NEED_cLA	245.396	34.807	0.009	0.005	-0.004	0.004	-0.002	0.003	-0.001
NEST_cLA	242.000	34.346	-0.021	0.003	0.006	0.003	-0.007	0.008	-0.026
NIGU_cLA	242.270	33.515	0.004	0.002	0.016	0.002	0.002	0.004	-0.014
NIKE_cLA	241.487	34.129	-0.013	0.004	0.008	0.003	-0.005	0.004	-0.011
NORC_cLA	242.440	33.935	-0.005	0.003	0.018	0.003	0.002	0.005	-0.008
O225_cLA	244.275	32.648	0.000	0.002	0.002	0.003	0.001	0.002	0.018
OAKD_cLA	242.402	33.847	0.002	0.003	0.018	0.003	0.004	0.005	-0.031
OBSV_cLA	243.573	32.841	0.004	0.005	0.013	0.007	0.005	0.006	-0.036
OCOT_cLA	244.204	32.790	0.002	0.002	0.009	0.002	0.003	0.002	0.005
OCTI_cLA	243.998	32.734	0.001	0.003	-0.005	0.003	0.002	0.003	0.015
OIL1_cLA	240.168	35.477	-0.005	0.003	0.002	0.002	-0.002	0.002	0.000
OJAI_cLA	240.798	34.440	-0.017	0.003	0.010	0.002	-0.002	0.003	-0.003
ONYX_cLA	243.291	34.193	0.211	0.013	0.382	0.016	0.001	0.062	0.041
OPEN_cLA	243.351	33.599	0.033	0.007	0.076	0.008	0.018	0.020	0.025
ORIE_cLA	244.594	32.917	0.011	0.003	0.000	0.002	-0.001	0.002	0.013
OTAY_cLA	243.159	32.601	0.003	0.004	0.009	0.003	0.005	0.005	-0.027
OZNA_cLA	240.645	34.683	-0.005	0.003	0.005	0.002	-0.002	0.003	-0.053
P166_cLA	242.359	36.307	-0.003	0.002	-0.002	0.002	0.001	0.001	0.001
P807_cLA	240.146	35.604	-0.004	0.003	0.001	0.002	-0.002	0.002	-0.011
PACO_cLA	241.592	34.264	-0.009	0.003	0.005	0.003	-0.005	0.005	-0.024
PAIN_cLA	243.992	33.612	0.025	0.004	-0.007	0.003	-0.005	0.006	0.000
PANA_cLA	242.826	36.294	-0.002	0.002	-0.004	0.003	0.001	0.002	0.000
PATW_cLA	240.568	34.960	-0.007	0.003	0.002	0.002	-0.002	0.003	-0.026
PAVE_cLA	245.253	33.450	0.016	0.007	-0.007	0.004	-0.005	0.005	0.042
PEAR_cLA	242.078	34.512	-0.028	0.002	0.011	0.002	-0.012	0.004	-0.004
PEGL_cLA	243.701	33.296	0.007	0.004	0.020	0.005	0.011	0.008	0.006
PELN_cLA	241.644	34.561	-0.008	0.011	0.010	0.006	-0.007	0.007	-0.024
PF1__cLA	243.570	33.584	0.009	0.004	0.043	0.004	0.010	0.012	-0.010
PF5C_cLA	243.523	33.603	0.015	0.021	0.053	0.037	0.015	0.021	-0.036
PF6__cLA	243.516	33.581	0.009	0.003	0.051	0.003	0.011	0.010	-0.068
PICO_cLA	241.399	34.331	-0.011	0.004	0.006	0.003	-0.005	0.005	-0.011
PIN1_cLA	243.542	33.612	0.012	0.001	0.044	0.001	0.006	0.003	-0.043
PIN2_cLA	243.542	33.612	0.013	0.001	0.043	0.001	0.008	0.003	-0.046
PIN3_cLA	243.542	33.612	0.016	0.020	0.061	0.036	0.013	0.020	-0.041
PINY_cLA	243.541	33.609	0.010	0.003	0.057	0.003	0.005	0.009	-0.104
PK59_cLA	239.694	35.896	-0.002	0.002	0.002	0.001	-0.001	0.002	-0.008
PORT_cLA	241.843	35.087	-0.030	0.006	0.003	0.004	-0.005	0.007	0.038
POSO_cLA	239.887	35.520	-0.002	0.003	0.001	0.002	-0.002	0.002	0.003
POZO_cLA	239.701	35.346	-0.008	0.003	0.001	0.002	-0.002	0.002	-0.006
PPER_cLA	239.618	35.674	0.001	0.002	0.001	0.001	-0.001	0.002	-0.005
PSAR_cLA	243.511	33.839	0.042	0.009	0.136	0.009	0.023	0.024	0.033
PSEB_cLA	242.312	34.121	-0.015	0.003	0.005	0.003	0.007	0.007	-0.039
PSWB_cLA	241.947	34.114	-0.021	0.004	0.003	0.004	-0.006	0.006	-0.058
PT65_cLA	242.932	34.454	-0.152	0.005	0.028	0.004	-0.033	0.016	-0.165
PTHP_cLA	243.701	33.714	0.024	0.004	0.037	0.004	0.006	0.012	0.009
PVER_cLA	241.596	33.744	-0.006	0.002	0.002	0.002	-0.003	0.002	-0.008
PVOO_cLA	241.664	33.747	-0.001	0.003	0.007	0.003	-0.001	0.002	-0.008
RCKS_cLA	241.101	34.433	-0.009	0.003	0.001	0.002	-0.003	0.004	-0.020
RCUT_cLA	243.404	33.567	0.015	0.004	0.057	0.004	0.015	0.014	-0.004
RDRK_cLA	239.733	34.691	-0.005	0.003	0.001	0.002	-0.002	0.002	0.000

REDH_cLA	239.739	35.605	-0.002	0.002	0.001	0.001	-0.002	0.002	-0.011
RMRD_cLA	243.669	33.817	0.027	0.004	0.043	0.003	0.014	0.013	-0.092
ROBO_cLA	243.939	33.441	0.008	0.004	0.004	0.003	0.005	0.005	0.016
ROCH_cLA	243.390	33.611	0.015	0.002	0.059	0.001	0.012	0.003	-0.032
ROSA_cLA	242.811	33.505	0.013	0.004	0.041	0.003	0.027	0.010	0.003
ROUN_cLA	241.523	35.642	-0.007	0.004	0.000	0.003	-0.003	0.003	-0.021
RSRT_cLA	243.608	33.688	0.016	0.003	0.045	0.003	0.011	0.013	-0.063
RUS1_cLA	239.373	34.571	-0.003	0.002	0.001	0.001	-0.001	0.001	0.001
RVAL_cLA	244.598	35.142	-0.005	0.003	-0.014	0.003	0.003	0.005	0.074
SAEC_cLA	241.439	34.693	-0.014	0.003	0.006	0.003	-0.005	0.005	-0.028
SAFE_cLA	241.399	34.330	-0.009	0.003	0.002	0.002	-0.007	0.004	-0.028
SAFR_cLA	241.399	34.330	-0.013	0.008	0.003	0.005	-0.004	0.005	-0.029
SALI_cLA	240.287	34.823	-0.007	0.003	0.001	0.002	-0.002	0.003	-0.020
SAN1_cLA	242.465	33.709	0.001	0.004	0.022	0.003	0.002	0.006	0.010
SAND_cLA	243.721	34.255	0.403	0.003	-0.299	0.002	-0.013	0.008	-0.071
SANJ_cLA	239.781	35.509	-0.004	0.003	0.001	0.002	-0.002	0.002	0.000
SANO_cLA	242.487	34.018	-0.010	0.003	0.022	0.003	-0.001	0.006	0.012
SANS_cLA	242.496	34.211	-0.048	0.007	0.028	0.006	-0.006	0.013	0.021
SATI_cLA	241.574	34.209	-0.013	0.004	0.008	0.004	-0.003	0.005	0.000
SAWM_cLA	241.439	34.693	-0.012	0.006	0.007	0.004	-0.004	0.006	-0.094
SCRW_cLA	240.082	34.073	-0.004	0.003	0.001	0.002	-0.001	0.002	0.000
SD15_cLA	243.402	33.074	0.004	0.005	0.014	0.007	0.006	0.008	-0.006
SD16_cLA	243.590	33.039	0.005	0.007	0.019	0.012	0.006	0.007	0.000
SD17_cLA	242.852	32.818	0.008	0.006	0.013	0.010	0.005	0.006	-0.004
SD18_cLA	243.069	32.912	0.004	0.003	0.024	0.003	0.000	0.007	0.025
SD21_cLA	243.381	32.824	-0.003	0.003	0.019	0.004	0.006	0.006	0.004
SD22_cLA	243.819	32.832	0.004	0.004	0.012	0.007	0.003	0.004	0.000
SD32_cLA	243.064	33.041	0.008	0.009	0.025	0.015	0.008	0.009	0.000
SD34_cLA	243.101	33.294	0.002	0.006	0.034	0.008	0.008	0.012	-0.008
SD35_cLA	243.429	32.914	0.003	0.003	0.013	0.004	0.007	0.006	-0.008
SDG6_cLA	243.297	33.382	0.009	0.004	0.040	0.004	0.017	0.013	-0.061
SHR2_cLA	239.318	36.030	-0.003	0.002	0.001	0.001	-0.001	0.001	-0.007
SIBE_cLA	243.984	34.624	0.022	0.003	-0.073	0.003	0.009	0.011	0.017
SIER_cLA	242.347	33.849	-0.006	0.004	0.017	0.004	0.002	0.004	-0.027
SIO2_cLA	242.748	32.867	0.004	0.001	0.012	0.001	0.008	0.003	-0.043
SIPH_cLA	244.322	33.427	0.022	0.004	-0.007	0.003	-0.004	0.005	-0.004
SJOA_cLA	242.184	33.602	0.001	0.003	0.012	0.004	0.003	0.004	-0.007
SJU5_cLA	242.262	33.914	-0.002	0.004	0.017	0.004	-0.001	0.004	-0.013
SJUA_cLA	242.262	33.914	-0.008	0.003	0.013	0.003	0.000	0.004	-0.007
SLOE_cLA	239.854	35.387	-0.005	0.003	0.002	0.002	-0.002	0.002	0.000
SNP2_cLA	240.990	34.440	-0.005	0.003	0.003	0.002	-0.003	0.004	-0.050
SNPA_cLA	241.001	34.388	-0.009	0.002	0.002	0.002	-0.002	0.003	-0.018
SNRI_cLA	239.894	33.951	-0.004	0.002	0.000	0.001	-0.001	0.001	-0.010
SNT0_cLA	242.116	34.042	-0.014	0.004	0.014	0.003	-0.003	0.005	-0.017
SNTZ_cLA	242.116	34.043	-0.025	0.003	0.010	0.003	-0.004	0.005	-0.026
SOAP_cLA	243.019	34.904	-0.079	0.005	0.044	0.004	-0.019	0.014	0.109
SOLI_cLA	240.657	34.298	-0.007	0.003	0.003	0.002	-0.002	0.003	0.011
SOLJ_cLA	242.747	32.840	0.002	0.004	0.017	0.004	0.002	0.006	0.028
SOVF_cLA	239.475	34.609	-0.004	0.003	0.001	0.001	-0.001	0.002	0.000
SPED_cLA	241.664	33.746	-0.007	0.003	0.000	0.003	-0.001	0.002	-0.010
SPJ1_cLA	241.647	33.797	-0.002	0.002	0.005	0.002	-0.002	0.002	-0.006
SRM1_cLA	243.161	32.600	0.004	0.005	0.014	0.009	0.005	0.005	0.000
STEE_cLA	242.470	34.077	-0.020	0.006	0.019	0.005	-0.002	0.008	-0.099
T122_cLA	245.195	32.858	0.006	0.003	-0.002	0.002	-0.002	0.003	0.001
T124_cLA	244.500	32.738	0.002	0.003	0.001	0.002	0.000	0.002	0.001
T138_cLA	243.580	33.609	-0.008	0.011	0.037	0.007	0.012	0.016	-0.068
TALE_cLA	242.449	33.448	0.014	0.007	0.015	0.009	0.006	0.007	0.072
TAMA_cLA	244.522	32.883	0.005	0.003	0.001	0.002	-0.001	0.002	-0.002
TAR0_cLA	239.953	35.889	-0.007	0.002	0.001	0.002	-0.001	0.002	-0.005
TBLM_cLA	243.411	33.527	0.017	0.005	0.052	0.005	0.000	0.016	0.037
TCH5_cLA	241.462	34.063	-0.008	0.005	0.001	0.004	-0.003	0.004	-0.001
TESS_cLA	239.302	35.386	-0.004	0.002	0.001	0.001	-0.001	0.001	0.002

THOU_cLA	243.728	33.889	0.072	0.003	-0.108	0.003	-0.015	0.011	-0.059
THRT_cLA	242.503	34.136	-0.040	0.008	0.021	0.007	-0.005	0.010	0.007
TID8_cLA	241.727	33.720	-0.005	0.003	0.004	0.003	-0.001	0.002	0.039
TOM2_cLA	243.358	33.925	0.076	0.005	0.214	0.004	0.015	0.018	0.011
TOME_cLA	243.320	33.619	0.016	0.004	0.070	0.004	0.021	0.016	-0.087
TORO_cLA	243.574	33.524	0.012	0.004	0.043	0.004	0.014	0.012	0.003
TOSA_cLA	239.292	35.949	-0.003	0.002	0.000	0.001	-0.001	0.001	-0.011
TRAN_cLA	244.166	33.429	0.018	0.004	0.000	0.003	-0.002	0.005	0.018
TROY_cLA	243.469	34.839	-0.063	0.003	-0.246	0.003	0.044	0.013	0.036
TUNA_cLA	241.404	34.063	-0.007	0.003	0.003	0.003	-0.004	0.004	0.027
TWIS_cLA	239.982	35.488	-0.003	0.003	0.001	0.002	-0.002	0.002	-0.007
TWR2_cLA	239.982	35.488	-0.009	0.002	0.002	0.002	-0.002	0.002	-0.011
U145_cLA	241.307	34.406	-0.013	0.004	0.004	0.003	-0.003	0.005	-0.077
UCL0_cLA	241.559	34.069	-0.008	0.004	-0.002	0.003	-0.001	0.004	-0.025
UCL1_cLA	241.557	34.070	-0.006	0.003	0.001	0.002	-0.003	0.004	-0.042
UCLA_cLA	241.559	34.069	-0.016	0.002	-0.002	0.002	-0.003	0.004	-0.022
USC0_cLA	241.714	34.019	-0.011	0.006	0.005	0.004	-0.004	0.004	0.138
VA01_cLA	243.442	32.245	0.003	0.003	0.010	0.003	0.004	0.003	0.004
VAND_cLA	239.384	34.556	-0.005	0.002	0.001	0.001	-0.001	0.001	-0.001
VARN_cLA	244.086	33.503	0.007	0.003	0.001	0.003	-0.001	0.005	-0.004
VDGO_cLA	241.720	34.215	-0.014	0.004	0.002	0.004	-0.005	0.006	0.056
VENI_cLA	241.581	33.972	-0.006	0.003	0.004	0.003	-0.001	0.003	-0.017
VERN_cLA	242.274	34.137	-0.021	0.003	0.015	0.003	-0.003	0.007	0.020
VICU_cLA	240.076	35.413	-0.005	0.003	0.002	0.002	-0.002	0.002	0.000
VIEW_cLA	243.812	33.926	0.085	0.003	-0.051	0.002	-0.005	0.011	-0.068
VIL2_cLA	238.994	35.468	-0.003	0.002	0.001	0.001	-0.001	0.001	-0.003
VNDN_cLA	239.384	34.556	-0.003	0.002	0.002	0.001	-0.001	0.001	-0.002
VNDP_cLA	239.384	34.556	-0.006	0.001	0.002	0.001	-0.002	0.001	-0.021
VORO_cLA	243.840	33.628	0.012	0.005	0.004	0.004	-0.001	0.008	0.041
W304_cLA	240.877	34.306	-0.010	0.003	0.005	0.002	-0.002	0.003	0.009
W806_cLA	240.017	35.789	-0.005	0.003	0.002	0.002	-0.002	0.002	0.000
WATH_cLA	239.727	35.708	-0.006	0.002	0.001	0.002	-0.001	0.002	-0.011
WBCH_cLA	241.605	33.877	-0.003	0.003	0.003	0.002	-0.002	0.003	-0.016
WD42_cLA	239.531	35.763	-0.004	0.002	0.001	0.001	-0.001	0.001	0.008
WD91_cLA	243.288	33.714	0.034	0.004	0.100	0.004	0.028	0.015	-0.082
WHAU_cLA	241.257	34.567	-0.016	0.005	0.007	0.004	-0.004	0.005	-0.011
WHAY_cLA	243.528	33.684	0.028	0.004	0.069	0.004	0.009	0.015	-0.002
WHEC_cLA	241.257	34.568	-0.014	0.003	0.003	0.003	-0.004	0.005	-0.047
WHEE_cLA	240.986	35.011	-0.010	0.005	0.002	0.003	-0.003	0.004	0.049
WIDE_cLA	243.594	33.931	0.034	0.002	0.108	0.001	0.016	0.005	-0.041
WORK_cLA	241.997	33.992	-0.010	0.003	0.004	0.003	-0.004	0.004	0.000
X138_cLA	243.511	33.574	0.021	0.006	0.058	0.007	0.015	0.018	0.106
Y138_cLA	243.498	33.569	0.005	0.007	0.056	0.008	-0.002	0.018	0.041
Y616_cLA	239.753	35.679	-0.004	0.003	0.001	0.002	-0.002	0.002	0.000
YAM2_cLA	240.516	34.853	-0.013	0.003	-0.002	0.002	-0.003	0.003	0.010
YAMM_cLA	240.525	34.754	-0.011	0.003	0.003	0.002	-0.003	0.003	-0.036
YORB_cLA	242.214	33.868	-0.005	0.005	0.013	0.005	0.000	0.004	0.045
YUMA_cLA	245.797	32.939	0.006	0.003	-0.003	0.002	-0.003	0.003	0.019
YUNG_cLA	242.855	33.430	0.010	0.004	0.043	0.004	-0.008	0.010	0.003
			1994 Northridge						
0027_cNR	241.854	34.754	0.001	0.004	-0.019	0.004	0.000	0.005	-0.101
0048_cNR	241.745	34.503	-0.013	0.015	-0.016	0.011	-0.006	0.011	-0.090
0094_cNR	241.239	34.146	0.031	0.004	0.044	0.004	-0.024	0.015	-0.054
0117_cNR	240.914	34.117	0.014	0.009	0.009	0.007	-0.002	0.005	0.000
0141_cNR	241.593	34.465	-0.029	0.005	-0.044	0.004	-0.029	0.014	-0.062
0149_cNR	241.909	34.161	0.002	0.002	-0.003	0.002	-0.003	0.002	0.000
0152_cNR	241.715	34.020	0.005	0.003	0.000	0.002	-0.003	0.002	0.028
0166_cNR	240.794	34.146	0.009	0.005	0.005	0.004	-0.002	0.003	0.000
0614_cNR	241.412	35.745	-0.002	0.001	-0.001	0.001	0.000	0.001	-0.008
0617_cNR	241.375	35.274	-0.001	0.001	-0.003	0.002	0.000	0.001	-0.001
0618_cNR	241.132	34.825	0.000	0.001	-0.008	0.002	-0.001	0.002	-0.008
0701_cNR	241.597	33.997	0.002	0.002	0.018	0.002	-0.003	0.004	-0.015

0702_cNR	242.000	34.078	0.004	0.001	-0.002	0.001	-0.002	0.002	-0.003
0703_cNR	241.037	34.053	0.016	0.003	0.022	0.003	-0.005	0.007	-0.046
0704_cNR	241.460	34.407	-0.042	0.002	-0.053	0.002	-0.003	0.007	0.015
0706_cNR	241.060	34.394	-0.006	0.002	0.004	0.002	-0.004	0.003	0.004
07CG_cNR	241.567	33.928	0.000	0.003	0.020	0.005	-0.004	0.005	0.085
07CI_cNR	241.820	33.951	0.003	0.002	0.000	0.001	-0.003	0.002	-0.001
07DI_cNR	241.829	34.063	0.004	0.002	-0.003	0.002	-0.004	0.003	-0.019
07EH_cNR	241.784	34.211	0.006	0.003	-0.006	0.003	-0.003	0.003	-0.086
07FI_cNR	241.864	34.379	-0.006	0.003	-0.011	0.003	-0.005	0.005	-0.080
0805_cNR	242.471	35.007	-0.003	0.002	-0.002	0.002	0.000	0.001	-0.002
0806_cNR	242.386	35.366	-0.002	0.001	-0.004	0.002	0.000	0.001	-0.008
1201_cNR	241.912	33.738	0.001	0.001	0.001	0.001	-0.001	0.001	-0.001
56_Z_cNR	241.784	33.868	0.001	0.001	0.001	0.002	-0.002	0.002	-0.006
6022_cNR	241.298	34.033	0.005	0.005	0.070	0.006	-0.015	0.016	-0.036
AIRR_cNR	241.257	34.751	-0.002	0.002	-0.018	0.003	-0.002	0.003	-0.027
ALPN_cNR	241.891	34.544	-0.028	0.004	-0.017	0.004	-0.004	0.006	-0.053
BREA_cNR	242.109	33.955	0.001	0.001	-0.001	0.001	-0.002	0.001	0.000
BREN_cNR	241.523	34.045	-0.004	0.003	0.041	0.003	-0.008	0.006	-0.038
BRSH_cNR	241.595	33.407	0.000	0.001	0.007	0.003	0.000	0.001	-0.001
BURB_cNR	241.669	34.148	0.016	0.004	-0.012	0.004	0.001	0.008	-0.072
BUTJ_cNR	241.447	34.818	-0.008	0.002	-0.014	0.003	-0.001	0.004	-0.002
CAHA_cNR	241.674	34.137	0.009	0.002	0.005	0.002	0.003	0.007	0.041
CALA_cNR	241.354	34.140	0.038	0.002	0.074	0.002	-0.015	0.006	-0.048
CASO_cNR	241.214	34.086	0.036	0.026	0.046	0.017	-0.015	0.018	-0.053
CATO_cNR	241.214	34.086	0.034	0.002	0.046	0.002	-0.015	0.009	0.018
CHAF_cNR	240.669	34.301	0.002	0.002	0.002	0.001	-0.001	0.001	0.004
CHIC_cNR	241.950	33.710	0.000	0.001	0.001	0.001	-0.001	0.001	0.000
CHPI_cNR	241.542	35.147	-0.002	0.002	-0.006	0.004	0.000	0.002	0.000
CHRN_cNR	241.330	34.279	-0.103	0.004	0.037	0.005	0.127	0.018	-0.040
CHTW_cNR	241.359	34.257	-0.096	0.003	0.030	0.003	0.162	0.016	-0.019
COTR_cNR	240.846	34.120	0.004	0.002	0.006	0.002	0.005	0.004	-0.003
CRUC_cNR	240.704	34.285	0.004	0.002	0.002	0.002	-0.002	0.002	0.000
DBL1_cNR	241.513	35.033	-0.002	0.002	-0.005	0.003	0.000	0.002	-0.005
DBLE_cNR	241.513	35.033	-0.002	0.003	-0.008	0.005	0.000	0.002	0.000
DEER_cNR	241.492	35.086	0.000	0.001	-0.007	0.002	-0.001	0.002	-0.025
DIVI_cNR	241.446	34.102	0.001	0.003	0.072	0.003	-0.020	0.010	0.002
DUMP_cNR	241.175	34.018	0.049	0.009	0.034	0.010	-0.007	0.014	0.039
F113_cNR	241.077	34.278	-0.006	0.004	0.011	0.003	-0.007	0.005	0.019
FIFT_cNR	242.091	33.748	0.001	0.001	0.000	0.000	-0.001	0.001	0.000
FLAN_cNR	241.354	35.139	-0.001	0.002	-0.005	0.003	0.000	0.002	0.000
FLOO_cNR	241.957	33.774	0.001	0.001	0.001	0.001	-0.002	0.001	-0.001
FRMT_cNR	241.593	34.749	-0.012	0.003	-0.029	0.003	-0.003	0.006	-0.013
GLEN_cNR	241.717	34.161	0.008	0.005	-0.007	0.004	-0.002	0.006	0.019
GLSN_cNR	241.815	34.387	-0.012	0.003	-0.013	0.003	0.000	0.006	-0.005
H017_cNR	241.464	34.394	-0.019	0.015	-0.033	0.021	-0.009	0.013	0.000
HAP2_cNR	241.123	34.328	-0.012	0.001	0.013	0.002	-0.003	0.003	-0.001
HAPY_cNR	241.150	34.358	-0.032	0.002	0.012	0.002	-0.001	0.004	0.056
HAWE_cNR	242.582	34.948	-0.003	0.002	-0.002	0.002	0.000	0.001	-0.002
HOLY_cNR	241.825	33.930	0.002	0.001	0.000	0.001	-0.003	0.002	0.000
HOPP_cNR	241.134	34.478	-0.009	0.002	-0.001	0.001	-0.006	0.003	0.007
INYO_cNR	242.188	35.647	-0.001	0.001	-0.002	0.001	0.000	0.001	0.002
JACK_cNR	241.340	35.089	0.000	0.002	-0.005	0.002	0.000	0.002	0.002
JEFF_cNR	241.797	34.085	0.008	0.004	-0.004	0.003	-0.003	0.003	0.001
JIMG_cNR	242.503	34.977	-0.003	0.002	-0.003	0.002	0.000	0.001	0.000
JOBU_cNR	242.308	35.337	-0.002	0.001	-0.004	0.001	0.000	0.001	-0.013
JPLM_cNR	241.827	34.205	0.007	0.001	-0.006	0.001	-0.002	0.001	-0.002
JSPH_cNR	241.846	34.286	-0.009	0.002	-0.005	0.002	-0.003	0.003	-0.021
KILN_cNR	241.518	35.100	-0.002	0.002	-0.006	0.004	0.000	0.002	0.000
LANW_cNR	241.945	33.917	0.002	0.001	0.000	0.001	-0.002	0.001	-0.001
LASE_cNR	242.058	33.793	0.001	0.001	0.001	0.001	-0.001	0.001	0.002
LOFT_cNR	241.903	34.522	-0.014	0.009	-0.012	0.009	-0.001	0.006	0.000
LOVE_cNR	241.331	34.496	-0.078	0.002	-0.045	0.002	-0.043	0.005	-0.030

LTEJ_cNR	241.197	34.801	-0.001	0.002	-0.008	0.002	-0.002	0.002	-0.008
MAGI_cNR	241.682	34.386	-0.017	0.003	-0.017	0.003	-0.012	0.009	0.062
MAND_cNR	241.502	34.091	0.002	0.002	0.054	0.003	-0.002	0.006	0.031
MAYO_cNR	241.570	34.352	0.026	0.003	0.001	0.003	0.004	0.009	-0.003
MDAY_cNR	242.294	34.743	-0.004	0.002	-0.006	0.002	0.000	0.002	-0.020
MLND_cNR	241.523	34.126	0.023	0.009	0.006	0.008	0.012	0.010	-0.006
MOOD_cNR	242.312	34.608	-0.011	0.003	-0.003	0.003	0.000	0.002	-0.015
MRGO_cNR	241.785	34.607	-0.018	0.011	-0.021	0.013	-0.001	0.008	-0.003
MULH_cNR	241.440	34.130	0.005	0.003	0.061	0.003	-0.004	0.009	-0.046
NIKE_cNR	241.487	34.129	0.004	0.004	0.046	0.003	0.007	0.008	-0.019
NORT_cNR	241.445	34.233	0.018	0.003	-0.068	0.003	0.167	0.016	-0.145
N_49_cNR	241.466	34.034	0.012	0.006	0.045	0.007	-0.009	0.011	-0.181
OAKS_cNR	241.114	34.196	0.011	0.005	0.022	0.004	-0.015	0.010	0.011
OXEB_cNR	240.949	34.196	0.013	0.008	0.007	0.006	-0.003	0.005	0.000
PACO_cNR	241.592	34.264	0.084	0.002	-0.020	0.002	0.058	0.007	-0.029
PAJA_cNR	241.705	35.121	-0.001	0.002	-0.007	0.003	0.000	0.002	0.007
PEAR_cNR	242.078	34.512	-0.008	0.001	-0.005	0.001	-0.002	0.003	0.004
PELN_cNR	241.644	34.561	-0.030	0.007	-0.027	0.008	-0.003	0.012	0.061
PICO_cNR	241.399	34.331	-0.133	0.002	0.118	0.002	0.392	0.009	-0.017
PORT_cNR	241.843	35.087	-0.003	0.002	-0.004	0.002	0.000	0.002	-0.018
PSWB_cNR	241.947	34.114	0.002	0.002	-0.003	0.002	-0.003	0.002	-0.016
PTDU_cNR	241.193	34.002	0.018	0.004	0.047	0.004	0.000	0.011	-0.051
PVEP_cNR	241.596	33.743	0.000	0.001	0.013	0.001	-0.002	0.002	0.002
PVER_cNR	241.596	33.744	0.000	0.002	0.013	0.002	0.000	0.003	0.009
PVOO_cNR	241.664	33.747	0.000	0.002	0.009	0.004	-0.001	0.002	-0.003
RCKS_cNR	241.101	34.433	-0.013	0.002	0.004	0.002	-0.004	0.003	0.007
RESE_cNR	241.512	34.292	0.180	0.003	-0.007	0.003	0.366	0.225	-0.148
ROUN_cNR	241.523	35.642	-0.001	0.001	-0.002	0.001	0.000	0.001	-0.001
RSPG_cNR	241.330	35.138	0.000	0.001	-0.005	0.002	0.000	0.001	0.002
SAEC_cNR	241.439	34.693	-0.003	0.002	-0.023	0.002	-0.001	0.005	-0.034
SAFE_cNR	241.399	34.330	-0.140	0.001	0.124	0.002	0.408	0.005	-0.001
SAFR_cNR	241.399	34.330	-0.137	0.003	0.161	0.003	0.164	0.034	-0.057
SATI_cNR	241.574	34.209	0.073	0.009	-0.030	0.004	0.047	0.017	-0.045
SAWM_cNR	241.439	34.693	-0.003	0.004	-0.028	0.004	-0.002	0.006	-0.258
SBIS_cNR	240.959	33.472	0.008	0.003	0.006	0.003	0.000	0.002	-0.008
SCLA_cNR	240.961	34.326	0.002	0.003	0.003	0.002	-0.003	0.003	-0.003
SCRE_cNR	240.435	34.055	0.004	0.002	0.002	0.002	0.000	0.001	0.000
SNPA_cNR	241.001	34.388	-0.004	0.001	0.001	0.001	-0.004	0.002	0.002
SOLE_cNR	241.811	34.983	-0.004	0.002	-0.005	0.003	0.000	0.003	-0.025
SOLI_cNR	240.657	34.298	0.002	0.002	0.002	0.001	-0.001	0.001	0.007
SPJ1_cNR	241.647	33.797	-0.006	0.002	0.009	0.002	-0.002	0.002	-0.007
SUMT_cNR	241.591	35.134	-0.003	0.002	-0.003	0.002	0.000	0.002	0.024
TCH5_cNR	241.462	34.063	0.003	0.009	0.063	0.010	-0.009	0.011	-0.005
TID8_cNR	241.727	33.720	0.000	0.001	0.005	0.002	-0.001	0.002	0.005
TUNA_cNR	241.404	34.063	0.016	0.002	0.078	0.002	-0.019	0.008	0.007
U145_cNR	241.307	34.406	-0.061	0.004	-0.002	0.004	0.012	0.009	-0.047
UCL0_cNR	241.559	34.069	-0.008	0.002	0.020	0.002	-0.009	0.003	-0.006
UCL1_cNR	241.557	34.070	-0.004	0.002	0.028	0.002	-0.003	0.003	0.010
UCLA_cNR	241.559	34.069	-0.009	0.001	0.035	0.001	-0.003	0.003	-0.001
USC0_cNR	241.714	34.019	0.005	0.003	0.001	0.002	-0.003	0.002	-0.002
VDGO_cNR	241.720	34.215	0.011	0.004	-0.012	0.004	-0.001	0.005	0.047
VENI_cNR	241.581	33.972	0.000	0.002	0.018	0.003	-0.002	0.004	-0.021
W304_cNR	240.877	34.306	0.001	0.002	0.005	0.002	-0.003	0.002	0.011
WARN_cNR	241.210	34.688	-0.001	0.002	-0.014	0.004	-0.003	0.003	-0.069
WBCH_cNR	241.605	33.877	-0.001	0.002	0.014	0.002	-0.004	0.003	-0.010
WEED_cNR	241.068	35.223	0.000	0.001	-0.004	0.002	0.000	0.001	-0.006
WHAU_cNR	241.257	34.567	-0.005	0.002	-0.021	0.002	-0.006	0.004	0.015
WHEC_cNR	241.257	34.568	-0.004	0.002	-0.018	0.002	-0.002	0.004	-0.020
WHEE_cNR	240.986	35.011	0.000	0.001	-0.003	0.001	-0.001	0.001	0.001
WIRO_cNR	241.486	34.060	-0.006	0.004	0.058	0.005	-0.009	0.007	-0.004
WOR2_cNR	241.997	33.992	0.002	0.001	-0.001	0.001	-0.002	0.001	-0.001
WORK_cNR	241.997	33.992	0.003	0.001	-0.001	0.001	-0.002	0.001	-0.003

WSR2_cNR	241.420	34.595	-0.005	0.009	-0.029	0.018	-0.005	0.009	0.000
Y609_cNR	241.248	34.272	-0.006	0.005	0.028	0.009	0.007	0.007	0.006
Z786_cNR	241.627	34.222	0.048	0.004	-0.017	0.004	0.017	0.015	-0.179
1994/01/29 Northridge Aftershock									
MCDS_cNA	241.457	34.202	0.011	0.004	0.004	0.004	0.001	0.009	0.083
SATI_cNA	241.574	34.209	0.003	0.009	-0.004	0.009	-0.006	0.010	0.004
NORT_cNA	241.445	34.233	0.002	0.003	-0.002	0.003	0.001	0.008	0.039
DELO_cNA	241.489	34.258	0.005	0.004	-0.002	0.004	0.005	0.009	0.056
CHRN_cNA	241.330	34.279	-0.006	0.005	-0.003	0.005	0.001	0.009	0.027
RESE_cNA	241.512	34.292	0.004	0.002	-0.001	0.002	0.007	0.007	0.012
OATT_cNA	241.399	34.330	-0.003	0.005	0.000	0.002	0.001	0.009	-0.052
SAFE_cNA	241.399	34.330	-0.004	0.002	0.001	0.003	0.019	0.008	-0.016
PICO_cNA	241.399	34.331	0.002	0.002	0.001	0.002	0.020	0.006	0.014
U145_cNA	241.307	34.406	0.000	0.005	-0.002	0.004	0.006	0.008	0.012
0704_cNA	241.460	34.407	0.004	0.003	0.006	0.003	-0.010	0.008	0.061
LOVE_cNA	241.331	34.496	-0.008	0.002	-0.001	0.002	0.006	0.006	0.018
Z370_cNA	241.348	34.544	0.000	0.007	-0.035	0.005	0.001	0.009	-0.059
1999 Hector Mine									
02NE_cHT	244.213	33.427	0.006	0.003	0.004	0.003	0.001	0.002	0.004
0301_cHT	242.435	33.375	0.003	0.002	0.010	0.003	0.002	0.002	-0.009
0302_cHT	242.751	33.355	0.004	0.004	0.009	0.005	0.003	0.003	0.000
0303_cHT	242.841	33.332	0.003	0.003	0.006	0.003	0.003	0.004	-0.026
05NE_cHT	244.265	33.427	0.007	0.002	0.011	0.002	0.001	0.002	0.005
0614_cHT	241.412	35.745	-0.004	0.002	0.002	0.001	0.000	0.002	0.000
0704_cHT	241.460	34.407	-0.006	0.002	0.001	0.002	-0.001	0.002	-0.004
0705_cHT	242.235	34.493	-0.001	0.005	-0.002	0.003	-0.004	0.004	-0.004
07NE_cHT	244.248	33.412	0.006	0.002	0.004	0.003	0.001	0.002	-0.002
0801_cHT	244.577	35.541	-0.007	0.003	-0.014	0.004	0.003	0.005	-0.007
0802_cHT	244.111	35.371	-0.003	0.011	-0.029	0.016	0.010	0.011	-0.001
0803_cHT	243.585	35.072	-0.012	0.004	-0.049	0.005	0.001	0.012	0.033
0805_cHT	242.471	35.007	-0.015	0.010	0.005	0.007	-0.006	0.007	-0.001
0806_cHT	242.386	35.366	-0.011	0.005	0.003	0.004	-0.004	0.004	-0.007
0808_cHT	244.067	34.728	0.019	0.004	-0.069	0.003	0.008	0.009	0.057
0809_cHT	244.673	34.806	0.008	0.007	-0.010	0.006	-0.003	0.005	-0.002
0812_cHT	245.349	34.476	0.010	0.006	-0.003	0.004	-0.004	0.004	0.000
0814_cHT	244.782	34.044	0.018	0.010	-0.036	0.007	-0.007	0.007	0.001
0817_cHT	242.758	34.537	-0.028	0.003	0.007	0.003	-0.008	0.008	-0.050
0818_cHT	242.896	34.022	0.003	0.004	0.016	0.003	0.004	0.005	0.001
0821_cHT	243.429	33.561	0.004	0.006	0.025	0.008	0.008	0.007	-0.004
0912_cHT	243.584	36.304	-0.002	0.002	-0.005	0.002	0.002	0.002	0.006
0914_cHT	242.671	35.978	-0.004	0.002	0.000	0.001	-0.001	0.001	0.000
0915_cHT	243.700	35.867	-0.001	0.003	-0.011	0.003	0.003	0.004	-0.023
1103_cHT	244.117	32.675	0.002	0.001	0.003	0.002	0.001	0.001	0.001
1106_cHT	243.198	32.844	0.000	0.002	0.006	0.003	0.004	0.003	-0.015
1107_cHT	242.723	33.130	0.005	0.002	0.003	0.003	0.002	0.003	0.001
1108_cHT	243.307	33.234	0.004	0.002	0.007	0.003	0.004	0.004	-0.032
1109_cHT	243.753	33.160	0.001	0.002	0.003	0.003	0.003	0.003	0.003
1110_cHT	244.112	33.177	0.004	0.002	0.002	0.002	0.002	0.002	-0.013
1111_cHT	244.481	33.231	0.003	0.002	0.003	0.002	0.000	0.001	-0.004
1113_cHT	244.036	33.677	0.005	0.004	0.012	0.004	0.002	0.004	0.000
1114_cHT	244.757	33.681	0.007	0.005	-0.003	0.003	-0.003	0.004	-0.005
1225_cHT	244.459	32.942	0.002	0.002	0.002	0.001	0.000	0.001	0.000
25SE_cHT	244.217	33.440	-0.001	0.002	0.003	0.003	0.001	0.002	0.007
6050_cHT	243.666	34.266	0.054	0.005	0.222	0.004	0.012	0.019	-0.010
6056_cHT	243.353	34.370	0.014	0.003	0.068	0.003	-0.007	0.012	-0.051
6106_cHT	242.604	34.038	-0.002	0.002	0.008	0.004	0.002	0.003	0.005
6813_cHT	242.325	36.150	-0.001	0.001	0.000	0.001	0.000	0.001	0.005
7000_cHT	243.284	34.676	-0.131	0.002	0.041	0.002	-0.010	0.008	-0.032
7001_cHT	243.531	34.560	-0.215	0.003	0.214	0.003	-0.016	0.009	-0.043
7085_cHT	243.114	35.424	0.015	0.003	-0.003	0.002	0.004	0.003	0.004
7115_cHT	243.208	35.248	-0.010	0.003	-0.001	0.003	0.000	0.005	0.023
7288_cHT	243.108	35.331	-0.010	0.001	0.001	0.001	-0.007	0.003	0.005

ACRN_cHT	243.674	34.336	0.053	0.080	0.327	0.025	-0.007	0.073	-0.221
ADZU_cHT	243.750	34.352	0.028	0.067	0.384	0.036	0.017	0.078	0.041
AIMR_cHT	243.657	34.436	0.087	0.005	0.650	0.005	0.019	0.026	-0.050
AMBO_cHT	244.258	34.559	0.078	0.004	-0.025	0.003	-0.004	0.011	0.078
ANT__cHT	243.612	34.482	0.109	0.005	0.587	0.005	-0.006	0.023	0.058
ANZA_cHT	243.338	33.556	0.006	0.002	0.016	0.003	0.008	0.005	0.026
AOA1_cHT	241.170	34.157	-0.002	0.001	0.001	0.001	-0.001	0.001	-0.012
APEX_cHT	245.068	36.319	-0.002	0.001	-0.004	0.001	-0.001	0.002	-0.002
ARGO_cHT	243.747	34.732	-0.200	0.078	-0.731	0.028	-0.076	0.088	0.240
ARGU_cHT	242.478	36.050	-0.002	0.001	0.000	0.001	-0.001	0.001	-0.007
ASBS_cHT	243.538	33.620	0.010	0.004	0.028	0.005	0.005	0.007	-0.077
ASIA_cHT	243.716	34.392	-0.029	0.004	0.513	0.005	0.037	0.026	0.056
AVRY_cHT	242.846	34.468	-0.020	0.001	0.006	0.001	-0.005	0.001	-0.004
AZRY_cHT	243.370	33.540	0.006	0.001	0.016	0.001	0.003	0.002	0.005
AZU1_cHT	242.104	34.126	-0.002	0.001	0.002	0.001	0.001	0.001	-0.029
BAGD_cHT	244.121	34.581	0.117	0.020	-0.049	0.012	-0.013	0.031	-0.033
BAM2_cHT	243.711	34.456	0.189	0.075	0.802	0.051	0.207	0.167	-0.376
BARS_cHT	243.061	35.091	-0.028	0.006	0.011	0.006	-0.006	0.011	0.010
BBRY_cHT	243.116	34.264	0.004	0.001	0.024	0.001	0.001	0.002	0.020
BEER_cHT	243.743	34.325	0.055	0.050	0.334	0.018	0.010	0.076	0.051
BGIS_cHT	241.840	33.967	0.000	0.001	0.001	0.001	0.000	0.001	0.000
BILL_cHT	242.935	33.578	0.005	0.001	0.011	0.001	0.005	0.001	0.002
BKMS_cHT	241.905	33.962	-0.001	0.001	0.002	0.001	-0.001	0.001	0.002
BLAC_cHT	244.280	33.664	0.005	0.002	0.002	0.002	0.000	0.002	-0.001
BLYT_cHT	245.285	33.610	0.008	0.001	-0.003	0.001	0.000	0.001	-0.002
BM25_cHT	242.056	36.045	-0.003	0.002	0.001	0.001	-0.001	0.001	0.007
BM52_cHT	243.674	34.681	-0.117	0.036	-1.057	0.011	-0.209	0.052	-0.297
BMRY_cHT	243.015	33.963	0.009	0.001	0.019	0.001	0.005	0.002	0.007
BRAN_cHT	241.723	34.185	-0.002	0.001	0.002	0.001	0.000	0.001	-0.006
BRAY_cHT	243.739	34.457	-0.282	0.029	1.003	0.021	0.105	0.068	-0.248
BRI2_cHT	242.861	34.014	0.001	0.002	0.009	0.003	0.004	0.004	-0.014
BRYN_cHT	242.734	34.063	0.000	0.003	0.010	0.005	0.001	0.003	-0.028
BSRY_cHT	242.988	34.919	-0.036	0.001	0.015	0.001	-0.011	0.002	0.007
BUST_cHT	243.549	36.745	-0.001	0.001	-0.003	0.001	0.000	0.001	0.001
BUTJ_cHT	241.447	34.818	-0.007	0.002	0.002	0.002	-0.002	0.002	0.012
C101_cHT	243.845	33.546	0.000	0.004	0.014	0.005	0.006	0.005	-0.014
CAHU_cHT	243.726	33.639	0.004	0.003	0.022	0.004	0.006	0.007	-0.043
CAJO_cHT	242.549	34.347	-0.017	0.002	0.006	0.002	-0.004	0.004	-0.017
CBHS_cHT	241.370	34.139	-0.001	0.001	0.001	0.001	0.000	0.001	0.005
CCCS_cHT	242.135	33.863	-0.001	0.001	0.003	0.001	-0.002	0.001	0.000
CHIL_cHT	241.974	34.333	-0.005	0.001	0.002	0.001	-0.003	0.001	0.010
CHMS_cHT	242.172	34.640	-0.009	0.001	0.003	0.001	-0.004	0.003	0.002
CHT3_cHT	241.359	34.257	-0.001	0.002	0.002	0.001	-0.001	0.001	0.002
CHUK_cHT	243.756	34.571	1.083	0.026	-1.889	0.012	0.413	0.037	-0.309
CIT1_cHT	241.873	34.137	-0.002	0.001	0.001	0.001	0.000	0.001	0.007
CJCK_cHT	243.545	35.515	-0.006	0.006	-0.015	0.009	0.004	0.005	0.000
CJMS_cHT	242.521	34.314	-0.007	0.002	0.006	0.002	-0.003	0.002	0.002
CLAR_cHT	242.291	34.110	-0.003	0.001	0.004	0.001	0.000	0.001	0.001
CLSA_cHT	242.620	34.004	0.000	0.003	0.009	0.005	0.001	0.003	-0.002
CMP9_cHT	241.589	34.353	-0.003	0.001	0.001	0.001	-0.001	0.001	-0.023
COCH_cHT	243.842	33.740	-0.002	0.003	0.025	0.004	0.005	0.007	-0.041
COND_cHT	243.831	32.467	0.001	0.001	0.004	0.002	0.001	0.001	-0.006
COSO_cHT	242.191	35.982	-0.003	0.001	0.001	0.001	0.000	0.001	0.000
CRAT_cHT	243.431	36.808	-0.001	0.001	-0.003	0.001	0.001	0.001	0.003
CRFP_cHT	242.900	34.039	0.006	0.001	0.013	0.001	0.005	0.002	0.007
CRRS_cHT	244.265	33.070	0.003	0.001	0.003	0.001	0.001	0.001	-0.004
CSN1_cHT	241.476	34.254	-0.002	0.001	0.001	0.001	-0.001	0.001	0.011
CTMS_cHT	243.630	34.124	0.031	0.001	0.105	0.001	0.013	0.002	0.004
CVHS_cHT	242.098	34.082	-0.002	0.001	0.002	0.001	-0.002	0.001	0.009
DAM1_cHT	241.603	34.334	-0.003	0.001	0.001	0.001	-0.001	0.001	-0.084
DAM2_cHT	241.603	34.335	-0.004	0.002	0.000	0.000	-0.001	0.002	-0.007
DANT_cHT	243.274	36.226	-0.002	0.002	-0.004	0.002	0.001	0.002	-0.002

DASH_cHT	242.914	33.636	0.005	0.003	0.010	0.003	0.005	0.005	-0.041
DEER_cHT	241.492	35.086	-0.010	0.002	0.002	0.002	-0.002	0.002	0.001
DESO_cHT	244.600	33.715	0.005	0.004	-0.006	0.003	-0.004	0.004	0.001
DHLG_cHT	244.212	33.390	0.003	0.001	0.004	0.001	0.001	0.001	0.001
DSHS_cHT	241.651	34.024	-0.002	0.001	0.002	0.001	0.001	0.001	0.007
DSSC_cHT	243.288	33.733	0.009	0.001	0.022	0.001	0.006	0.002	-0.039
DVPB_cHT	242.140	34.413	-0.006	0.001	0.004	0.001	-0.002	0.002	0.011
DYHS_cHT	241.874	33.938	-0.001	0.001	0.002	0.001	-0.002	0.001	0.007
E122_cHT	244.405	32.800	0.001	0.001	0.003	0.002	0.001	0.001	0.000
EBON_cHT	243.824	34.491	0.650	0.008	-0.812	0.005	0.058	0.029	-0.032
ECMO_cHT	243.194	35.299	-0.015	0.003	0.003	0.002	-0.003	0.004	0.003
EDOM_cHT	243.569	33.870	0.009	0.003	0.050	0.003	0.014	0.008	0.018
ELK1_cHT	244.131	34.447	0.163	0.056	-0.064	0.011	-0.038	0.028	0.505
ELSC_cHT	241.792	34.030	-0.002	0.001	0.002	0.001	0.000	0.001	-0.004
ENDD_cHT	245.519	34.044	0.002	0.005	-0.001	0.003	-0.003	0.003	0.022
END__cHT	243.898	34.531	0.431	0.022	-0.352	0.010	-0.055	0.055	0.076
ESRE_cHT	243.009	33.673	0.006	0.002	0.014	0.002	0.007	0.002	-0.001
ESRW_cHT	242.933	33.682	0.006	0.002	0.014	0.002	0.010	0.002	-0.002
EWPP_cHT	242.474	34.104	-0.002	0.001	0.006	0.001	-0.003	0.001	0.007
F17G_cHT	242.746	32.704	0.002	0.002	0.005	0.003	0.002	0.002	0.000
FHFF_cHT	241.390	34.515	-0.002	0.001	0.001	0.001	0.001	0.001	-0.006
FIBR_cHT	240.606	35.398	-0.003	0.002	0.001	0.001	-0.001	0.001	-0.002
FLAS_cHT	242.983	34.824	-0.038	0.027	0.020	0.018	-0.025	0.018	0.004
FMTH_cHT	242.495	35.213	-0.012	0.002	0.003	0.002	-0.001	0.004	0.013
FORK_cHT	242.116	36.062	-0.001	0.001	0.001	0.001	-0.001	0.001	0.002
FRIN_cHT	244.353	33.360	0.004	0.002	0.003	0.002	0.000	0.002	-0.007
FUNE_cHT	243.525	36.397	-0.002	0.001	-0.005	0.002	0.002	0.002	0.001
FXHS_cHT	241.641	34.081	-0.002	0.001	0.001	0.001	0.000	0.001	0.002
FZHS_cHT	241.107	34.800	-0.003	0.001	0.001	0.001	-0.001	0.001	0.016
GHRP_cHT	242.602	34.204	-0.005	0.001	0.006	0.001	0.001	0.002	0.012
GODW_cHT	244.068	34.136	0.039	0.003	-0.015	0.003	-0.008	0.008	-0.019
GOL2_cHT	243.111	35.425	-0.007	0.001	0.001	0.000	-0.004	0.001	-0.009
GOLD_cHT	243.111	35.425	-0.009	0.002	0.000	0.002	0.006	0.002	0.000
GRLZ_cHT	243.404	35.453	-0.007	0.005	-0.010	0.006	0.003	0.004	0.000
GRMC_cHT	242.172	35.418	-0.008	0.005	0.004	0.003	-0.003	0.003	0.000
GS01_cHT	241.918	35.225	-0.007	0.002	0.003	0.002	-0.004	0.003	0.010
GS02_cHT	241.900	35.494	-0.005	0.002	0.003	0.002	-0.001	0.002	0.005
GS03_cHT	241.965	35.668	-0.006	0.002	0.003	0.002	-0.002	0.002	0.029
GS04_cHT	242.093	36.204	-0.003	0.002	0.001	0.001	-0.001	0.001	-0.001
GS05_cHT	242.265	36.047	-0.002	0.001	0.000	0.001	-0.001	0.001	0.006
GS07_cHT	242.821	36.035	-0.003	0.002	-0.001	0.001	0.000	0.001	0.001
GS09_cHT	242.102	35.115	-0.008	0.002	0.005	0.002	-0.004	0.004	0.009
GS11_cHT	242.415	35.429	-0.008	0.002	0.003	0.002	-0.001	0.003	0.029
GS12_cHT	242.667	35.434	-0.008	0.002	0.004	0.002	-0.001	0.004	0.011
GS13_cHT	242.851	35.522	-0.007	0.002	0.002	0.002	0.000	0.003	0.010
GS14_cHT	242.801	35.615	-0.007	0.002	0.001	0.002	-0.001	0.002	0.008
GS15_cHT	242.039	35.426	-0.005	0.002	0.003	0.002	-0.001	0.003	0.010
GS16_cHT	242.294	35.470	-0.008	0.002	0.003	0.002	0.000	0.003	0.010
GS17_cHT	242.443	35.569	-0.005	0.002	0.004	0.002	-0.004	0.003	0.008
GS18_cHT	242.130	35.584	-0.005	0.002	0.003	0.002	0.000	0.002	0.007
GS19_cHT	242.260	35.660	-0.007	0.002	0.002	0.002	-0.002	0.002	0.009
GS20_cHT	242.599	35.769	-0.007	0.002	0.002	0.002	0.000	0.002	0.003
GS21_cHT	242.253	35.823	-0.002	0.002	0.001	0.002	-0.001	0.002	0.007
GS22_cHT	242.031	35.845	-0.005	0.002	0.002	0.001	-0.002	0.002	0.006
GS24_cHT	242.518	35.925	-0.004	0.002	0.001	0.001	0.000	0.001	0.003
GS25_cHT	242.711	35.913	-0.003	0.002	0.001	0.001	-0.001	0.001	-0.002
GS26_cHT	242.458	35.740	-0.005	0.002	0.002	0.002	-0.001	0.002	0.024
GS27_cHT	242.546	36.053	-0.003	0.001	0.000	0.001	-0.001	0.001	0.005
GS29_cHT	242.191	35.982	-0.001	0.002	0.002	0.001	-0.001	0.001	0.012
GS30_cHT	242.208	36.067	-0.003	0.001	0.000	0.001	-0.001	0.001	0.011
GS31_cHT	242.204	36.024	-0.005	0.002	0.001	0.001	-0.001	0.001	0.013
GS32_cHT	242.172	36.016	-0.001	0.002	0.000	0.001	-0.001	0.001	0.007

GS33_cHT	242.233	36.007	-0.005	0.002	0.001	0.001	-0.001	0.001	0.008
GS34_cHT	242.328	36.094	-0.002	0.001	0.000	0.001	-0.001	0.001	0.008
GS36_cHT	242.958	35.168	-0.020	0.002	0.008	0.002	-0.006	0.005	0.037
HEBR_cHT	243.737	34.412	-0.059	0.098	0.639	0.022	-0.027	0.131	0.348
HECT_cHT	243.579	34.785	-0.151	0.002	-0.012	0.002	0.004	0.006	-0.009
HIGH_cHT	242.831	34.134	0.002	0.004	0.028	0.006	0.001	0.004	-0.005
HMCP_cHT	242.288	34.107	-0.005	0.002	0.006	0.002	-0.002	0.002	0.007
HNPS_cHT	244.365	33.705	0.008	0.001	0.000	0.001	-0.003	0.002	-0.002
HOLC_cHT	242.155	34.458	-0.007	0.001	0.002	0.001	0.000	0.002	0.004
I018_cHT	244.354	32.800	0.002	0.001	0.003	0.002	0.001	0.001	0.000
I019_cHT	244.271	32.789	0.002	0.001	0.003	0.002	0.001	0.001	0.000
I021_cHT	244.101	32.780	0.002	0.002	0.004	0.002	0.001	0.002	0.000
I025_cHT	244.403	33.308	0.004	0.002	0.002	0.002	0.000	0.001	0.000
I026_cHT	244.435	33.268	0.004	0.002	0.002	0.002	0.000	0.001	0.000
IMPS_cHT	244.855	34.158	0.016	0.001	-0.007	0.001	-0.007	0.003	0.005
INYO_cHT	242.188	35.647	-0.006	0.002	0.003	0.002	-0.002	0.002	-0.020
ISBO_cHT	243.860	34.333	0.215	0.048	0.638	0.058	-0.062	0.055	0.027
ISLK_cHT	241.526	35.662	-0.003	0.001	0.002	0.001	-0.002	0.002	-0.016
J7ZZ_cHT	242.725	35.341	-0.013	0.008	0.005	0.005	-0.004	0.005	0.000
JBON_cHT	242.004	35.336	-0.008	0.005	0.003	0.003	-0.003	0.003	0.000
JOBU_cHT	242.308	35.337	-0.010	0.002	0.003	0.002	-0.003	0.003	0.008
JOHN_cHT	243.901	36.459	-0.001	0.001	-0.005	0.001	-0.001	0.002	0.007
JPLM_cHT	241.827	34.205	-0.002	0.001	0.001	0.001	-0.001	0.001	0.005
JUBI_cHT	243.472	35.919	-0.005	0.002	-0.009	0.003	0.003	0.003	0.002
K526_cHT	242.797	34.108	0.001	0.003	-0.008	0.004	0.002	0.004	-0.030
KELL_cHT	242.950	34.196	-0.001	0.005	0.023	0.008	0.001	0.005	-0.011
KMED_cHT	241.864	36.023	-0.001	0.001	0.001	0.001	-0.001	0.001	0.002
L589_cHT	244.239	32.951	0.003	0.002	0.001	0.002	0.001	0.001	0.000
LAE1_cHT	243.443	34.574	-0.204	0.002	0.087	0.002	-0.022	0.005	0.008
LAE2_cHT	243.478	34.589	-0.264	0.002	0.121	0.002	-0.023	0.006	0.008
LAE3_cHT	243.513	34.618	-0.412	0.002	0.161	0.002	0.010	0.005	0.007
LAE4_cHT	243.671	34.734	-0.240	0.002	-0.769	0.002	-0.180	0.006	0.028
LAPC_cHT	241.425	34.182	-0.002	0.001	0.001	0.001	-0.001	0.001	0.009
LAST_cHT	242.691	33.837	0.002	0.002	0.008	0.003	0.003	0.004	-0.040
LAW1_cHT	243.412	34.542	-0.118	0.002	0.074	0.002	-0.016	0.003	0.001
LAW2_cHT	243.376	34.527	-0.096	0.002	0.057	0.002	-0.004	0.007	0.017
LAW3_cHT	243.331	34.502	-0.063	0.003	0.047	0.003	-0.010	0.007	0.032
LAW4_cHT	243.335	34.454	-0.035	0.002	0.052	0.003	-0.002	0.007	0.028
LAYZ_cHT	243.747	34.610	1.060	0.089	-1.200	0.019	0.516	0.149	-0.348
LAZY_cHT	243.486	34.344	0.050	0.002	0.154	0.002	0.013	0.006	-0.015
LBC1_cHT	241.863	33.832	-0.001	0.000	0.004	0.000	0.000	0.001	0.076
LDES_cHT	243.567	34.267	0.057	0.001	0.179	0.001	0.016	0.002	0.004
LEAC_cHT	243.109	35.535	-0.007	0.004	-0.001	0.002	0.000	0.002	0.000
LEDG_cHT	243.561	34.502	0.015	0.002	0.364	0.002	-0.007	0.007	-0.009
LEEP_cHT	241.678	34.135	-0.002	0.001	0.002	0.001	0.000	0.001	0.004
LFRS_cHT	241.587	34.095	-0.002	0.001	0.001	0.001	-0.002	0.001	-0.003
LINJ_cHT	241.861	34.662	-0.005	0.001	0.001	0.001	-0.001	0.001	0.007
LITT_cHT	243.692	36.746	-0.001	0.001	-0.004	0.001	0.000	0.001	0.000
LLAS_cHT	242.162	34.586	-0.008	0.001	0.004	0.001	0.002	0.002	0.005
LONG_cHT	241.997	34.112	-0.003	0.001	0.002	0.001	-0.003	0.001	-0.005
LORS_cHT	242.246	34.133	-0.003	0.001	0.003	0.001	-0.001	0.001	0.010
LPHS_cHT	242.043	34.027	-0.001	0.001	0.002	0.001	-0.001	0.001	-0.012
LTEJ_cHT	241.197	34.801	-0.007	0.002	0.002	0.002	-0.001	0.002	0.004
LUC2_cHT	243.118	34.439	-0.022	0.005	0.015	0.004	-0.010	0.010	0.017
LUC3_cHT	243.118	34.440	-0.022	0.004	0.016	0.004	-0.007	0.012	-0.013
LUCS_cHT	243.118	34.440	-0.038	0.006	0.023	0.007	-0.006	0.012	-0.021
LVMS_cHT	240.896	34.734	-0.002	0.001	0.001	0.001	-0.001	0.001	-0.003
MATH_cHT	242.563	33.857	0.002	0.001	0.007	0.001	0.003	0.001	0.000
MAUM_cHT	243.542	34.419	0.084	0.003	0.321	0.003	0.006	0.013	-0.018
MCAL_cHT	243.674	34.339	0.051	0.096	0.333	0.054	0.026	0.106	0.389
MCAN_cHT	243.645	34.375	0.054	0.043	0.412	0.011	0.028	0.042	-0.243
MCDS_cHT	241.457	34.202	-0.003	0.002	0.002	0.001	-0.001	0.001	-0.001

MDAY_cHT	242.294	34.743	-0.016	0.003	0.003	0.002	-0.005	0.004	0.009
MEAN_cHT	243.450	34.405	0.028	0.003	0.149	0.003	0.010	0.008	0.005
MEEK_cHT	243.383	34.258	0.033	0.002	0.080	0.003	0.006	0.006	0.005
MERC_cHT	244.021	36.633	-0.001	0.001	-0.004	0.001	0.000	0.002	0.004
MESQ_cHT	243.887	34.193	0.023	0.003	0.059	0.003	0.009	0.011	-0.018
MILU_cHT	242.708	34.281	-0.007	0.003	0.000	0.003	0.000	0.004	0.021
MLFP_cHT	242.682	33.918	0.002	0.001	0.008	0.001	0.004	0.001	0.006
MOJ1_cHT	243.109	35.332	-0.012	0.003	0.000	0.003	-0.002	0.004	0.015
MONP_cHT	243.578	32.892	0.002	0.001	0.005	0.001	0.003	0.001	-0.002
MORR_cHT	243.009	32.274	0.001	0.001	0.003	0.002	0.001	0.002	-0.006
MPWD_cHT	241.122	34.296	-0.002	0.001	0.002	0.001	-0.001	0.001	0.001
MSOB_cHT	242.790	34.231	-0.003	0.001	0.008	0.001	-0.002	0.002	0.037
MVFD_cHT	243.475	33.211	0.004	0.001	0.009	0.001	0.002	0.002	0.005
NASA_cHT	243.429	35.323	-0.010	0.007	-0.012	0.008	0.003	0.005	0.000
NEED_cHT	245.396	34.807	0.006	0.003	-0.002	0.002	-0.002	0.002	-0.007
NOPK_cHT	241.652	33.980	-0.001	0.001	0.001	0.001	-0.001	0.001	0.002
NORT_cHT	241.445	34.233	-0.003	0.002	0.002	0.001	-0.001	0.001	-0.003
NR58_cHT	242.439	33.934	-0.001	0.002	0.005	0.003	0.000	0.002	-0.005
OAKD_cHT	242.402	33.847	0.001	0.002	0.004	0.002	0.001	0.002	-0.009
OAT2_cHT	241.399	34.330	-0.002	0.001	0.000	0.001	-0.001	0.001	0.008
OBCH_cHT	244.499	33.279	0.005	0.002	0.001	0.001	0.000	0.001	-0.002
OCOT_cHT	244.204	32.790	0.002	0.001	0.002	0.002	0.001	0.001	-0.002
OLDD_cHT	243.302	34.391	-0.005	0.002	0.049	0.002	-0.004	0.005	0.019
OLDW_cHT	243.248	34.389	-0.009	0.002	0.032	0.002	0.002	0.004	0.009
ONYX_cHT	243.291	34.193	0.023	0.006	0.051	0.004	0.008	0.013	0.024
OXCO_cHT	241.438	34.179	-0.004	0.002	0.001	0.001	-0.001	0.001	-0.002
PAIN_cHT	243.992	33.612	0.006	0.003	0.013	0.004	0.004	0.004	-0.041
PAOS_cHT	242.294	35.513	-0.009	0.002	0.005	0.002	-0.002	0.003	-0.002
PATW_cHT	240.568	34.960	-0.003	0.002	0.001	0.001	-0.001	0.001	-0.006
PAXU_cHT	243.610	34.153	0.034	0.003	0.125	0.003	0.011	0.011	-0.022
PBB4_cHT	243.827	33.952	0.005	0.003	0.036	0.003	0.013	0.010	0.017
PEAR_cHT	242.078	34.512	-0.006	0.002	0.004	0.002	-0.002	0.003	-0.007
PEGL_cHT	243.701	33.296	0.006	0.003	0.012	0.003	0.004	0.004	-0.021
PHLB_cHT	242.306	34.925	-0.013	0.002	0.004	0.002	-0.005	0.003	0.006
PICO_cHT	241.399	34.331	-0.003	0.002	0.001	0.001	-0.002	0.001	0.002
PIN1_cHT	243.542	33.612	0.005	0.001	0.018	0.001	0.005	0.002	0.005
PIN2_cHT	243.542	33.612	0.005	0.001	0.018	0.001	0.005	0.002	0.006
PIN3_cHT	243.542	33.612	0.003	0.005	0.024	0.006	0.006	0.007	-0.028
PINY_cHT	243.541	33.609	0.005	0.003	0.023	0.003	0.011	0.006	-0.006
PION_cHT	243.152	35.389	0.006	0.004	0.001	0.003	-0.001	0.003	-0.001
PMCN_cHT	243.483	33.571	0.005	0.003	0.013	0.003	0.007	0.006	0.006
PMHS_cHT	241.846	33.903	0.000	0.001	0.002	0.001	-0.001	0.001	0.004
PMOB_cHT	243.140	33.357	0.005	0.001	0.010	0.001	0.001	0.002	0.001
POIN_cHT	243.880	36.580	-0.001	0.001	-0.004	0.001	0.001	0.002	-0.003
PORT_cHT	241.843	35.087	-0.005	0.003	0.001	0.002	-0.003	0.003	-0.029
PPBF_cHT	242.818	33.836	0.004	0.001	0.011	0.001	0.005	0.002	0.005
PSAP_cHT	243.506	33.819	0.010	0.001	0.031	0.001	0.006	0.002	0.000
PT65_cHT	242.932	34.454	-0.027	0.006	0.008	0.004	-0.005	0.009	-0.014
P_42_cHT	243.448	35.426	-0.006	0.002	-0.012	0.002	0.005	0.004	0.041
Q122_cHT	244.491	33.082	0.004	0.002	0.002	0.001	0.000	0.001	0.000
QHTP_cHT	241.755	34.629	-0.005	0.001	0.002	0.001	-0.001	0.002	0.019
R293_cHT	243.152	33.630	0.007	0.003	0.013	0.003	0.008	0.006	0.003
RAIN_cHT	242.792	34.975	-0.026	0.002	0.007	0.002	-0.005	0.004	0.002
RDEC_cHT	243.068	33.468	0.004	0.003	0.013	0.004	0.001	0.005	-0.021
RELA_cHT	243.446	36.715	-0.001	0.001	-0.003	0.001	0.000	0.001	0.001
REPO_cHT	243.532	36.840	0.000	0.001	-0.003	0.001	0.000	0.001	0.002
RESE_cHT	241.512	34.292	-0.005	0.002	0.000	0.001	-0.002	0.002	0.003
RHCL_cHT	241.974	34.019	-0.001	0.001	0.003	0.001	-0.001	0.001	-0.014
RICU_cHT	243.531	34.264	0.052	0.003	0.154	0.003	0.008	0.008	0.034
RLOV_cHT	243.368	32.118	0.001	0.001	0.003	0.002	0.001	0.001	-0.001
ROCH_cHT	243.390	33.611	0.006	0.001	0.019	0.001	0.006	0.002	0.045
ROCK_cHT	241.324	34.236	-0.002	0.001	0.000	0.001	-0.001	0.001	0.020

RSRT_cHT	243.608	33.688	0.013	0.003	0.021	0.003	0.005	0.007	0.009
RSTP_cHT	241.807	34.875	-0.006	0.001	0.002	0.001	-0.003	0.002	-0.004
RTHS_cHT	242.647	34.089	0.001	0.001	0.006	0.001	-0.001	0.001	0.006
RVAL_cHT	244.598	35.142	-0.005	0.002	-0.012	0.002	0.005	0.004	0.000
RYAN_cHT	243.350	36.316	0.000	0.001	-0.004	0.001	-0.003	0.001	-0.003
SACY_cHT	242.104	33.743	-0.001	0.000	0.007	0.000	0.001	0.001	-0.004
SAEC_cHT	241.439	34.693	-0.004	0.002	0.002	0.002	-0.002	0.002	0.004
SALT_cHT	244.184	33.431	0.006	0.002	0.004	0.002	0.001	0.002	0.003
SALY_cHT	243.785	34.441	0.018	0.005	-0.018	0.005	0.378	0.026	0.054
SAND_cHT	243.721	34.255	0.046	0.002	0.218	0.002	0.011	0.004	0.009
SANO_cHT	242.487	34.018	-0.002	0.002	0.008	0.003	0.001	0.002	-0.015
SCIA_cHT	242.612	34.607	-0.017	0.001	0.005	0.001	-0.004	0.001	0.003
SCMS_cHT	242.365	33.444	0.002	0.001	0.004	0.001	0.004	0.001	0.001
SCP1_cHT	243.994	34.267	0.123	0.003	-0.055	0.003	-0.006	0.008	0.049
SCP2_cHT	244.031	34.419	0.298	0.015	-0.093	0.004	-0.014	0.013	0.120
SCP4_cHT	243.814	34.348	0.073	0.003	0.398	0.003	-0.031	0.008	-0.080
SCP5_cHT	243.763	34.432	-0.254	0.003	0.837	0.003	-0.084	0.011	0.041
SCP6_cHT	243.655	34.407	0.062	0.003	0.527	0.003	0.025	0.010	-0.023
SD07_cHT	243.363	33.388	0.005	0.005	0.015	0.009	0.005	0.005	0.000
SD15_cHT	243.402	33.074	0.003	0.003	0.010	0.005	0.003	0.003	0.000
SD17_cHT	242.852	32.818	0.001	0.002	0.009	0.003	0.003	0.002	-0.017
SD18_cHT	243.069	32.912	0.005	0.002	0.005	0.003	0.003	0.003	-0.018
SD21_cHT	243.381	32.824	0.001	0.002	0.010	0.002	0.003	0.003	-0.015
SD33_cHT	243.171	32.670	0.002	0.002	0.006	0.004	0.002	0.002	0.000
SD34_cHT	243.101	33.294	0.005	0.004	0.012	0.007	0.004	0.004	0.000
SDG6_cHT	243.297	33.382	0.004	0.002	0.013	0.002	0.008	0.004	-0.007
SGPS_cHT	243.304	33.913	0.015	0.001	0.033	0.001	0.010	0.003	-0.016
SHOS_cHT	243.701	35.971	-0.003	0.001	-0.006	0.001	0.000	0.002	-0.005
SIBE_cHT	243.984	34.624	0.141	0.002	-0.136	0.002	0.007	0.003	0.002
SILV_cHT	243.709	35.397	-0.010	0.001	-0.020	0.001	-0.002	0.003	0.005
SIO2_cHT	242.748	32.867	0.003	0.001	0.005	0.002	-0.001	0.002	0.005
SIO3_cHT	242.750	32.865	0.002	0.001	0.005	0.001	-0.001	0.001	-0.006
SIPH_cHT	244.322	33.427	0.003	0.002	0.003	0.002	0.000	0.002	0.002
SKUL_cHT	243.789	36.730	-0.001	0.001	-0.003	0.001	0.000	0.001	0.000
SLMS_cHT	244.022	33.292	0.003	0.001	0.006	0.001	0.001	0.002	0.004
SMYC_cHT	244.413	36.320	-0.002	0.001	-0.006	0.001	-0.001	0.002	-0.006
SNHS_cHT	242.071	33.927	-0.001	0.001	0.002	0.001	0.000	0.001	0.007
SOAP_cHT	243.019	34.904	-0.043	0.002	0.018	0.002	-0.014	0.007	-0.022
SPMS_cHT	242.151	33.993	-0.001	0.001	0.003	0.001	-0.002	0.001	0.004
SPRN_cHT	243.331	35.670	-0.004	0.003	-0.007	0.004	0.002	0.003	0.000
STCH_cHT	243.688	34.635	0.491	0.015	-1.098	0.009	-0.021	0.037	-0.366
STG1_cHT	242.751	32.697	0.002	0.002	0.004	0.003	0.002	0.002	0.000
STG2_cHT	242.751	32.697	0.002	0.002	0.006	0.003	0.002	0.002	0.000
STRI_cHT	243.662	36.645	-0.001	0.001	-0.003	0.001	0.000	0.001	-0.004
STSP_cHT	243.709	35.633	-0.005	0.006	-0.015	0.009	0.005	0.006	0.000
S_31_cHT	244.230	33.427	0.005	0.003	0.005	0.003	0.001	0.002	0.002
TABL_cHT	242.322	34.382	-0.007	0.001	0.002	0.001	-0.002	0.002	-0.018
TIVA_cHT	243.770	36.935	-0.001	0.001	-0.003	0.001	0.000	0.001	0.001
TOM2_cHT	243.358	33.925	0.024	0.004	0.045	0.004	0.009	0.012	-0.058
TOME_cHT	243.320	33.619	0.007	0.003	0.020	0.003	0.004	0.007	0.011
TOST_cHT	241.163	34.248	-0.002	0.001	0.001	0.001	0.000	0.001	0.008
TRAK_cHT	242.197	33.618	0.001	0.001	0.004	0.001	0.001	0.001	0.002
TRAN_cHT	244.166	33.429	0.001	0.002	0.005	0.003	0.002	0.002	0.013
TRN1_cHT	242.672	35.813	-0.006	0.002	0.002	0.001	-0.001	0.002	0.008
TROP_cHT	241.794	34.992	-0.008	0.002	0.002	0.002	0.000	0.003	0.020
TROY_cHT	243.469	34.839	-0.116	0.002	0.056	0.002	-0.008	0.004	0.004
TTAP_cHT	242.136	34.985	-0.009	0.002	0.004	0.002	-0.006	0.004	0.008
U471_cHT	242.697	34.112	-0.002	0.003	0.010	0.005	0.001	0.003	-0.003
UCLP_cHT	241.558	34.069	-0.002	0.001	0.001	0.001	0.000	0.001	0.019
USC1_cHT	241.715	34.024	-0.002	0.001	0.002	0.001	0.000	0.001	0.002
USGC_cHT	243.915	33.030	0.003	0.001	0.005	0.001	0.002	0.002	0.002
V511_cHT	242.134	36.061	-0.005	0.002	-0.001	0.001	-0.001	0.001	0.004

VA01_cHT	243.442	32.245	0.001	0.001	0.004	0.002	0.001	0.001	0.002
VEN1_cHT	243.208	35.248	-0.009	0.003	0.004	0.002	-0.002	0.005	0.000
VNCX_cHT	241.515	34.293	-0.002	0.001	0.001	0.001	-0.002	0.001	0.007
VNPS_cHT	241.879	34.501	-0.004	0.001	0.002	0.001	-0.002	0.002	-0.005
VYAS_cHT	242.008	34.031	-0.001	0.001	0.002	0.001	-0.001	0.001	-0.011
WCHS_cHT	242.089	34.062	-0.002	0.001	0.002	0.001	0.000	0.001	0.008
WD91_cHT	243.288	33.714	0.013	0.003	0.024	0.003	0.010	0.006	-0.003
WDW1_cHT	242.746	32.701	0.002	0.002	0.004	0.003	0.002	0.002	0.000
WDW2_cHT	242.746	32.700	0.002	0.002	0.006	0.003	0.002	0.002	0.000
WHC1_cHT	241.969	33.980	-0.001	0.001	0.002	0.001	0.000	0.001	0.004
WHEC_cHT	241.257	34.568	-0.006	0.002	0.001	0.001	-0.002	0.002	0.008
WIDC_cHT	243.608	33.935	0.015	0.001	0.052	0.001	0.005	0.002	0.004
WKPK_cHT	241.258	34.568	-0.003	0.002	0.001	0.001	-0.002	0.002	0.011
WLR3_cHT	242.808	35.621	-0.007	0.004	0.002	0.002	-0.002	0.002	0.000
WLSN_cHT	241.944	34.226	-0.005	0.001	0.002	0.001	-0.004	0.001	0.021
WMAP_cHT	241.586	34.259	-0.004	0.002	0.000	0.000	-0.001	0.001	0.000
WOMT_cHT	243.068	34.669	-0.063	0.001	0.017	0.001	-0.014	0.006	-0.052
XERO_cHT	243.980	34.266	0.122	0.036	-0.030	0.025	-0.013	0.029	0.392
YUNG_cHT	242.855	33.430	0.008	0.003	0.011	0.003	0.005	0.004	-0.030
			2003 San Simeon						
0507_cSM	238.971	35.512	0.082	0.021	0.168	0.019	-0.011	0.030	0.074
0508_cSM	239.201	35.855	-0.029	0.003	-0.052	0.003	-0.002	0.011	0.053
0510_cSM	239.184	36.188	-0.003	0.002	-0.010	0.002	0.000	0.004	0.048
ALMO_cSM	239.547	35.552	-0.001	0.001	0.000	0.001	-0.004	0.002	0.003
BITT_cSM	239.018	36.417	-0.001	0.002	-0.005	0.003	0.000	0.002	0.000
BLAN_cSM	238.716	35.665	0.012	0.005	0.002	0.004	-0.009	0.005	0.005
BLHL_cSM	239.168	35.359	0.003	0.002	0.033	0.002	-0.006	0.005	-0.040
CALL_cSM	238.936	36.610	-0.001	0.001	-0.003	0.002	0.000	0.001	0.000
CAND_cSM	239.566	35.939	-0.009	0.001	-0.010	0.001	-0.002	0.001	0.037
CARH_cSM	239.569	35.888	-0.010	0.001	-0.009	0.001	-0.004	0.002	0.028
CHLN_cSM	238.805	36.448	0.000	0.001	-0.003	0.002	0.000	0.001	0.000
CRBT_cSM	239.249	35.792	-0.039	0.001	-0.051	0.001	-0.006	0.002	0.030
CRVO_cSM	239.519	36.445	-0.003	0.002	-0.005	0.003	0.001	0.002	0.000
CVM1_cSM	239.420	36.473	-0.002	0.002	-0.005	0.003	0.001	0.002	0.000
GRIS_cSM	239.271	36.503	-0.002	0.002	-0.005	0.003	0.000	0.002	0.000
HEPS_cSM	239.175	36.315	-0.002	0.003	-0.008	0.005	0.000	0.003	0.000
HOGS_cSM	239.521	35.867	-0.013	0.001	-0.011	0.001	0.000	0.002	0.017
HUNT_cSM	239.598	35.881	-0.009	0.001	-0.009	0.001	-0.002	0.002	0.042
LAND_cSM	239.527	35.900	-0.013	0.001	-0.011	0.001	-0.001	0.001	0.034
LEY__cSM	239.106	36.453	-0.001	0.002	-0.005	0.003	0.000	0.002	0.000
LOWS_cSM	239.406	35.829	-0.019	0.001	-0.020	0.001	-0.002	0.002	0.027
MASW_cSM	239.557	35.833	-0.011	0.001	-0.009	0.001	-0.003	0.001	0.031
MIDA_cSM	239.541	35.922	-0.012	0.001	-0.011	0.001	-0.005	0.002	0.007
MNMC_cSM	239.566	35.969	-0.009	0.001	-0.010	0.001	-0.003	0.002	0.030
PKDB_cSM	239.458	35.945	-0.014	0.001	-0.015	0.001	0.002	0.002	-0.004
POMM_cSM	239.522	35.920	-0.012	0.001	-0.012	0.001	-0.002	0.001	0.035
RNCH_cSM	239.475	35.900	-0.009	0.001	-0.011	0.001	-0.002	0.002	0.029
SHAD_cSM	239.318	36.030	-0.015	0.004	-0.017	0.004	0.001	0.007	-0.013
SMOK_cSM	239.000	36.537	-0.001	0.001	-0.004	0.002	0.000	0.001	0.000
SWTR_cSM	239.077	36.228	-0.002	0.003	-0.010	0.006	0.000	0.003	0.000
TBLP_cSM	239.640	35.917	-0.007	0.001	-0.005	0.001	-0.002	0.002	0.026
TESS_cSM	239.302	35.386	0.007	0.002	0.005	0.002	-0.006	0.004	0.002
TUM__cSM	239.335	36.611	-0.001	0.002	-0.004	0.003	0.001	0.001	0.000
USLO_cSM	239.339	35.312	0.001	0.001	0.006	0.001	-0.003	0.002	0.039

Table 2. Present day station velocities.

L# Station	Long	Lat	Ve	Vn	dVe	dVn	Cen	Vu	dVu	Obs. Time Span	Obs. Length
			mm/yr	mm/yr	mm/yr	mm/yr		mm/yr	mm/yr		year
.. SAND7280	199.5245	55.3523	-2.77	-4.45	2.49	2.58	-0.01	9.66	8.45	VLBI data	
.. FAIR_GPS	212.5008	64.9780	0.87	-2.98	1.06	1.14	0.03	-5.55	2.70	1991.0918 -- 2002.8542	11.7624
.. WHIT_GPS	224.7779	60.7505	1.69	3.12	0.91	0.99	0.03	-3.17	2.46	1996.5068 -- 2004.7398	8.2330
.. CABL_GPS	235.4367	42.8361	6.40	14.10	0.93	0.99	-0.08	-0.26	2.55	1999.0589 -- 2004.7398	5.6809

.. CME1_GPS 235.6037 40.4418 -8.11 31.02 0.92 0.98 -0.11 -4.96 2.43 1997.3493 -- 2004.5922 7.2429
.. P229_GPS 235.6281 40.3924 -9.63 30.87 0.93 0.99 -0.11 0.31 2.73 1992.4850 -- 2004.5922 12.1072
.. PTSG_GPS 235.7448 41.7827 3.20 11.90 0.96 1.03 -0.08 -0.93 2.67 1999.8205 -- 2004.7398 4.9193
.. TRND_GPS 235.8491 41.0539 3.27 16.99 0.98 1.04 -0.09 -3.48 2.72 2000.6688 -- 2004.7398 4.0710
.. NEWP_GPS 235.9381 44.5850 7.88 9.79 0.90 0.97 -0.07 -1.84 2.51 1999.0589 -- 2004.7398 5.6809
.. CHZZ_GPS 236.0219 45.4865 7.18 9.13 0.92 0.99 -0.05 -1.23 2.62 1999.8041 -- 2004.7398 4.9357
.. ALBH_GPS 236.5125 48.3898 5.45 4.26 0.76 0.84 -0.05 -1.46 2.05 1992.4850 -- 2004.7398 12.2548
.. PGC0_GPS 236.5489 48.6486 2.59 3.29 2.54 1.45 0.08 -30.13 4.43 1990.2469 -- 1995.7247 5.4777
.. CORV_GPS 236.6954 44.5855 4.09 6.35 0.91 0.97 -0.07 -0.75 2.55 1999.0589 -- 2004.5922 5.5333
.. DDSN_GPS 236.7558 43.1188 1.09 8.52 1.11 1.17 -0.05 -2.04 3.40 2002.5384 -- 2004.7398 2.2015
.. HOPB_GPS 236.9253 38.9952 -18.33 21.36 0.90 0.95 -0.12 -2.06 2.33 1995.7247 -- 2004.5922 8.8676
.. PTRB_GPS 236.9813 37.9962 -25.50 35.99 0.97 1.01 -0.11 -3.12 2.55 1998.6534 -- 2004.5922 5.9388
.. FARB_GPS 236.9992 37.6972 -27.55 37.82 0.91 0.96 -0.13 -1.95 2.30 1994.1881 -- 2004.5922 10.4041
.. YBHB_GPS 237.2893 41.7317 -2.02 6.97 0.87 0.93 -0.10 -1.30 2.34 1996.8128 -- 2004.5922 7.7794
.. TIBB_GPS 237.5524 37.8909 -18.02 24.86 0.91 0.95 -0.13 -2.99 2.29 1994.4781 -- 2004.5922 10.1141
.. MOLA_GPS 237.5801 37.9466 -17.76 23.43 0.94 0.98 -0.12 -2.04 2.48 1995.3027 -- 2002.2726 6.9699
.. PBL2_GPS 237.5806 37.8532 -17.88 24.93 1.12 1.17 -0.08 -8.28 3.42 1999.2699 -- 2003.1164 3.8466
.. PBL1_GPS 237.5811 37.8531 -22.08 22.21 0.93 0.97 -0.12 -2.95 2.39 1995.7247 -- 2003.5849 7.8603
.. PPT1_GPS 237.6100 37.1871 -28.02 35.88 0.94 0.97 -0.13 -2.72 2.40 1996.5068 -- 2004.5922 8.0854
.. OHLN_GPS 237.7270 38.0063 -14.56 18.13 1.23 1.26 -0.07 -1.69 3.69 2002.6616 -- 2004.5922 1.9306
.. SUAA_GPS 237.8267 37.4269 -21.47 25.82 0.93 0.96 -0.13 -0.91 2.38 1994.3822 -- 2003.1164 8.7342
.. WILL_GPS 237.8322 52.2369 0.74 0.60 0.74 0.81 -0.01 0.27 2.03 1996.2609 -- 2004.7398 8.4789
.. BRIB_GPS 237.8474 37.9194 -14.12 16.17 0.90 0.94 -0.13 -0.03 2.28 1993.6753 -- 2004.5922 10.9169
.. WINT_GPS 237.8594 37.6526 -18.08 21.84 0.90 0.94 -0.13 -0.60 2.27 1993.6753 -- 2004.7398 11.0645
.. CHAB_GPS 237.8807 37.7241 -15.20 18.96 0.91 0.95 -0.13 -1.68 2.33 1995.5301 -- 2004.5922 9.0621
.. POTB_GPS 238.0646 38.2026 -10.32 8.67 0.96 1.00 -0.11 -3.89 2.58 1998.9658 -- 2004.5922 5.6265
.. SOBR_GPS 238.0712 36.4486 -29.28 38.40 1.51 1.44 -0.05 8.29 6.25 1995.6452 -- 1997.8315 2.1863
.. SODB_GPS 238.0745 37.1664 -20.83 26.32 0.99 1.03 -0.11 -2.00 2.66 1999.4022 -- 2004.5922 5.1900
.. DIAB_GPS 238.0844 37.8786 -11.22 11.54 0.95 0.99 -0.11 0.07 2.53 1998.5219 -- 2004.5922 6.0703
.. 3450_GPS 238.1073 36.6015 -26.87 37.04 1.09 1.10 -0.10 -3.82 3.57 1991.3905 -- 1998.6178 7.2273
.. MONB_GPS 238.1331 37.4853 -14.99 16.28 0.95 0.99 -0.12 -2.05 2.49 1998.6178 -- 2004.7398 6.1220
.. LUTZ_GPS 238.1348 37.2869 -19.11 23.17 0.93 0.96 -0.12 -1.72 2.39 1996.3921 -- 2004.5922 8.2001
.. MOLR_GPS 238.1485 36.2879 -27.39 36.73 1.43 1.42 -0.06 -14.66 6.26 1995.6452 -- 1997.8315 2.1863
.. HUSB_GPS 238.1506 44.1195 -2.15 10.95 1.10 1.16 -0.04 12.14 3.42 2002.5384 -- 2004.7398 2.2015
.. SUTB_GPS 238.1794 39.2058 -10.19 6.88 0.91 0.95 -0.11 -2.90 2.40 1997.3493 -- 2004.5922 7.2429
.. FEIF_GPS 238.1864 36.2355 -27.55 37.52 1.47 1.42 -0.05 2.96 6.04 1995.6452 -- 1997.8315 2.1863
.. FARN_GPS 238.2047 36.4389 -28.00 34.57 1.91 1.83 -0.23 -14.08 12.09 1995.6452 -- 1997.8315 2.1863
.. FTOR7266 238.2267 36.6698 -27.81 35.99 1.31 1.43 -0.11 5.46 7.05 VLBI data
07 BRU2_GPS 238.2272 36.5898 -28.25 36.35 0.93 0.95 -0.14 -1.74 2.59 1993.2945 -- 2001.8726 8.5781
07 ORDS_GPS 238.2278 36.5894 -28.25 36.35 0.93 0.95 -0.14 -13.11 3.14 1990.2469 -- 1997.8315 7.5846
.. FORD72LP 238.2279 36.5894 -27.14 41.58 1.69 1.95 0.02 24.73 10.67 VLBI data
.. UCD1_GPS 238.2488 38.5362 -9.97 7.65 0.91 0.95 -0.12 -9.68 2.38 1996.8839 -- 2004.5922 7.7083
.. CHO1_GPS 238.3350 39.4326 -10.06 6.91 0.96 1.00 -0.10 -2.40 2.61 1999.6342 -- 2004.5922 4.9580
.. MHCB_GPS 238.3574 37.3415 -11.08 10.92 0.92 0.96 -0.12 -0.90 2.37 1996.5068 -- 2004.5922 8.0854
.. OROT_GPS 238.3718 36.5401 -25.75 35.06 1.57 1.61 -0.05 -18.12 7.93 1995.6452 -- 1997.8315 2.1863
.. GAMB_GPS 238.4227 36.0551 -25.22 34.53 1.56 1.51 -0.04 -16.74 6.53 1995.6452 -- 1997.8315 2.1863
.. CHWY_GPS 238.4318 36.3122 -23.89 36.94 1.66 1.64 -0.04 -22.99 7.69 1995.6452 -- 1997.8315 2.1863
.. S300_GPS 238.4417 37.6665 -10.65 9.02 1.03 1.06 -0.10 -0.04 2.84 1999.4022 -- 2003.3219 3.9197
.. ORVB_GPS 238.4997 39.5546 -9.96 6.76 0.89 0.94 -0.11 -2.13 2.36 1997.1603 -- 2004.5922 7.4319
.. 0509_GPS 238.5156 35.9922 -27.69 35.62 0.95 0.97 -0.13 -2.93 2.55 1991.3905 -- 2004.5922 13.2017
.. HATCREEK 238.5295 40.8173 -5.16 5.23 1.01 1.06 -0.08 6.86 3.35 VLBI data
.. SAOB_GPS 238.5528 36.7653 -28.85 35.42 0.94 0.97 -0.12 0.16 2.42 1997.5822 -- 2004.7398 7.1576
.. 05VE_GPS 238.5710 36.4933 -28.27 35.05 1.02 1.04 -0.11 -1.00 3.07 1993.6753 -- 2002.6616 8.9863
.. 0512_GPS 238.6770 36.4203 -26.84 36.16 0.98 0.99 -0.12 -2.89 2.76 1991.3905 -- 2002.6616 11.2711
.. BLAN_GPS 238.7155 35.6646 -28.68 36.85 0.97 0.99 -0.13 -0.68 2.31 1987.0169 -- 2004.2363 17.2194
.. CNDR_GPS 238.7215 37.8964 -11.69 8.18 0.97 1.00 -0.11 -5.49 2.61 1999.3630 -- 2004.5922 5.2292
.. MDMT_GPS 238.7784 42.4183 -5.87 7.64 1.29 1.30 -0.07 -14.88 4.11 2002.5384 -- 2004.7398 2.2015
.. OSI2_GPS 238.7988 36.2940 -27.92 36.15 1.35 1.20 -0.09 -9.39 4.75 1993.6753 -- 2003.1164 9.4411
.. CHLN_GPS 238.8045 36.4476 -26.74 33.63 1.06 1.13 -0.10 -0.73 2.99 1998.9247 -- 2004.5922 5.6676
.. PM26_GPS 238.8161 36.5714 -28.01 35.10 1.15 1.20 -0.09 -2.99 4.67 1997.5082 -- 2002.6616 5.1534
.. REDM_GPS 238.8521 44.2598 0.84 3.25 0.87 0.93 -0.07 -2.61 2.43 1999.0589 -- 2004.7398 5.6809
.. CALL_GPS 238.9359 36.6095 -11.90 9.61 1.03 1.10 -0.10 11.87 2.83 1998.9247 -- 2004.5922 5.6676
.. 0507_GPS 238.9708 35.5122 -28.58 36.57 2.10 1.88 0.03 -3.93 3.63 1991.3905 -- 2004.5922 13.2017
.. VIL2_GPS 238.9937 35.4676 -24.72 37.30 1.49 1.54 -0.09 11.24 6.18 1991.3905 -- 1996.3921 5.0016
.. villa_2_ 238.9937 35.4676 -29.23 33.68 1.36 2.49 0.34 0.00 3.54 EDM data
.. SMOK_GPS 238.9995 36.5373 -8.30 9.80 1.04 1.12 -0.10 -4.00 2.82 1998.9247 -- 2004.5922 5.6676
.. 05UH_GPS 239.0035 36.4097 -10.89 14.00 1.26 1.07 -0.13 -5.26 3.46 1993.6753 -- 2003.1164 9.4411
.. BITT_GPS 239.0181 36.4167 -8.13 16.36 1.10 1.23 -0.09 -15.10 3.20 1998.9247 -- 2004.5922 5.6676
67 QUIN7221 239.0556 39.9746 -7.65 6.09 1.02 1.07 -0.08 3.99 4.48 VLBI data
67 QUIN_GPS 239.0556 39.9746 -8.26 6.58 0.83 0.87 -0.12 -2.25 2.15 1991.4863 -- 2004.5922 13.1059
.. SWTR_GPS 239.0767 36.2275 -26.90 33.33 1.20 1.53 -0.07 -2.69 3.01 1998.9247 -- 2004.5922 5.6676
.. LEY__GPS 239.1056 36.4530 -8.38 11.45 1.07 1.19 -0.09 -1.49 2.84 1998.9247 -- 2004.5922 5.6676
72 blhllres 239.1683 35.3586 -27.33 34.92 1.09 1.28 -0.14 5.30 4.75 EDM data
72 BLHL_GPS 239.1683 35.3587 -27.55 35.13 0.92 0.94 -0.14 -0.77 2.29 1987.0169 -- 2004.1680 17.1511
.. HEPS_GPS 239.1753 36.3146 -8.33 11.44 1.14 1.36 -0.07 -3.83 2.85 1998.9247 -- 2004.5922 5.6676

.. 0510_GPS 239.1839 36.1883 -27.21 31.39 0.99 0.99 -0.12 -0.49 2.57 1991.3905 -- 2004.5922 13.2017
.. GOBS_GPS 239.1853 45.8388 2.60 2.48 0.85 0.91 -0.06 -3.03 2.41 1999.0589 -- 2004.7398 5.6809
.. 0508_GPS 239.2007 35.8548 -25.91 33.17 0.96 0.99 -0.12 -1.96 2.62 1991.3905 -- 2004.5922 13.2017
.. CRBT_GPS 239.2492 35.7916 -26.09 31.47 1.09 1.11 -0.10 -0.59 3.08 2001.7849 -- 2004.7398 2.9549
.. prospect 239.2495 35.4723 -26.98 34.32 1.15 1.38 0.11 0.00 5.00 EDM data
.. GRIS_GPS 239.2710 36.5034 -8.61 10.70 1.09 1.21 -0.08 -1.27 2.99 1998.9247 -- 2004.5922 5.6676
C1 montosa_ 239.2924 35.9489 -23.93 33.40 1.08 1.30 -0.20 -0.41 4.97 EDM data
C1 TOSA_GPS 239.2924 35.9489 -24.03 33.47 0.93 0.96 -0.14 -0.71 2.46 1992.3075 -- 2003.3219 11.0144
A1 TESS_GPS 239.3024 35.3858 -26.70 33.60 0.95 0.97 -0.14 -0.61 2.54 1991.3905 -- 2004.1680 12.7775
A1 tess____ 239.3024 35.3858 -27.50 33.59 1.04 1.11 -0.22 -0.50 4.76 EDM data
44 shade___ 239.3175 36.0297 -25.07 33.48 0.91 0.95 -0.12 0.18 4.91 EDM data
44 SHAD_GPS 239.3175 36.0297 -25.07 33.48 0.91 0.95 -0.12 -6.81 3.57 1998.9247 -- 2004.5922 5.6676
44 SHR2_GPS 239.3176 36.0297 -25.07 33.48 0.91 0.95 -0.12 -1.77 2.45 1992.3075 -- 2003.3219 11.0144
.. HARV_GPS 239.3179 34.4694 -30.84 34.59 0.94 0.95 -0.14 -8.16 2.29 1992.6738 -- 2004.7398 12.0660
.. TUM__GPS 239.3347 36.6111 -8.68 9.76 1.06 1.14 -0.09 0.40 2.95 1998.9247 -- 2004.5922 5.6676
.. USLO_GPS 239.3389 35.3118 -27.44 34.39 1.04 1.06 -0.11 -0.96 2.79 2000.8975 -- 2004.7398 3.8423
.. RUS1_GPS 239.3730 34.5708 -30.52 36.00 1.82 1.64 -0.05 0.89 5.76 1990.1739 -- 1994.1881 4.0143
.. ALVA_GPS 239.3830 34.5927 -32.16 33.87 1.74 1.56 -0.04 6.79 5.26 1990.1739 -- 1994.1881 4.0143
.. VNDN7223 239.3836 34.5561 -29.00 36.81 1.18 1.19 -0.09 8.05 3.64 VLBI data
54 VAND_GPS 239.3836 34.5561 -30.41 34.27 0.92 0.93 -0.15 3.24 4.15 1991.3905 -- 1995.6452 4.2547
.. VNDN72LP 239.3836 34.5561 -32.71 36.39 1.65 1.81 -0.04 0.61 9.55 VLBI data
54 VNDP_GPS 239.3836 34.5563 -30.41 34.27 0.92 0.93 -0.15 -0.97 2.28 1992.2339 -- 2004.7398 12.5059
54 VNDN_GPS 239.3838 34.5563 -30.41 34.27 0.92 0.93 -0.15 0.90 2.71 1986.4657 -- 1994.1881 7.7224
.. LOSP_GPS 239.3938 34.8937 -29.35 34.30 1.06 1.04 -0.11 2.40 3.05 1987.0169 -- 1994.1881 7.1712
.. airway__ 239.3950 35.3251 -28.74 31.61 1.09 1.09 -0.17 0.32 4.95 EDM data
C2 MITH_GPS 239.4040 36.0789 -8.68 14.69 0.93 0.95 -0.13 2.14 2.43 1992.3075 -- 2003.3219 11.0144
C2 mith____ 239.4040 36.0789 -8.87 15.51 1.11 1.10 -0.12 0.26 3.51 EDM data
.. LOWS_GPS 239.4057 35.8287 -24.58 31.32 1.07 1.09 -0.10 0.34 2.98 2001.6726 -- 2004.7398 3.0672
.. 0505_GPS 239.4158 35.0842 -28.84 33.66 0.98 1.00 -0.12 -1.08 2.71 1991.3905 -- 2001.8726 10.4821
C3 CHEC_GPS 239.4159 35.9704 -23.83 32.26 0.93 0.95 -0.13 0.74 2.46 1992.3075 -- 2003.3219 11.0144
C3 cholame_ 239.4181 35.9712 -24.29 33.13 0.97 1.09 -0.03 -0.01 3.51 EDM data
.. CVM1_GPS 239.4201 36.4735 -8.42 10.68 1.09 1.20 -0.09 -2.80 2.92 1998.9247 -- 2004.5922 5.6676
A0 BARR_GPS 239.4268 35.4557 -26.14 32.61 0.95 0.97 -0.13 -3.09 2.63 1991.3905 -- 2003.2616 11.8711
A0 barren__ 239.4268 35.4557 -26.20 30.94 1.02 1.06 -0.22 0.62 4.95 EDM data
54 VAN1_GPS 239.4365 34.8266 -29.86 33.88 0.97 0.98 -0.13 -1.05 2.59 1999.2699 -- 2004.7398 5.4699
54 VAN2_GPS 239.4367 34.8265 -29.86 33.88 0.97 0.98 -0.13 -5.12 3.39 2000.0697 -- 2002.5384 2.4687
.. PKDB_GPS 239.4584 35.9452 -23.00 30.79 0.95 0.97 -0.13 -1.01 2.44 1996.7199 -- 2004.7398 8.0199
.. JD84_GPS 239.4596 35.9566 -23.89 32.35 0.94 0.96 -0.13 -0.34 2.48 1992.3075 -- 2003.2616 10.9542
A6 buckhill 239.4627 35.9250 -22.70 32.17 0.98 1.07 -0.10 0.27 3.49 EDM data
A6 BUCK_GPS 239.4628 35.9250 -23.24 31.93 0.97 0.99 -0.12 -0.91 2.77 1992.3075 -- 2001.4315 9.1240
.. SOVF_GPS 239.4746 34.6086 -31.15 36.14 2.34 2.05 -0.03 3.79 8.23 1992.2339 -- 1994.1881 1.9542
.. RNCH_GPS 239.4752 35.9000 -26.07 28.01 1.07 1.09 -0.10 -0.48 3.01 2001.6726 -- 2004.7398 3.0672
.. mid_f___ 239.4792 35.9202 -21.47 29.36 0.95 1.13 -0.17 -2.16 3.50 EDM data
.. MIDE_GPS 239.5017 35.9496 -21.80 25.05 0.94 0.96 -0.13 -1.15 2.45 1992.3075 -- 2003.3219 11.0144
.. FARF_GPS 239.5048 34.7665 -30.16 35.31 0.97 0.98 -0.13 0.70 2.50 1992.2339 -- 2003.2616 11.0277
.. GREE_GPS 239.5089 35.4008 -29.85 31.78 2.26 1.99 -0.00 0.60 9.02 1991.3905 -- 1994.2644 2.8739
.. CRVO_GPS 239.5192 36.4455 -8.13 11.47 1.15 1.24 -0.08 -2.16 3.33 1998.9247 -- 2004.5922 5.6676
.. HOGS_GPS 239.5205 35.8667 -22.51 29.40 1.09 1.11 -0.09 -0.06 3.10 2001.6726 -- 2004.7398 3.0672
.. POMM_GPS 239.5216 35.9199 -21.43 28.44 0.99 1.01 -0.12 0.03 2.59 1999.6699 -- 2004.7398 5.0699
.. gastro__ 239.5222 36.0008 -8.82 22.07 1.03 1.09 -0.03 1.33 3.52 EDM data
.. pitt____ 239.5233 35.9246 -25.48 26.58 2.06 1.38 -0.18 0.00 5.00 EDM data
.. flattop_ 239.5263 35.8644 -23.72 29.76 1.07 1.14 -0.07 -0.26 4.97 EDM data
.. LAND_GPS 239.5267 35.8998 -22.02 29.42 0.99 1.01 -0.12 0.19 2.58 1999.6699 -- 2004.7398 5.0699
A4 wild____ 239.5308 35.7633 -22.80 30.69 0.95 0.98 -0.13 0.10 4.99 EDM data
A4 WD42_GPS 239.5308 35.7633 -23.03 30.52 0.96 0.98 -0.13 0.73 2.65 1992.3075 -- 2001.4315 9.1240
.. 33JD_GPS 239.5353 35.9429 -11.45 19.09 0.95 0.97 -0.13 0.34 2.60 1992.7281 -- 2003.2616 10.5335
A7 break___ 239.5375 35.8877 -21.73 29.47 0.97 1.06 -0.05 -0.31 4.44 EDM data
A7 BREK_GPS 239.5375 35.8877 -21.82 29.83 0.93 0.95 -0.13 -1.63 2.48 1992.3075 -- 2003.2616 10.9542
.. MIDA_GPS 239.5412 35.9219 -10.86 19.77 1.00 1.02 -0.11 -0.36 2.63 1999.6699 -- 2004.7398 5.0699
90 ALMO_GPS 239.5469 35.5518 -24.47 31.75 0.92 0.94 -0.14 -1.04 2.34 1989.9056 -- 2004.1680 14.2624
90 almond__ 239.5469 35.5518 -24.55 30.05 0.99 0.98 -0.20 0.31 3.46 EDM data
24 MASW_GPS 239.5569 35.8326 -21.83 29.57 0.91 0.93 -0.14 0.85 2.94 2001.6726 -- 2004.7398 3.0672
24 MASO_GPS 239.5570 35.8326 -21.83 29.57 0.91 0.93 -0.14 -0.58 2.42 1992.3075 -- 2003.2616 10.9542
24 mason___ 239.5570 35.8326 -22.32 29.67 0.91 0.94 -0.12 0.74 4.94 EDM data
.. OQUI_GPS 239.5578 35.8850 -22.27 29.12 0.94 0.96 -0.13 1.03 2.50 1992.7281 -- 2003.2616 10.5335
24 cobra___ 239.5621 35.8352 -22.30 28.93 1.03 1.04 -0.09 0.67 4.89 EDM data
.. JOAQ_GPS 239.5648 35.9094 -13.40 19.76 0.94 0.96 -0.13 -0.34 2.49 1992.7281 -- 2003.2616 10.5335
27 mine_mt_ 239.5651 35.9694 -9.45 19.49 0.92 0.96 -0.10 0.14 2.82 EDM data
27 MNMT_GPS 239.5651 35.9694 -9.85 18.01 0.92 0.94 -0.13 1.44 2.60 1992.3075 -- 2003.2616 10.9542
27 MNMC_GPS 239.5659 35.9695 -9.85 18.01 0.92 0.94 -0.13 2.02 2.96 2001.6726 -- 2004.7398 3.0672
.. CAND_GPS 239.5663 35.9394 -11.54 18.76 0.99 1.01 -0.12 0.38 2.58 1999.6342 -- 2004.7398 5.1056
09 CARR_GPS 239.5692 35.8884 -20.35 28.71 0.88 0.90 -0.15 0.31 2.28 1992.3075 -- 2003.3219 11.0144
.. CARH_GPS 239.5692 35.8884 -23.50 28.21 1.07 1.09 -0.10 -2.67 2.97 2001.6726 -- 2004.7398 3.0672
09 CARG_GPS 239.5694 35.8881 -20.35 28.71 0.88 0.90 -0.15 0.17 2.44 1991.3905 -- 2003.2616 11.8711
09 car_____ 239.5694 35.8881 -21.06 27.95 0.95 0.97 -0.08 -0.47 2.31 EDM data

.. towers__ 239.5796 35.7890 -24.07 29.52 1.40 1.29 0.06 -0.34 5.00 EDM data
.. GRSY_GPS 239.5859 34.7306 -29.54 36.91 1.13 1.07 -0.12 4.50 3.24 1987.7400 -- 1994.2644 6.5244
.. table___ 239.5911 35.9363 -11.72 20.51 1.12 1.07 -0.08 -0.24 4.99 EDM data
.. HUNT_GPS 239.5976 35.8808 -14.46 20.01 1.07 1.09 -0.10 0.31 2.96 2001.6726 -- 2004.7398 3.0672
.. CMBB_GPS 239.6140 38.0342 -10.02 8.46 0.87 0.91 -0.13 0.54 2.22 1993.9795 -- 2004.7398 10.7604
A2 hopper__ 239.6184 35.6741 -24.44 29.19 1.19 1.05 -0.10 -2.22 4.92 EDM data
A2 PPER_GPS 239.6184 35.6741 -25.79 29.42 1.09 1.08 -0.11 -0.10 3.71 1992.3075 -- 1997.2452 4.9377
.. melville 239.6252 35.8701 -18.35 21.98 1.37 1.25 -0.19 -1.80 3.46 EDM data
.. TBLP_GPS 239.6397 35.9174 -13.09 14.61 1.08 1.10 -0.10 1.06 3.03 2001.7849 -- 2004.7398 2.9549
.. 0607_GPS 239.6461 36.5011 -5.87 9.93 1.47 1.12 -0.02 -4.80 3.69 1991.3905 -- 1998.5219 7.1314
84 chiches2 239.6480 35.3926 -25.43 29.58 1.05 1.02 -0.10 14.31 3.52 EDM data
.. MIG1_GPS 239.6486 34.0383 -29.76 35.70 1.06 1.06 -0.12 -2.05 2.75 2000.6688 -- 2004.7398 4.0710
91 BENH_GPS 239.6487 35.7456 -20.84 27.52 0.92 0.94 -0.14 -0.82 2.37 1989.9056 -- 2003.2616 13.3560
91 bench___ 239.6487 35.7456 -21.24 27.35 0.92 0.92 -0.13 1.32 3.47 EDM data
A5 GO42_GPS 239.6498 35.8307 -13.66 21.06 0.93 0.95 -0.13 -1.10 2.44 1992.3075 -- 2003.2616 10.9542
A5 gold____ 239.6498 35.8307 -15.00 21.11 0.93 0.94 -0.11 1.27 4.31 EDM data
A8 kenger__ 239.6528 35.9137 -11.82 18.76 0.94 0.94 -0.12 5.25 4.46 EDM data
A8 KNGR_GPS 239.6528 35.9137 -11.92 18.69 0.93 0.95 -0.13 0.11 2.46 1992.3075 -- 2003.2616 10.9542
.. 0502_GPS 239.6545 34.5310 -29.63 32.92 1.04 1.05 -0.10 3.10 3.18 1991.3905 -- 2001.1438 9.7533
.. B121_GPS 239.6641 35.6887 -21.18 28.30 1.78 1.52 -0.08 -5.73 7.99 1989.9056 -- 1994.9027 4.9971
.. two_oaks 239.6806 35.8588 -11.33 17.42 1.37 1.39 -0.26 -0.04 4.93 EDM data
A9 park____ 239.6939 35.8956 -11.52 20.04 1.00 0.96 -0.09 1.05 3.48 EDM data
A9 PK59_GPS 239.6939 35.8956 -11.71 17.90 0.92 0.94 -0.13 0.43 2.39 1992.3075 -- 2003.2616 10.9542
.. MODB_GPS 239.6972 41.9023 -3.46 4.47 0.99 1.03 -0.07 -2.65 2.92 2001.3390 -- 2004.5922 3.2532
.. 7HLI_GPS 239.7003 34.9599 -28.71 32.13 0.95 0.96 -0.13 -1.11 2.37 1990.7159 -- 2003.8370 13.1210
84 POZO_GPS 239.7013 35.3460 -24.66 29.88 1.13 1.09 -0.10 5.16 3.73 1989.9056 -- 1994.9027 4.9971
.. moose___ 239.7097 35.8157 -14.37 20.24 1.35 1.23 -0.14 -0.63 4.96 EDM data
.. ORES_GPS 239.7214 34.7391 -29.04 34.20 1.01 1.02 -0.12 -7.95 2.60 1999.7959 -- 2004.7398 4.9439
.. WATH_GPS 239.7267 35.7083 -20.25 25.48 0.94 0.96 -0.13 0.08 2.47 1992.3075 -- 2003.2616 10.9542
A3 hearst__ 239.7323 35.7556 -15.96 20.85 1.18 1.26 -0.07 -0.77 4.97 EDM data
.. RDRK_GPS 239.7330 34.6912 -27.72 33.88 2.55 2.36 -0.00 9.87 10.16 1992.2339 -- 1994.1881 1.9542
A3 CBAR_GPS 239.7349 35.7563 -16.76 21.11 0.94 0.96 -0.13 -0.49 2.48 1992.3075 -- 2003.2616 10.9542
C4 bonnie__ 239.7362 35.8776 -12.02 18.84 0.92 0.95 -0.15 0.55 4.74 EDM data
C4 BONN_GPS 239.7362 35.8776 -12.76 17.98 0.95 0.97 -0.13 1.02 2.70 1992.3075 -- 2001.4315 9.1240
98 red_hill 239.7394 35.6050 -21.72 26.21 0.96 0.94 -0.12 1.11 3.41 EDM data
98 REDH_GPS 239.7394 35.6050 -22.73 26.63 0.93 0.94 -0.13 -0.38 2.41 1989.9056 -- 2001.4315 11.5259
.. LAMO_GPS 239.7432 34.7985 -30.64 33.10 1.95 1.71 -0.05 -12.98 5.97 1990.1739 -- 1994.1881 4.0143
.. stanley2 239.7487 35.0730 -28.38 33.78 1.35 2.07 -0.52 0.03 5.00 EDM data
.. Y616_GPS 239.7529 35.6790 -19.39 24.20 1.67 1.31 -0.05 7.43 5.29 1989.9056 -- 1994.9027 4.9971
.. hath_2__ 239.7642 35.1823 -26.16 32.84 1.13 1.98 0.18 -0.04 5.00 EDM data
.. F621_GPS 239.7714 35.4258 -28.48 28.42 2.62 1.59 -0.03 9.74 6.96 1989.9056 -- 1994.9027 4.9971
93 COTT_GPS 239.7775 35.7878 -13.47 18.95 0.93 0.94 -0.13 -1.70 2.45 1989.9056 -- 2001.4315 11.5259
93 cotton__ 239.7775 35.7878 -13.91 20.10 0.91 0.95 -0.11 -1.26 3.49 EDM data
.. SANJ_GPS 239.7811 35.5085 -24.56 25.78 1.44 1.24 -0.09 3.73 4.55 1989.9056 -- 1994.9027 4.9971
.. GAVI_GPS 239.8012 34.5018 -27.97 32.26 1.13 1.06 -0.10 -3.71 3.58 1987.0169 -- 1993.5767 6.5598
.. F179_GPS 239.8090 35.7252 -17.73 20.50 2.52 1.50 0.00 0.29 7.44 1989.9056 -- 1994.9027 4.9971
95 HTR1_GPS 239.8219 35.6860 -16.50 21.12 0.92 0.94 -0.14 -1.11 2.36 1989.9056 -- 2003.2616 13.3560
95 hatch___ 239.8220 35.6859 -17.27 20.07 1.01 1.04 -0.19 0.02 3.53 EDM data
.. SLOE_GPS 239.8544 35.3872 -23.50 28.31 1.46 1.34 -0.08 5.52 5.79 1989.9056 -- 1994.9027 4.9971
.. BOLY_GPS 239.8563 34.5188 -30.77 35.41 1.46 1.46 -0.03 5.67 5.70 1993.4425 -- 1995.6452 2.2027
.. TJRN_GPS 239.8674 34.4835 -29.88 32.94 1.05 1.06 -0.11 -0.19 2.77 2000.9495 -- 2004.7398 3.7904
.. POSO_GPS 239.8873 35.5204 -20.42 24.53 0.99 0.99 -0.12 -0.58 2.72 1989.9056 -- 2000.6688 10.7632
.. MCSW_GPS 239.8875 35.7888 -12.10 17.46 1.44 1.45 -0.14 -1.20 5.70 1989.9056 -- 1994.9027 4.9971
.. SNRI_GPS 239.8943 33.9509 -29.34 35.56 1.05 1.02 -0.12 -2.01 2.99 1987.0169 -- 1995.6452 8.6283
.. 0612_GPS 239.9018 35.9495 -12.48 16.87 2.04 1.88 -0.00 -10.88 8.55 1991.3905 -- 1994.1881 2.7976
.. MILX_GPS 239.9112 35.6059 -17.81 19.75 1.36 1.24 -0.07 2.86 4.67 1989.9056 -- 1994.9027 4.9971
.. allen___ 239.9150 35.1853 -25.06 29.25 1.01 1.14 -0.01 -0.30 3.50 EDM data
.. IZAA_GPS 239.9309 34.6050 -30.16 31.57 1.00 1.03 -0.11 -2.05 3.00 1993.2298 -- 2001.8726 8.6428
74 MADC_GPS 239.9329 35.0756 -26.39 29.82 0.92 0.93 -0.14 -0.05 2.29 1987.0169 -- 2003.2616 16.2447
74 madre_80 239.9329 35.0756 -26.65 29.38 1.15 1.12 -0.20 4.04 4.98 EDM data
.. SRS1_GPS 239.9348 34.0043 -29.54 34.65 1.08 1.09 -0.11 -1.68 2.88 2001.4315 -- 2004.7398 3.3083
.. MKIM_GPS 239.9401 35.4827 -21.22 24.77 1.12 1.16 -0.10 5.83 4.17 1994.9027 -- 2000.6688 5.7661
.. BOB1_GPS 239.9412 35.4184 -22.23 24.42 1.33 1.23 -0.08 15.64 4.44 1989.9056 -- 1994.9027 4.9971
.. K559_GPS 239.9428 35.6915 -15.38 16.02 2.48 1.36 -0.02 -0.03 5.61 1989.9056 -- 1994.9027 4.9971
.. REFU_GPS 239.9479 34.5348 -29.73 32.65 0.97 0.98 -0.13 -1.08 2.52 1993.5767 -- 2003.2616 9.6849
.. TAR0_GPS 239.9530 35.8893 -7.96 15.07 1.01 1.03 -0.11 -8.91 3.09 1989.9056 -- 2000.6688 10.7632
52 TWIS_GPS 239.9819 35.4876 -19.38 22.44 0.93 0.94 -0.13 -0.33 4.80 1989.9056 -- 1994.9027 4.9971
52 twissel_ 239.9819 35.4876 -19.62 22.14 1.07 1.11 0.10 -0.19 3.53 EDM data
52 TWR2_GPS 239.9819 35.4877 -19.38 22.44 0.93 0.94 -0.13 -0.59 2.46 1992.3075 -- 2003.2616 10.9542
.. FGST_GPS 239.9906 34.7330 -29.63 30.57 1.04 1.05 -0.11 -0.15 2.75 2000.7828 -- 2004.7398 3.9570
.. G285_GPS 239.9930 35.6348 -13.94 18.64 2.54 1.42 -0.02 8.11 6.06 1989.9056 -- 1994.9027 4.9971
.. simmler_ 239.9948 35.3515 -23.32 26.39 1.47 1.11 0.09 0.74 4.94 EDM data
.. C616_GPS 239.9994 35.5745 -15.20 18.49 1.00 0.99 -0.12 3.12 2.82 1989.9056 -- 2000.6688 10.7632
.. sycamore 240.0012 35.1255 -24.49 28.63 0.98 1.10 -0.14 0.38 4.83 EDM data
.. W806_GPS 240.0169 35.7891 -9.69 13.23 1.43 1.34 -0.10 14.09 5.46 1989.9056 -- 1994.9027 4.9971

.. BBDM_GPS 240.0185 34.5822 -27.86 30.80 1.05 1.05 -0.11 -1.87 2.76 2000.8975 -- 2004.7398 3.8423
.. FIGP_GPS 240.0349 34.7229 -29.13 30.53 0.97 0.97 -0.13 -0.34 2.48 1992.2339 -- 2003.2616 11.0277
.. NAPO_GPS 240.0407 35.5034 -15.51 20.40 0.93 0.94 -0.13 -1.85 2.37 1989.9056 -- 2003.8370 13.9314
.. LASY_GPS 240.0432 35.4411 -19.09 21.87 0.95 0.97 -0.13 -1.88 2.54 1994.9027 -- 2003.8370 8.9342
.. turkey__ 240.0447 35.2612 -22.51 26.30 1.11 1.01 -0.11 -0.35 4.92 EDM data
.. DOSP_GPS 240.0642 34.5265 -30.37 31.71 0.97 0.98 -0.13 -0.67 2.53 1993.5767 -- 2003.2616 9.6849
.. VICU_GPS 240.0759 35.4131 -17.93 21.09 1.40 1.25 -0.08 5.97 4.62 1989.9056 -- 1994.9027 4.9971
.. SCRW_GPS 240.0820 34.0732 -28.94 34.77 1.17 1.10 -0.12 0.33 3.99 1987.7400 -- 1995.6452 7.9052
.. D559_GPS 240.0860 35.3424 -20.52 22.60 1.48 1.31 -0.07 -0.66 5.21 1989.9056 -- 1994.9027 4.9971
42 saltos__ 240.0980 35.1334 -23.70 26.63 0.91 0.92 -0.14 -0.17 4.84 EDM data
42 SAL0_GPS 240.0980 35.1334 -23.70 26.63 0.91 0.92 -0.14 -1.93 3.00 1992.7910 -- 2003.8370 11.0460
42 LTO2_GPS 240.0980 35.1334 -23.70 26.63 0.91 0.92 -0.14 2.43 2.44 1992.7910 -- 2003.8370 11.0460
.. COPR_GPS 240.1205 34.4149 -28.84 27.60 1.09 1.10 -0.10 0.03 2.95 2001.5603 -- 2004.7398 3.1795
.. GDEC_GPS 240.1363 35.1894 -22.68 25.35 1.13 1.14 -0.09 1.08 3.16 2002.1822 -- 2004.7398 2.5576
.. P807_GPS 240.1465 35.6035 -11.67 15.07 0.93 0.93 -0.13 -0.62 2.30 1989.9056 -- 2003.8370 13.9314
92 CAUV_GPS 240.1491 35.3581 -17.75 20.85 0.94 0.95 -0.13 1.21 2.59 1989.9056 -- 2003.8370 13.9314
92 cauvel__ 240.1491 35.3581 -18.14 21.00 1.09 1.03 -0.14 0.78 4.61 EDM data
.. carrizo_ 240.1521 35.2500 -21.52 24.77 1.19 1.11 -0.12 0.05 4.57 EDM data
.. UCSB_GPS 240.1562 34.4133 -29.24 29.24 0.99 1.00 -0.13 -1.74 2.54 1998.8260 -- 2004.7398 5.9138
.. Z558_GPS 240.1565 35.3335 -20.07 20.53 1.19 1.36 -0.01 -1.13 4.94 1998.5219 -- 2004.7398 6.2179
.. 0504_GPS 240.1623 35.0031 -25.79 27.78 0.94 0.95 -0.13 -1.99 2.41 1991.3905 -- 2004.7398 13.3493
.. OIL1_GPS 240.1677 35.4771 -15.76 19.09 1.52 1.40 -0.06 1.12 6.36 1989.9056 -- 1994.9027 4.9971
.. JKCA_GPS 240.1767 34.5131 -29.53 31.82 1.40 1.44 -0.08 1.20 5.49 1993.4425 -- 1995.6452 2.2027
.. painted_ 240.1918 35.1536 -22.22 26.55 1.05 1.18 -0.08 -0.75 4.92 EDM data
13 CRU1_GPS 240.2152 34.0293 -29.16 34.24 0.98 0.97 -0.13 -2.03 2.69 2000.5287 -- 2004.7398 4.2111
13 DEVL_GPS 240.2156 34.0291 -29.16 34.24 0.98 0.97 -0.13 -0.71 3.78 1987.0169 -- 1995.6452 8.6283
.. C824_GPS 240.2256 35.3336 -17.54 19.64 1.63 1.34 -0.05 -3.34 5.68 1989.9056 -- 1994.9027 4.9971
.. BURR_GPS 240.2288 34.5092 -37.44 34.32 2.23 2.10 0.02 5.46 9.17 1991.3905 -- 1994.2644 2.8739
73 gould___ 240.2337 35.4136 -13.49 17.77 1.20 1.12 -0.17 -2.24 4.68 EDM data
73 GOUD_GPS 240.2337 35.4136 -13.95 17.00 0.93 0.94 -0.14 -0.46 2.38 1989.9056 -- 2003.8370 13.9314
C5 MCK6_GPS 240.2359 35.2906 -17.25 20.52 1.49 1.37 -0.05 31.52 19.65 1989.9056 -- 1994.9027 4.9971
C5 mckttrck 240.2360 35.2907 -17.42 20.82 1.16 1.08 -0.02 0.33 2.44 EDM data
B0 LGO7_GPS 240.2396 35.0363 -25.11 25.30 0.97 0.99 -0.12 -1.37 2.70 1990.9131 -- 2000.3046 9.3916
B0 caliente 240.2397 35.0364 -24.16 25.22 1.01 1.12 0.02 0.01 2.49 EDM data
11 CEN2_GPS 240.2470 33.9949 -28.03 34.01 1.00 0.99 -0.13 2.40 5.89 1990.2469 -- 1995.6452 5.3983
11 CENT_GPS 240.2471 33.9948 -28.03 34.01 1.00 0.99 -0.13 0.23 2.68 1987.0169 -- 1995.6452 8.6283
.. crocker_ 240.2754 35.2421 -18.16 20.46 1.49 2.10 0.12 0.46 3.52 EDM data
38 RCA2_GPS 240.2800 34.5000 -29.34 29.47 0.92 0.92 -0.14 0.63 2.80 2001.0671 -- 2004.7398 3.6727
38 RCAG_GPS 240.2801 34.4999 -29.34 29.47 0.92 0.92 -0.14 -0.06 2.52 1993.4425 -- 2003.2616 9.8192
38 LACU_GPS 240.2861 34.4944 -29.34 29.47 0.92 0.92 -0.14 -1.02 3.28 1987.0169 -- 1995.6452 8.6283
B1 SALI_GPS 240.2865 34.8229 -27.32 29.11 0.97 0.99 -0.13 2.00 2.70 1990.9131 -- 2000.3046 9.3916
B1 salisbur 240.2865 34.8229 -27.41 28.85 0.96 1.11 -0.13 0.19 3.52 EDM data
.. 0615_GPS 240.3103 35.6669 -13.42 11.98 2.16 1.95 0.01 -7.99 8.72 1991.3905 -- 1994.1881 2.7976
.. welport_ 240.3184 35.3588 -8.99 17.75 1.25 1.47 -0.02 0.00 5.00 EDM data
.. glo_13__ 240.3460 35.4412 -11.03 15.10 2.86 1.85 -0.55 0.00 5.00 EDM data
63 DRAO_GPS 240.3750 49.3226 1.40 0.79 0.68 0.75 -0.04 -2.35 1.84 1991.0918 -- 2004.7398 13.6480
63 PENT7283 240.3801 49.3226 1.52 0.59 0.95 1.01 -0.03 25.23 8.41 VLBI data
.. 0501_GPS 240.3939 34.4205 -27.89 26.70 0.99 0.99 -0.12 -0.76 2.68 1991.3905 -- 2001.8726 10.4821
.. madulce2 240.4089 34.6910 -28.74 29.57 1.05 1.22 -0.24 0.00 5.00 EDM data
.. SCRE_GPS 240.4353 34.0547 -29.93 33.59 1.20 1.13 -0.14 -1.10 4.92 1987.7400 -- 1995.6452 7.9052
.. temblor_ 240.4450 35.1128 -16.04 20.14 1.34 1.16 0.26 -0.16 3.53 EDM data
.. SNI1_GPS 240.4756 33.2479 -30.16 34.22 0.97 0.97 -0.14 -1.37 2.38 1995.9959 -- 2004.7398 8.7439
.. CUYA_GPS 240.5110 34.9278 -22.71 22.76 1.17 1.13 -0.14 -3.67 3.97 1992.7910 -- 1997.5822 4.7912
.. YAM2_GPS 240.5156 34.8525 -24.70 25.15 1.06 1.03 -0.11 1.74 2.80 1989.2500 -- 1997.5822 8.3322
.. TWIN_GPS 240.5210 33.2318 -29.73 35.07 0.99 0.98 -0.14 -1.70 2.63 1986.4657 -- 1996.3921 9.9264
B2 YMR2_GPS 240.5247 34.7541 -26.63 26.04 1.07 1.08 -0.10 -1.09 3.55 1996.3921 -- 2000.3046 3.9126
B2 yam_____ 240.5248 34.7541 -26.17 25.41 0.98 0.98 -0.11 1.21 3.43 EDM data
.. YAMM_GPS 240.5248 34.7541 -26.98 22.32 1.38 1.40 -0.09 -0.63 5.10 1991.9390 -- 1995.8178 3.8788
.. VECA_GPS 240.5273 34.4191 -28.34 28.03 1.53 1.52 -0.04 3.69 6.13 1993.4425 -- 1995.6452 2.2027
.. 0515_GPS 240.5280 34.8352 -23.35 21.65 1.67 2.02 0.06 -1.08 8.29 2001.8726 -- 2004.7398 2.8672
.. monte___ 240.5332 34.5394 -30.38 26.54 1.09 1.09 -0.22 0.60 4.86 EDM data
.. seco____ 240.5584 34.6255 -29.39 25.68 1.08 1.02 -0.13 -1.16 4.79 EDM data
B3 pattiway 240.5677 34.9597 -19.40 20.47 0.96 0.98 -0.10 0.54 3.28 EDM data
B3 PATW_GPS 240.5677 34.9597 -20.04 20.44 0.96 0.97 -0.12 -0.43 2.68 1990.9131 -- 2000.3046 9.3916
C6 BCWR_GPS 240.5942 34.9205 -21.09 20.71 1.06 1.06 -0.10 0.20 3.19 2002.1822 -- 2004.7398 2.5576
C6 pelato__ 240.5946 34.9202 -21.18 20.90 1.04 1.00 -0.08 -1.03 3.38 EDM data
.. FIBR_GPS 240.6060 35.3985 -12.33 12.21 0.91 0.92 -0.14 -4.49 2.26 1987.0169 -- 2003.8370 16.8201
.. CSST_GPS 240.6288 34.4081 -28.04 26.36 1.05 1.06 -0.11 -1.37 2.80 2001.0671 -- 2004.7398 3.6727
.. ANA1_GPS 240.6365 34.0150 -26.72 35.27 1.22 1.23 -0.08 0.67 3.50 2002.6616 -- 2004.7398 2.0782
.. OZNA_GPS 240.6452 34.6830 -28.59 23.71 1.30 1.29 -0.10 -2.46 4.52 1992.4850 -- 1995.6452 3.1602
.. BVPP_GPS 240.6525 35.1573 -16.02 14.43 1.12 1.13 -0.09 -0.99 3.18 2002.1822 -- 2004.7398 2.5576
48 SOLI_GPS 240.6573 34.2983 -28.53 28.66 0.93 0.92 -0.14 -2.67 2.35 1987.0169 -- 2003.2616 16.2447
48 CHAF_GPS 240.6690 34.3006 -28.53 28.66 0.93 0.92 -0.14 -2.91 3.28 1987.0169 -- 1995.6452 8.6283
.. apache__ 240.6832 34.7571 -24.33 21.84 1.02 1.06 -0.12 -0.86 4.79 EDM data
.. MUSB_GPS 240.6907 37.1699 -9.84 8.37 0.92 0.95 -0.11 1.30 2.44 1997.9000 -- 2004.5922 6.6922

77 MUNS_GPS 240.6995 34.6358 -26.14 24.10 1.01 0.99 -0.12 -2.35 2.81 1989.2500 -- 1996.8128 7.5628
.. 0609_GPS 240.7122 36.2893 -10.35 11.07 1.04 1.04 -0.09 -20.96 3.13 1991.3905 -- 1998.5219 7.1314
77 reyes___ 240.7184 34.6308 -27.20 22.90 1.03 0.99 -0.07 3.73 4.50 EDM data
.. 0102_GPS 240.7358 34.5655 -28.40 23.58 1.16 1.13 -0.06 -2.66 3.36 1992.4850 -- 1999.6699 7.1849
.. 0613_GPS 240.7410 35.8191 -11.36 10.97 0.92 0.94 -0.12 15.58 8.48 1991.3905 -- 2003.8370 12.4465
96 NORD_GPS 240.7579 34.4983 -28.08 24.73 0.99 0.99 -0.13 -2.55 3.12 1992.7910 -- 1999.7767 6.9857
96 nordhoff 240.7579 34.4983 -29.05 23.67 1.10 1.05 -0.06 -1.62 4.85 EDM data
.. VNCO_GPS 240.7623 34.2758 -28.31 28.57 1.05 1.05 -0.11 -7.45 2.78 2001.0671 -- 2004.7398 3.6727
.. 0616_GPS 240.7728 35.2668 -11.80 10.75 1.01 1.02 -0.12 0.69 3.01 1991.3905 -- 1998.5219 7.1314
.. OJAI_GPS 240.7978 34.4399 -31.99 27.35 1.04 1.05 -0.11 -0.58 3.03 1992.4850 -- 1999.5521 7.0671
.. HVYS_GPS 240.8125 34.4412 -27.31 24.29 1.04 1.04 -0.11 -2.30 2.75 2000.8975 -- 2004.7398 3.8423
.. J976_GPS 240.8213 35.0025 -14.97 17.10 1.08 1.09 -0.11 -0.06 3.40 1992.8292 -- 1997.5822 4.7530
.. COTR_GPS 240.8460 34.1202 -26.16 32.84 1.14 1.05 -0.09 -8.69 3.14 1987.0169 -- 1995.6452 8.6283
76 MPNS_GPS 240.8546 34.8128 -21.69 21.53 1.01 1.01 -0.12 -1.15 2.90 1990.4699 -- 1997.5822 7.1123
76 mt_pinos 240.8546 34.8128 -22.18 20.90 0.94 1.04 -0.12 25.31 4.31 EDM data
.. OVLS_GPS 240.8581 34.3274 -26.95 28.11 1.00 1.00 -0.12 -2.21 2.58 1999.5000 -- 2004.7398 5.2398
.. NHRG_GPS 240.8587 34.4987 -25.97 23.57 1.03 1.04 -0.11 -1.68 2.74 2000.8975 -- 2004.7398 3.8423
.. thorn___ 240.8723 34.6064 -29.30 23.48 1.43 1.13 -0.31 1.74 4.95 EDM data
.. W304_GPS 240.8767 34.3058 -26.61 28.59 1.12 1.08 -0.10 1.23 3.04 1992.4850 -- 1999.5521 7.0671
.. LVMS_GPS 240.8963 34.7336 -23.13 21.12 0.99 1.00 -0.12 -0.54 2.58 1999.7767 -- 2004.7398 4.9631
.. TWST_GPS 240.8998 34.6412 -25.11 22.58 1.06 1.07 -0.11 -1.46 3.25 1992.7910 -- 1997.5822 4.7912
.. MUSD_GPS 240.9040 34.2616 -30.57 29.27 1.01 1.01 -0.12 -1.96 2.63 1998.6534 -- 2003.4973 4.8438
.. DECH_GPS 240.9094 38.0515 -9.05 9.01 1.19 1.21 -0.07 -0.76 3.60 2002.6616 -- 2004.5922 1.9306
.. JNPR_GPS 240.9153 37.7717 -8.90 9.23 0.91 0.94 -0.11 2.01 2.43 1997.9000 -- 2004.5922 6.6922
.. SOMT_GPS 240.9357 34.3199 -27.20 29.50 1.04 1.04 -0.11 -2.09 2.75 2000.9495 -- 2004.7398 3.7904
.. MINS_GPS 240.9391 37.6538 -6.74 8.44 0.92 0.95 -0.11 1.00 2.47 1998.6534 -- 2004.5922 5.9388
.. LNCO_GPS 240.9421 36.3600 -9.48 9.69 0.96 0.98 -0.11 -0.64 2.53 1999.7959 -- 2004.7398 4.9439
.. SBIS_GPS 240.9587 33.4721 -30.20 34.74 1.04 1.05 -0.12 -0.64 2.79 1988.1600 -- 1996.3921 8.2321
.. SCLA_GPS 240.9608 34.3257 -28.47 29.98 1.04 1.01 -0.13 -1.92 2.87 1987.7400 -- 1997.2452 9.5052
.. CSCI_GPS 240.9610 34.1684 -28.18 30.32 1.05 1.05 -0.11 -1.33 2.77 2001.0671 -- 2004.7398 3.6727
.. BAR1_GPS 240.9703 33.4805 -29.06 33.40 1.22 1.22 -0.09 -2.46 3.49 2002.6616 -- 2004.7398 2.0782
.. LINC_GPS 240.9827 37.6372 -7.82 9.72 0.95 0.97 -0.10 -5.05 2.58 1999.5521 -- 2004.5922 5.0402
.. SHLD_GPS 240.9843 41.8684 -2.78 2.55 0.91 0.95 -0.08 -1.32 2.57 2000.6688 -- 2004.7398 4.0710
99 wheeler2 240.9857 35.0106 -16.66 16.07 1.07 1.06 -0.02 -0.99 3.45 EDM data
99 WHEE_GPS 240.9857 35.0106 -16.98 14.95 1.18 1.16 -0.07 -3.75 4.70 1991.3905 -- 1995.6452 4.2547
87 santapau 240.9903 34.4404 -27.78 25.67 1.18 1.60 0.14 -2.31 5.00 EDM data
87 SNP2_GPS 240.9904 34.4404 -27.73 25.65 1.25 1.29 -0.07 -6.02 5.32 1987.7400 -- 1993.8945 6.1545
.. KBRC_GPS 240.9918 34.3985 -26.62 25.24 1.06 1.06 -0.11 -2.32 2.81 2001.1438 -- 2004.7398 3.5960
.. SANP7255 241.0012 34.3879 -26.01 24.20 1.29 1.39 -0.11 12.31 7.29 VLBI data
.. SNPA_GPS 241.0012 34.3879 -26.63 27.07 0.98 0.98 -0.13 -1.23 2.57 1989.2500 -- 1998.5219 9.2719
.. WGPP_GPS 241.0163 35.0108 -16.26 16.37 0.99 1.00 -0.12 -2.99 2.58 1999.8644 -- 2004.7398 4.8754
.. tecuyrm1 241.0184 34.8425 -20.84 18.56 0.99 1.11 -0.11 0.35 3.50 EDM data
.. DDMN_GPS 241.0188 37.7442 -8.88 9.26 1.19 1.21 -0.07 -1.68 3.63 2002.6616 -- 2004.5922 1.9306
.. KNOL_GPS 241.0208 37.6591 -7.63 8.58 0.94 0.96 -0.10 -1.84 2.56 1999.2699 -- 2004.5922 5.3224
17 frazier_ 241.0309 34.7750 -22.80 19.02 1.00 1.09 -0.06 1.22 4.90 EDM data
17 FRZI_GPS 241.0309 34.7750 -23.38 17.45 1.05 1.04 -0.13 -68.40 4.17 1992.7910 -- 1999.7767 6.9857
17 FRZ2_GPS 241.0310 34.7752 -23.38 17.46 1.05 1.04 -0.13 -14.48 11.79 1992.7910 -- 1994.7877 1.9967
.. 0703_GPS 241.0373 34.0528 -27.39 30.20 1.88 1.22 -0.05 -0.52 3.70 1991.3905 -- 1998.7610 7.3705
.. MWTP_GPS 241.0553 37.6405 -8.24 7.42 0.95 0.97 -0.10 -1.06 2.60 1999.2699 -- 2004.5922 5.3224
.. 0706_GPS 241.0602 34.3938 -30.16 27.15 1.12 1.08 -0.07 -3.45 3.26 1991.3905 -- 1999.5000 8.1095
.. CIRX_GPS 241.0627 34.1096 -27.62 30.14 1.04 1.04 -0.11 -0.76 2.75 2000.8975 -- 2004.7398 3.8423
.. WEED_GPS 241.0677 35.2229 -12.13 10.65 1.12 1.18 -0.10 -15.19 3.88 1992.8292 -- 1997.5822 4.7530
.. F113_GPS 241.0766 34.2776 -27.70 29.72 1.25 1.23 -0.02 -4.99 4.02 1992.4850 -- 1999.5000 7.0150
.. police__ 241.0955 34.9030 -18.11 17.31 1.00 1.05 -0.04 -0.53 4.75 EDM data
.. RCKS_GPS 241.1014 34.4326 -26.73 25.41 1.09 1.10 -0.10 -3.98 3.10 1992.4850 -- 1997.3493 4.8643
.. RDOM_GPS 241.1021 37.6771 -5.34 7.83 0.94 0.96 -0.10 -0.16 2.55 1999.2699 -- 2004.5922 5.3224
.. CA99_GPS 241.1033 37.6446 -11.75 3.96 1.20 1.22 -0.07 -2.26 3.63 2002.6616 -- 2004.5922 1.9306
.. FMTP_GPS 241.1059 34.4099 -25.94 24.73 1.00 1.00 -0.12 -2.05 2.58 1999.8260 -- 2004.7398 4.9138
.. FZHS_GPS 241.1066 34.8002 -19.47 19.30 0.97 0.98 -0.12 0.59 2.50 1998.6534 -- 2004.7398 6.0864
.. OAKS_GPS 241.1142 34.1955 -28.38 30.39 1.57 1.28 -0.13 -2.87 4.03 1992.4850 -- 1999.2699 6.7849
.. FMVT_GPS 241.1160 34.3563 -27.18 28.68 1.04 1.05 -0.11 -0.93 2.77 2001.0671 -- 2004.7398 3.6727
.. KRAC_GPS 241.1195 37.7133 -5.99 8.12 1.20 1.22 -0.07 0.30 3.65 2002.6616 -- 2004.5922 1.9306
.. MPWD_GPS 241.1220 34.2955 -27.34 28.54 1.00 1.00 -0.12 -0.76 2.56 1999.1467 -- 2004.7398 5.5931
.. HAP2_GPS 241.1229 34.3280 -26.62 28.07 1.24 1.24 -0.08 -1.65 3.12 1992.4850 -- 1997.3493 4.8643
.. 0618_GPS 241.1319 34.8252 -19.06 18.78 1.01 1.05 -0.12 -0.29 2.95 1991.3905 -- 1999.6342 8.2437
.. LJRN_GPS 241.1323 34.8075 -19.27 18.09 1.05 1.06 -0.10 2.70 2.83 2001.0671 -- 2004.7398 3.6727
.. HOPP_GPS 241.1345 34.4777 -23.85 24.20 1.02 1.00 -0.12 -0.50 2.66 1987.7400 -- 1997.3493 9.6093
.. HAPY_GPS 241.1498 34.3580 -28.02 29.41 1.34 1.18 -0.11 -1.89 3.87 1987.7400 -- 1995.6452 7.9052
.. TOST_GPS 241.1633 34.2480 -27.35 28.73 1.00 1.00 -0.12 -0.95 2.57 1999.5000 -- 2004.7398 5.2398
.. EDPP_GPS 241.1696 34.9462 -15.61 16.05 1.00 1.01 -0.11 0.56 2.65 2000.2090 -- 2004.7398 4.5308
.. AOA1_GPS 241.1697 34.1574 -27.63 29.38 0.94 0.94 -0.14 -0.56 2.30 1994.6890 -- 2004.7398 10.0508
.. tejon_32 241.1774 35.1238 -15.38 12.28 1.30 1.25 -0.28 0.00 3.54 EDM data
.. HOTK_GPS 241.1788 37.6586 -5.05 8.09 1.19 1.21 -0.07 0.44 3.58 2002.6616 -- 2004.5922 1.9306
B4 tejon_41 241.1844 34.8036 -18.63 19.15 0.98 1.04 -0.05 -0.02 4.83 EDM data
.. PTDU_GPS 241.1933 34.0016 -26.14 30.41 1.38 1.21 -0.12 -2.72 4.54 1987.7400 -- 1995.6452 7.9052

```
B4 LTEJ_GPS 241.1973 34.8005 -18.63    18.02    0.98    1.00 -0.11    -0.24    2.63      1990.9131 -- 2000.2090      9.2959
B4 litte_mo 241.1973 34.8006 -18.92    18.60    0.99    1.03 -0.02      0.55    4.92      EDM data
.. WARN_GPS 241.2097 34.6877 -21.83    20.31    1.07    1.09 -0.12    -2.37    3.41      1992.8292 -- 1999.5521      6.7228
10 CATO_GPS 241.2142 34.0858 -27.26    30.43    1.16    1.06 -0.12      1.04    3.45      1987.7400 -- 1995.6452      7.9052
10 CASO_GPS 241.2143 34.0857 -27.26    30.43    1.16    1.06 -0.12      2.00    5.60      1990.2469 -- 1999.8315      9.5846
.. 0094_GPS 241.2390 34.1464 -27.50    30.64    1.45    1.55 -0.06    -2.63    4.00      1992.4850 -- 1999.2699      6.7849
.. SFDM_GPS 241.2455 34.4598 -24.11    24.35    1.01    1.01 -0.11      0.29    2.67      2000.3046 -- 2004.7398      4.4352
.. AIRR_GPS 241.2567 34.7509 -20.09    17.79    1.11    1.14 -0.09      0.05    3.29      1992.8292 -- 1997.5822      4.7530
58 WHEC_GPS 241.2571 34.5675 -23.49    20.61    0.91    0.91 -0.14    -1.25    2.77      1990.9131 -- 2000.2090      9.2959
58 WHAU_GPS 241.2572 34.5674 -23.49    20.61    0.91    0.91 -0.14    -3.10    2.78      1990.4699 -- 1999.7767      9.3068
58 whitaker 241.2572 34.5676 -24.58    20.38    1.04    1.01 -0.11      1.43    2.89      EDM data
58 WKPK_GPS 241.2585 34.5685 -23.49    20.61    0.91    0.91 -0.14      0.49    2.63      1999.7767 -- 2004.7398      4.9631
.. 0611_GPS 241.2727 36.1847 -10.06      9.96    0.94    0.94 -0.12    -0.98    2.48      1991.4863 -- 2001.8726    10.3863
.. gneiss__ 241.2968 34.9593 -14.04    15.23    1.05    1.27 -0.03    -0.18    4.98      EDM data
.. 6022_GPS 241.2981 34.0332 -27.58    28.98    1.33    1.44 -0.07    -2.83    3.71      1992.7910 -- 1999.6342      6.8433
.. ALPP_GPS 241.3052 34.8245 -15.20    17.03    1.08    1.08 -0.10      0.50    2.95      2001.6726 -- 2004.7398      3.0672
.. U145_GPS 241.3071 34.4059 -25.53    26.16    1.49    1.35 -0.08      0.43    3.69      1992.4850 -- 1999.6342      7.1493
.. ROCK_GPS 241.3236 34.2357 -25.62    28.73    0.94    0.94 -0.13      0.51    2.31      1995.3767 -- 2004.7398      9.3631
.. RSPG_GPS 241.3297 35.1381 -12.99    12.49    1.03    1.08 -0.10    -2.69    2.85      1992.8292 -- 1997.5822      4.7530
.. CHRN_GPS 241.3298 34.2788 -27.16    27.41    1.70    1.80 -0.04      1.92    3.59      1992.4850 -- 1999.5521      7.0671
.. LOVE_GPS 241.3313 34.4963 -23.24    22.79    1.15    1.06 -0.12    -6.29    3.40      1987.7400 -- 1997.3493      9.6093
.. JACK_GPS 241.3396 35.0890 -13.55    13.15    1.16    1.21 -0.08    -3.87    3.53      1993.5767 -- 1997.5822      4.0055
.. WATC_GPS 241.3461 37.6643    -4.42      6.76    1.19    1.20 -0.07      1.22    3.56      2002.6616 -- 2004.5922      1.9306
.. Z370_GPS 241.3483 34.5445 -21.77    19.70    1.97    1.81 -0.05    -4.83    3.91      1992.8292 -- 1999.5521      6.7228
.. SPK1_GPS 241.3538 34.0593 -27.13    28.43    0.94    0.94 -0.14      0.17    2.31      1995.2260 -- 2004.7398      9.5138
.. FLAN_GPS 241.3542 35.1393 -12.51    13.84    1.19    1.33 -0.08    -3.69    3.49      1993.5767 -- 1997.5822      4.0055
.. CALA_GPS 241.3543 34.1401 -27.19    29.84    1.10    1.08 -0.10      1.85    2.98      1990.2469 -- 1998.7610      8.5141
12 CHT3_GPS 241.3591 34.2569 -27.25    28.38    1.04    1.04 -0.11      0.83    3.10      1995.1493 -- 2001.3390      6.1897
12 CHTW_GPS 241.3594 34.2571 -27.25    28.38    1.04    1.04 -0.11      2.08    6.19      1990.2469 -- 1994.1329      3.8860
.. CBHS_GPS 241.3702 34.1386 -26.33    28.53    0.99    1.00 -0.12      0.33    2.56      1999.1467 -- 2004.5922      5.4455
.. 0617_GPS 241.3747 35.2742 -12.15    11.88    1.02    1.04 -0.11    -2.56    3.02      1991.3905 -- 1998.5219      7.1314
.. diorite_ 241.3848 34.9345 -12.25    15.37    1.01    1.03 -0.10    -0.48    4.67      EDM data
.. CTDM_GPS 241.3868 34.5165 -22.95    21.14    1.07    1.07 -0.10    -0.21    2.89      2001.5603 -- 2004.7398      3.1795
.. FHFF_GPS 241.3903 34.5147 -25.68    20.60    1.21    1.21 -0.08    -3.76    3.56      1999.2699 -- 2001.5603      2.2904
.. OAT2_GPS 241.3986 34.3299 -26.46    25.19    0.98    0.98 -0.12      4.93    2.49      1995.1493 -- 2000.9495      5.8001
32 SAFE_GPS 241.3986 34.3304 -25.32    25.89    0.97    0.95 -0.13      3.96    3.27      1987.7400 -- 1993.8945      6.1545
32 SAFR_GPS 241.3986 34.3305 -25.32    25.89    0.97    0.95 -0.13    13.99 55.64      1991.8890 -- 1994.0507      2.1616
32 piconcer 241.3986 34.3307 -25.69    24.69    1.13    1.03 -0.09      9.33    5.00      EDM data
32 PICO_GPS 241.3987 34.3306 -25.32    25.89    0.97    0.95 -0.13      5.06    2.63      1989.2500 -- 1993.8945      4.6445
.. TUNA_GPS 241.4045 34.0630 -26.28    29.52    1.13    1.14 -0.09      0.27    2.88      1990.2469 -- 1999.4022      9.1553
.. 0614_GPS 241.4123 35.7450 -10.06      9.80    0.92    0.93 -0.13      0.14    2.32      1991.3905 -- 2003.4973    12.1067
.. warm_spr 241.4202 34.5956 -22.32    20.51    1.02    1.00 -0.07    -0.97    3.50      EDM data
.. BRPK_GPS 241.4232 34.6823 -19.04    20.07    1.04    1.04 -0.11      0.33    2.77      2001.0671 -- 2004.7398      3.6727
.. LAPC_GPS 241.4254 34.1819 -26.01    28.17    1.00    1.00 -0.12    -0.90    2.58      1999.7767 -- 2004.7398      4.9631
.. OXCO_GPS 241.4378 34.1793 -25.36    27.95    1.26    1.28 -0.07      2.49    3.49      1994.0594 -- 2001.3390      7.2797
41 SAEC_GPS 241.4385 34.6931 -18.48    19.01    0.96    0.96 -0.12    -0.19    2.53      1990.9131 -- 2001.3390    10.4260
41 saw_ecc_ 241.4385 34.6932 -18.69    19.60    0.96    0.98 -0.09      1.48    3.35      EDM data
41 SAWM_GPS 241.4386 34.6931 -18.48    19.01    0.96    0.96 -0.12    -7.30 11.52      1992.4850 -- 1994.9027      2.4178
.. MULH_GPS 241.4401 34.1301 -26.26    31.71    1.54    1.40 -0.05    -3.08    3.84      1989.2500 -- 1996.9467      7.6967
.. NORT_GPS 241.4448 34.2328 -24.22    28.04    1.15    1.16 -0.08    -0.17    3.22      1992.8292 -- 2001.3390      8.5098
.. DIVI_GPS 241.4463 34.1023 -26.03    31.44    1.11    1.11 -0.09      0.75    3.17      1990.2469 -- 1998.8260      8.5791
B5 BUTJ_GPS 241.4466 34.8183 -13.08    17.06    1.01    1.02 -0.10      1.07    2.78      1990.9131 -- 2000.2090      9.2959
B5 bull____ 241.4467 34.8184 -13.27    17.48    1.02    1.13 -0.05    -0.43    3.41      EDM data
.. MCDS_GPS 241.4574 34.2021 -24.15    28.94    1.26    1.28 -0.07      0.20    3.62      1994.0594 -- 2001.3390      7.2797
.. 0704_GPS 241.4599 34.4071 -22.95    26.04    1.12    1.11 -0.09      1.97    3.30      1991.1630 -- 1993.9795      2.8164
.. N_49_GPS 241.4660 34.0343 -27.42    28.62    1.48    1.60 -0.03    -0.50    3.93      1992.7910 -- 1999.5000      6.7090
.. CSN1_GPS 241.4762 34.2535 -25.15    25.50    0.94    0.94 -0.13    -1.04    2.35      1996.3921 -- 2004.7398      8.3477
.. BLUF_GPS 241.4815 32.9268 -29.12    35.36    1.00    0.99 -0.14      2.61    2.65      1986.4657 -- 1996.3921      9.9264
56 VIMT_GPS 241.4856 34.1264 -26.19    27.94    1.00    1.00 -0.12    -1.38    2.72      2000.8975 -- 2004.7398      3.8423
.. WIRO_GPS 241.4861 34.0596 -27.57    27.69    1.64    2.24 -0.04    -2.33    3.06      1992.0669 -- 1999.6342      7.5673
56 NIKE_GPS 241.4871 34.1288 -26.19    27.94    1.00    1.00 -0.12    -2.71    3.34      1990.2469 -- 1998.7610      8.5141
.. DELO_GPS 241.4889 34.2576 -24.17    26.53    1.46    1.52 -0.05      0.72    4.68      1994.0594 -- 1999.4022      5.3428
.. DEER_GPS 241.4922 35.0858 -10.73    13.66    0.97    0.97 -0.12    -0.90    2.42      1991.3905 -- 2001.9685    10.5780
.. MAND_GPS 241.5018 34.0905 -25.81    28.09    1.53    1.62 -0.05    -1.88    3.06      1990.2469 -- 1998.8260      8.5791
.. RESE_GPS 241.5118 34.2917 -23.94    25.11    1.13    1.14 -0.08      1.88    3.08      1992.8292 -- 2001.3390      8.5098
.. SCIP_GPS 241.5121 32.9144 -29.66    33.50    0.99    0.99 -0.13    -3.02    2.48      1998.1027 -- 2004.7398      6.6371
.. DBL1_GPS 241.5132 35.0333 -12.85    14.02    1.12    1.17 -0.08    -2.88    3.08      1992.8292 -- 1997.5822      4.7530
.. DBLE_GPS 241.5133 35.0333    -5.79    16.24    1.46    1.68 -0.08      6.60    5.68      1992.8292 -- 1997.5822      4.7530
.. VNCX_GPS 241.5155 34.2932 -24.77    23.93    0.98    0.98 -0.12    -0.04    2.53      1999.0589 -- 2004.7398      5.6809
.. CAT1_GPS 241.5170 33.4458 -28.14    31.79    0.95    0.95 -0.14    -1.03    2.33      1995.5301 -- 2004.7398      9.2097
.. KILN_GPS 241.5179 35.0996 -11.06    14.25    1.18    1.48 -0.06    -2.59    3.35      1993.5767 -- 1997.5822      4.0055
.. ROUN_GPS 241.5229 35.6415 -17.17    11.18    2.29    2.13 -0.01    -0.93    9.87      1991.3905 -- 1994.1881      2.7976
.. BREN_GPS 241.5235 34.0447 -24.35    29.00    1.98    1.80 -0.03      3.07    5.25      1990.2469 -- 1994.1329      3.8860
.. ISLK_GPS 241.5257 35.6623 -10.13    10.57    0.97    0.98 -0.11      0.28    2.55      1999.7767 -- 2004.7398      4.9631
.. BOUL_GPS 241.5317 32.8958 -29.93    34.44    1.29    1.37 -0.07      1.67    4.29      1991.3905 -- 1996.3921      5.0016
```

.. CHPI_GPS 241.5424 35.1471 -11.49 13.75 1.17 1.46 -0.06 -3.29 3.21 1993.5767 -- 1997.5822 4.0055
53 UCL1_GPS 241.5574 34.0696 -25.80 26.69 0.93 0.93 -0.14 -2.07 4.32 1991.0918 -- 1994.0753 2.9836
53 UCLP_GPS 241.5581 34.0691 -25.80 26.69 0.93 0.93 -0.14 -0.24 2.29 1995.0324 -- 2004.7398 9.7074
.. UCLA_GPS 241.5590 34.0687 -22.44 27.50 1.34 1.29 -0.08 -3.54 3.61 1991.0918 -- 1994.9904 3.8986
.. UCL0_GPS 241.5591 34.0690 -28.27 31.34 1.82 1.70 -0.05 -35.91 5.34 1990.4699 -- 1994.1329 3.6630
.. 07CG_GPS 241.5671 33.9282 -27.21 30.27 1.48 1.15 -0.09 -3.12 3.66 1992.7910 -- 1999.5521 6.7611
B6 MAYO_GPS 241.5704 34.3522 -24.78 22.70 1.35 1.35 -0.08 5.57 6.21 1990.2469 -- 1994.1329 3.8860
B6 may_____ 241.5704 34.3523 -24.37 22.05 1.12 1.18 -0.13 -0.12 3.53 EDM data
.. WRHS_GPS 241.5724 33.9582 -26.38 27.74 1.01 1.01 -0.12 -0.72 2.61 1999.7767 -- 2004.7398 4.9631
.. SATI_GPS 241.5736 34.2092 -27.45 25.87 2.50 2.27 0.03 6.80 4.71 1991.1630 -- 1999.6699 8.5068
.. thumb___ 241.5809 34.8627 -9.49 14.00 1.02 1.07 -0.15 -2.05 4.68 EDM data
.. THCP_GPS 241.5854 35.1582 -10.39 13.16 1.02 1.02 -0.10 0.07 2.73 2001.0671 -- 2004.7398 3.6727
.. LFRS_GPS 241.5872 34.0951 -26.54 25.66 0.99 0.99 -0.12 -1.36 2.56 1999.2699 -- 2004.7398 5.4699
.. CMP9_GPS 241.5886 34.3532 -24.55 23.55 0.93 0.93 -0.13 -1.74 2.31 1995.5301 -- 2004.7398 9.2097
.. SUMT_GPS 241.5906 35.1336 -9.04 12.59 1.10 1.17 -0.08 -4.86 3.03 1993.5767 -- 1997.5822 4.0055
.. PACO_GPS 241.5917 34.2636 -25.42 25.91 1.16 1.17 -0.10 -0.37 3.39 1990.2469 -- 1998.7610 8.5141
94 fairmont 241.5926 34.7491 -14.37 18.29 1.02 1.06 -0.09 1.99 4.84 EDM data
94 FRMT_GPS 241.5926 34.7491 -14.53 17.73 1.09 1.11 -0.09 -3.52 3.51 1992.8975 -- 1997.5822 4.6847
.. BRSH_GPS 241.5951 33.4070 -28.20 33.25 0.99 1.00 -0.13 -1.30 2.66 1987.0169 -- 1996.3921 9.3751
.. PVE3_GPS 241.5957 33.7433 -27.28 29.66 1.04 1.04 -0.11 -1.57 2.75 2000.8975 -- 2004.7398 3.8423
.. PVEP_GPS 241.5958 33.7433 -28.32 31.17 0.97 0.97 -0.13 -0.18 2.45 1993.4425 -- 2000.5287 7.0862
.. PVER_GPS 241.5964 33.7438 -26.57 31.14 0.95 0.94 -0.14 0.78 2.38 1986.4657 -- 1998.5219 12.0562
.. PVER7268 241.5965 33.7438 -26.90 29.03 1.32 1.42 -0.05 0.38 7.38 VLBI data
.. 0701_GPS 241.5967 33.9965 -27.72 30.52 1.34 1.06 -0.07 1.73 3.11 1991.2949 -- 1999.0589 7.7640
14 DAM1_GPS 241.6026 34.3340 -27.57 22.85 1.55 0.86 -0.09 -3.01 3.23 1994.1329 -- 2000.2090 6.0761
14 DAM2_GPS 241.6031 34.3348 -27.57 22.85 1.55 0.86 -0.09 -0.46 2.61 1994.1329 -- 2004.7398 10.6069
.. WBCH_GPS 241.6055 33.8773 -26.93 31.53 1.13 1.14 -0.09 -3.99 3.39 1990.2469 -- 1998.7610 8.5141
.. Z786_GPS 241.6266 34.2223 -25.35 25.96 1.28 1.37 -0.08 -2.19 3.48 1992.8292 -- 1999.5000 6.6708
.. PVHS_GPS 241.6278 33.7795 -26.70 29.41 1.00 1.00 -0.12 -1.33 2.59 1999.5521 -- 2004.7398 5.1878
.. FXHS_GPS 241.6405 34.0806 -29.71 25.54 0.99 0.99 -0.12 -1.60 2.56 1999.3630 -- 2004.7398 5.3768
97 PELN_GPS 241.6439 34.5610 -20.59 20.49 1.41 1.42 -0.02 -13.69 11.34 1991.8890 -- 1994.7877 2.8986
97 pelona__ 241.6439 34.5610 -20.59 20.66 1.04 1.03 -0.04 -0.07 3.50 EDM data
.. SPJ1_GPS 241.6475 33.7968 -26.19 32.93 1.08 1.04 -0.11 -2.79 2.70 1990.2469 -- 1999.0589 8.8120
.. DSHS_GPS 241.6515 34.0239 -24.68 27.09 1.00 1.00 -0.12 -2.06 2.58 1999.2699 -- 2004.5922 5.3224
.. NOPK_GPS 241.6520 33.9797 -25.22 25.57 1.00 0.99 -0.12 1.05 2.57 1999.3630 -- 2004.7398 5.3768
49 SPED_GPS 241.6636 33.7463 -25.62 32.10 1.07 1.11 -0.10 3.04 8.38 1989.2500 -- 1993.0178 3.7678
49 PVOO_GPS 241.6642 33.7472 -25.62 32.10 1.07 1.11 -0.10 -4.72 3.26 1990.2469 -- 1999.2699 9.0230
.. CAT2_GPS 241.6662 33.3116 -27.80 32.18 1.06 1.06 -0.11 -3.15 2.81 2001.2753 -- 2004.7398 3.4645
.. BURB_GPS 241.6691 34.1479 -25.75 24.74 1.35 1.49 -0.09 -3.36 4.45 1992.7910 -- 1999.5000 6.7090
.. TORP_GPS 241.6694 33.7978 -26.89 29.32 0.96 0.96 -0.13 -1.06 2.39 1997.1603 -- 2004.7398 7.5795
.. port____ 241.6702 34.3864 -23.34 21.89 1.09 1.06 -0.10 0.89 3.52 EDM data
.. ECCO_GPS 241.6710 33.8868 -26.08 28.96 1.00 1.00 -0.12 -1.94 2.57 1999.3630 -- 2004.7398 5.3768
08 CAHA_GPS 241.6742 34.1370 -25.84 25.20 0.92 0.93 -0.14 -1.77 3.01 1990.2469 -- 1998.8260 8.5791
08 LEEP_GPS 241.6782 34.1346 -25.84 25.20 0.92 0.93 -0.14 -1.86 2.30 1995.3027 -- 2004.7398 9.4371
.. PVRS_GPS 241.6794 33.7739 -27.71 28.86 1.00 1.00 -0.12 -0.11 2.57 1999.1467 -- 2004.7398 5.5931
.. MAGI_GPS 241.6817 34.3862 -24.16 22.02 1.04 1.06 -0.09 -0.37 2.94 1992.1352 -- 1999.7767 7.6415
.. LASC_GPS 241.6935 33.9279 -26.74 26.77 0.98 0.98 -0.12 -2.00 2.51 1998.8260 -- 2004.7398 5.9138
.. PAJA_GPS 241.7054 35.1207 -10.24 13.24 1.15 1.23 -0.08 -1.77 3.72 1993.8945 -- 1997.5822 3.6877
.. VTIS_GPS 241.7062 33.7126 -26.91 30.33 0.99 0.99 -0.12 -1.50 2.53 1998.9658 -- 2004.7398 5.7741
.. RMGU_GPS 241.7077 28.8827 -35.13 35.34 1.49 1.42 -0.06 -7.64 5.00 1999.5000 -- 2002.2726 2.7726
19 GUAX_GPS 241.7103 28.8841 -35.76 34.95 1.07 1.02 -0.14 -1.68 3.06 2001.0671 -- 2004.7398 3.6727
19 GUAD_GPS 241.7107 28.8851 -35.76 34.95 1.07 1.02 -0.14 1.13 2.60 1989.3624 -- 2003.3219 13.9595
.. USC0_GPS 241.7138 34.0186 -27.11 29.28 2.31 2.16 -0.06 5.14 9.45 1992.3075 -- 1994.7877 2.4802
.. HBCO_GPS 241.7142 33.7836 -24.56 29.54 1.06 1.06 -0.11 -1.84 2.83 2001.1438 -- 2004.7398 3.5960
01 0152_GPS 241.7147 34.0203 -25.55 26.94 0.93 0.93 -0.14 0.48 12.15 1992.7910 -- 1994.7877 1.9967
01 USC1_GPS 241.7149 34.0239 -25.55 26.94 0.93 0.93 -0.14 -2.64 2.28 1994.9027 -- 2004.7398 9.8371
.. OVRO_130 241.7173 37.2315 -5.17 8.65 1.03 1.06 -0.09 6.90 3.27 VLBI data
.. GLEN_GPS 241.7174 34.1612 -26.50 24.88 1.26 1.31 -0.06 1.23 3.86 1991.1630 -- 1999.2699 8.1068
.. VDGO_GPS 241.7199 34.2151 -23.92 25.06 1.32 1.39 -0.05 -0.47 3.14 1990.2469 -- 1999.0589 8.8120
.. BRAN_GPS 241.7230 34.1849 -25.61 23.66 0.93 0.93 -0.14 -2.30 2.29 1994.9904 -- 2004.7398 9.7494
.. OV-VLBLA 241.7230 37.2317 -10.18 12.82 1.41 1.47 0.01 -59.23 5.65 VLBI data
.. dugo____ 241.7232 34.2154 -22.16 21.80 2.01 1.76 -0.45 -0.00 5.00 EDM data
.. TID8_GPS 241.7272 33.7198 -26.73 29.64 1.10 1.10 -0.10 -1.84 3.47 1991.2949 -- 1998.5219 7.2271
.. CRHS_GPS 241.7272 33.8235 -26.41 28.60 1.00 1.00 -0.12 0.39 2.57 1999.4022 -- 2004.7398 5.3376
.. GAIR_GPS 241.7304 29.0258 -35.58 35.32 1.08 1.04 -0.13 -4.05 2.57 1991.2288 -- 2002.2726 11.0438
.. SILK_GPS 241.7361 34.1029 -25.62 24.80 1.04 1.04 -0.11 -0.75 2.77 2000.8975 -- 2004.7398 3.8423
.. CSDH_GPS 241.7433 33.8615 -27.44 27.94 0.98 0.98 -0.12 0.92 2.49 1998.5219 -- 2004.7398 6.2179
.. 0048_GPS 241.7446 34.5033 -24.06 22.23 1.15 1.16 -0.08 -3.15 3.95 1991.8890 -- 1999.7767 7.8877
.. MTA1_GPS 241.7545 34.0552 -24.64 24.05 1.06 1.06 -0.10 3.00 2.86 2001.1438 -- 2004.7398 3.5960
.. QHTP_GPS 241.7552 34.6287 -16.73 18.99 0.99 0.99 -0.12 -0.96 2.56 1999.5000 -- 2004.7398 5.2398
.. siselsie 241.7609 34.2690 -24.88 21.75 1.21 1.07 0.01 0.58 4.99 EDM data
.. PKRD_GPS 241.7671 34.0716 -25.48 24.51 1.06 1.06 -0.10 -1.65 2.87 2000.7828 -- 2004.7398 3.9570
.. avenue__ 241.7799 34.7768 -10.59 16.57 1.12 1.10 -0.16 -0.66 4.92 EDM data
.. VDCY_GPS 241.7800 34.1786 -24.75 24.28 1.04 1.04 -0.11 -0.67 2.77 2000.9495 -- 2004.7398 3.7904
.. parker__ 241.7812 34.4598 -20.42 20.98 1.19 1.10 -0.12 -1.27 2.61 EDM data

.. 56_Z_GPS 241.7840 33.8682 -25.24 29.90 1.20 1.23 -0.10 -4.50 4.53 1992.7910 -- 1999.6342 6.8433
.. 07EH_GPS 241.7842 34.2107 -24.36 24.96 1.10 1.10 -0.12 -3.94 3.41 1992.8292 -- 1999.5000 6.6708
.. hauser__ 241.7844 34.5477 -18.79 20.43 1.06 1.09 -0.08 1.55 3.42 EDM data
.. MRGO_GPS 241.7854 34.6066 -14.87 18.70 2.59 2.94 -0.02 -2.13 3.94 1991.8890 -- 1997.5822 5.6932
.. CCCO_GPS 241.7888 33.8763 -22.48 29.09 0.99 0.99 -0.12 -6.40 2.54 1999.1467 -- 2004.7398 5.5931
.. ELSC_GPS 241.7916 34.0297 -25.75 23.38 1.00 0.99 -0.12 -4.51 2.57 1999.5000 -- 2004.7398 5.2398
.. OXYC_GPS 241.7927 34.1288 -25.37 23.87 1.00 0.99 -0.12 -0.97 2.57 1999.7959 -- 2004.7398 4.9439
.. TROP_GPS 241.7940 34.9920 -10.54 13.77 1.04 1.05 -0.09 0.82 2.87 1997.5082 -- 2002.7877 5.2795
.. JEFF_GPS 241.7969 34.0847 -24.25 25.67 1.20 1.11 -0.09 -4.65 2.85 1990.2469 -- 1999.2699 9.0230
.. RSTP_GPS 241.8071 34.8751 -11.19 15.75 0.98 0.98 -0.12 -1.84 2.54 1999.5000 -- 2004.7398 5.2398
B7 SOLE_GPS 241.8111 34.9825 -10.12 14.44 0.99 1.00 -0.13 0.37 2.87 1992.8292 -- 1999.7767 6.9475
B7 soledad_ 241.8112 34.9825 -9.32 15.07 1.15 1.13 -0.27 0.86 4.97 EDM data
.. BTDM_GPS 241.8118 34.2928 -23.66 22.65 1.00 1.00 -0.12 -1.05 2.61 2000.0997 -- 2004.7398 4.6401
B8 gln_ncer 241.8151 34.3869 -22.20 20.83 1.08 1.09 -0.04 -0.30 3.36 EDM data
B8 GLSN_GPS 241.8152 34.3869 -22.86 21.91 1.03 1.02 -0.10 -0.33 2.74 1992.7281 -- 1999.7767 7.0486
.. 07CI_GPS 241.8202 33.9513 -25.44 27.36 1.13 1.13 -0.10 -3.07 3.82 1992.7910 -- 1999.5521 6.7611
.. HOLY_GPS 241.8247 33.9303 -26.86 27.66 1.05 1.05 -0.12 0.46 2.97 1991.1630 -- 1999.6699 8.5068
.. JPL_7263 241.8267 34.2051 -25.76 22.24 1.20 1.27 -0.09 9.86 5.67 VLBI data
.. LBC2_GPS 241.8268 33.7916 -27.95 27.21 0.98 0.98 -0.12 1.67 2.51 1998.8260 -- 2004.7398 5.9138
21 JPLM_GPS 241.8268 34.2048 -25.50 23.94 0.91 0.90 -0.14 -0.33 2.21 1989.3624 -- 2004.7398 15.3774
.. 07DI_GPS 241.8289 34.0632 -25.03 23.88 1.13 1.14 -0.09 -2.53 3.56 1992.7910 -- 1999.5000 6.7090
21 JPLA_GPS 241.8290 34.2047 -25.50 23.94 0.91 0.90 -0.14 -8.99 5.43 1989.2500 -- 1993.5767 4.3267
.. DAWS_GPS 241.8366 33.7997 -25.76 26.21 2.51 2.35 -0.03 10.19 10.58 1990.2469 -- 1993.5767 3.3298
.. BGIS_GPS 241.8403 33.9671 -26.84 25.42 0.99 0.99 -0.12 -6.39 2.57 1999.2699 -- 2004.7398 5.4699
.. PORT_GPS 241.8428 35.0871 -9.40 13.57 1.01 1.01 -0.11 -4.00 2.67 1991.3905 -- 2000.3975 9.0070
.. JSPH_GPS 241.8461 34.2856 -18.89 22.94 1.12 1.11 -0.09 0.72 3.07 1991.6808 -- 1997.1603 5.4795
.. PMHS_GPS 241.8463 33.9026 -26.08 26.24 0.98 0.99 -0.12 -6.76 2.54 1998.6178 -- 2004.7398 6.1220
.. 0027_GPS 241.8537 34.7541 -12.96 15.89 1.26 1.14 -0.01 -9.73 3.49 1991.8890 -- 1999.6699 7.7808
.. LINJ_GPS 241.8608 34.6620 -13.76 18.46 0.95 0.95 -0.12 -5.74 2.43 1998.1027 -- 2004.7398 6.6371
.. LBC1_GPS 241.8628 33.8321 -25.87 27.48 0.86 0.86 -0.16 -8.48 31.67 1998.8260 -- 2004.7398 5.9138
.. 07FI_GPS 241.8638 34.3794 -23.86 21.82 1.22 1.13 -0.10 -4.13 3.38 1992.8292 -- 1999.5521 6.7228
.. KMED_GPS 241.8643 36.0233 -9.11 9.38 0.90 0.91 -0.13 -0.28 2.31 1993.6753 -- 2003.4973 9.8219
.. 3188_GPS 241.8678 36.4661 -8.32 8.36 0.91 0.92 -0.12 0.30 2.41 1993.6753 -- 2001.8726 8.1973
.. CIT1_GPS 241.8727 34.1367 -23.67 23.76 0.92 0.92 -0.14 0.32 2.27 1994.6890 -- 2004.7398 10.0508
.. DYHS_GPS 241.8740 33.9380 -30.89 25.11 0.98 0.98 -0.12 -3.50 2.52 1998.6178 -- 2004.7398 6.1220
.. VNPS_GPS 241.8788 34.5015 -19.90 20.49 0.99 0.99 -0.12 -0.57 2.57 1999.7767 -- 2004.7398 4.9631
.. BAMA_GPS 241.8805 36.6026 -7.85 7.77 0.91 0.93 -0.12 0.53 2.47 1993.6753 -- 2001.8726 8.1973
.. GVRS_GPS 241.8871 34.0474 -25.26 24.71 1.03 1.03 -0.11 -2.36 2.72 2000.7828 -- 2004.7398 3.9570
.. ALPN_GPS 241.8908 34.5436 -18.77 19.62 1.32 1.31 -0.04 -3.02 4.04 1991.8890 -- 1999.6342 7.7452
.. SGHS_GPS 241.8910 34.0886 -22.83 23.41 1.00 1.00 -0.12 -3.74 2.61 1999.8151 -- 2004.7398 4.9247
.. dispoint 241.8948 34.2466 -23.14 19.79 1.28 1.26 0.10 -0.02 5.00 EDM data
.. GS02_GPS 241.8995 35.4945 -10.14 10.53 0.95 0.95 -0.11 -1.50 2.50 1994.6123 -- 2002.8542 8.2419
.. LOFT_GPS 241.9028 34.5218 -20.03 19.81 1.94 1.94 -0.03 0.41 4.58 1993.5767 -- 1999.2699 5.6932
.. BKMS_GPS 241.9053 33.9623 -28.66 30.75 0.97 0.97 -0.12 -0.94 2.48 1998.6178 -- 2004.7398 6.1220
.. 0149_GPS 241.9086 34.1614 -23.88 25.36 2.50 2.50 -0.12 14.53 11.11 1992.7910 -- 1994.9027 2.1118
.. 1201_GPS 241.9117 33.7375 -24.94 29.70 1.30 1.04 -0.08 -3.10 2.92 1991.2949 -- 1999.0589 7.7640
.. GS01_GPS 241.9176 35.2251 -9.96 12.21 0.95 0.96 -0.12 -0.09 2.54 1994.6123 -- 2002.7877 8.1753
.. BEPK_GPS 241.9259 35.8784 -8.15 10.47 1.02 1.03 -0.10 -0.60 2.81 2001.3390 -- 2004.7398 3.4008
.. WNRA_GPS 241.9407 34.0432 -24.68 25.78 1.03 1.03 -0.11 -6.53 2.73 2000.7828 -- 2004.7398 3.9570
60 WLSN_GPS 241.9441 34.2261 -23.80 22.27 0.90 0.90 -0.14 -2.07 2.27 1994.5548 -- 2004.7398 10.1850
.. LANW_GPS 241.9448 33.9167 -25.45 25.57 1.05 1.04 -0.11 -3.87 3.01 1991.2288 -- 1998.7610 7.5322
60 ECRK_GPS 241.9450 34.2249 -23.80 22.27 0.90 0.90 -0.14 -1.17 2.85 1987.7400 -- 1997.1603 9.4203
.. PSWB_GPS 241.9467 34.1139 -25.10 24.17 1.23 1.30 -0.09 -6.31 3.60 1990.9131 -- 1997.0616 6.1486
.. CHIC_GPS 241.9503 33.7104 -26.19 31.29 1.73 1.87 -0.03 -13.73 6.09 1991.2288 -- 1994.7877 3.5589
.. FLOO_GPS 241.9569 33.7738 -26.44 28.71 1.04 1.04 -0.11 -8.76 2.94 1991.2288 -- 1998.7610 7.5322
.. GS03_GPS 241.9646 35.6678 -9.08 10.37 0.98 0.99 -0.10 -1.66 2.67 1996.3921 -- 2002.8542 6.4621
.. pacifico 241.9653 34.3818 -21.03 19.38 1.09 1.25 0.02 0.07 2.22 EDM data
.. WHC1_GPS 241.9688 33.9799 -26.22 24.76 0.93 0.93 -0.14 -5.11 2.29 1995.2260 -- 2004.7398 9.5138
.. RHCL_GPS 241.9738 34.0190 -24.97 25.36 0.99 0.99 -0.12 -1.78 2.55 1999.0589 -- 2004.7398 5.6809
.. CHIL_GPS 241.9740 34.3334 -22.56 21.19 0.92 0.92 -0.13 -0.10 2.27 1994.6890 -- 2004.7398 10.0508
.. LONG_GPS 241.9966 34.1119 -25.60 24.44 0.93 0.93 -0.13 -3.69 2.30 1994.9027 -- 2004.7398 9.8371
61 WOR2_GPS 241.9970 33.9916 -26.60 25.42 1.06 1.00 -0.12 -0.21 4.93 1991.0918 -- 1997.1603 6.0685
61 WORK_GPS 241.9971 33.9917 -26.60 25.42 1.06 1.00 -0.12 -4.07 3.07 1987.7400 -- 1997.2452 9.5052
.. NEST_GPS 242.0002 34.3460 -24.27 21.53 1.05 1.06 -0.11 0.72 3.27 1992.1352 -- 1998.7610 6.6258
.. 0702_GPS 242.0005 34.0776 -26.58 24.03 1.10 1.09 -0.09 1.41 3.36 1991.1630 -- 1999.2699 8.1068
.. JBON_GPS 242.0043 35.3362 -8.09 11.95 1.22 1.10 -0.06 -1.19 3.19 1994.2644 -- 2002.2726 8.0082
.. VYAS_GPS 242.0080 34.0309 -21.41 26.05 0.97 0.97 -0.12 -3.12 2.48 1998.6178 -- 2004.7398 6.1220
.. GS22_GPS 242.0305 35.8453 -8.21 10.28 0.97 0.99 -0.10 -0.43 2.67 1996.3921 -- 2002.8542 6.4621
.. CGDM_GPS 242.0351 34.2440 -22.75 22.23 1.12 1.13 -0.09 -1.10 3.16 2001.9685 -- 2004.7398 2.7713
.. GS15_GPS 242.0389 35.4258 -9.87 10.55 0.94 0.95 -0.12 -0.82 2.50 1994.6123 -- 2002.7877 8.1753
.. LPHS_GPS 242.0433 34.0268 -27.39 26.84 0.99 0.99 -0.12 -2.83 2.50 1998.6178 -- 2004.7398 6.1220
.. BM25_GPS 242.0560 36.0446 -8.65 10.12 0.96 0.97 -0.11 2.21 2.72 1994.9027 -- 2003.4973 8.5945
.. LASE_GPS 242.0577 33.7928 -26.44 28.63 1.06 1.03 -0.12 0.00 3.02 1989.2500 -- 1997.0616 7.8116
.. SNHS_GPS 242.0714 33.9273 -24.43 26.54 1.00 1.00 -0.12 -1.24 2.56 1999.2699 -- 2004.7398 5.4699
34 PBPP_GPS 242.0774 34.5082 -17.03 18.32 0.94 0.93 -0.13 -0.17 3.14 2002.1822 -- 2004.7398 2.5576

34 tank____ 242.0776 34.5001 -16.13 18.39 1.19 1.27 -0.10 -17.06 4.78 EDM data
.. PEAR7254 242.0776 34.5121 -14.10 21.04 1.36 1.62 -0.04 -10.18 9.58 VLBI data
34 PEAR_GPS 242.0776 34.5121 -17.03 18.32 0.94 0.93 -0.13 -0.96 2.51 1991.0918 -- 2000.3975 9.3058
.. GABB_GPS 242.0836 38.9703 -3.02 1.57 0.91 0.93 -0.10 -1.73 2.48 1999.3630 -- 2004.7398 5.3768
.. WCHS_GPS 242.0889 34.0619 -26.45 24.93 1.00 1.00 -0.12 -2.81 2.54 1999.1467 -- 2004.7398 5.5931
.. FIFT_GPS 242.0914 33.7483 -26.03 30.44 1.25 1.32 -0.14 -10.12 4.71 1991.2288 -- 1998.7610 7.5322
.. GS04_GPS 242.0934 36.2035 -7.76 6.85 0.93 0.94 -0.11 -3.21 2.47 1994.6123 -- 2002.9036 8.2913
.. CVHS_GPS 242.0983 34.0820 -26.51 23.80 0.98 0.98 -0.12 -3.90 2.48 1998.6178 -- 2004.7398 6.1220
.. tom_____ 242.1014 34.6311 -11.71 15.49 1.34 1.47 -0.35 -0.04 3.52 EDM data
.. GS09_GPS 242.1023 35.1155 -9.59 12.98 0.95 0.96 -0.11 0.14 2.55 1994.6123 -- 2002.7877 8.1753
.. AZU1_GPS 242.1035 34.1260 -24.47 22.69 0.95 0.95 -0.13 -3.23 2.38 1996.5642 -- 2004.7398 8.1756
.. SACY_GPS 242.1044 33.7432 -24.62 25.54 0.86 0.86 -0.16 -17.44 33.91 1999.5521 -- 2004.7398 5.1878
.. BREA_GPS 242.1086 33.9553 -22.38 26.89 1.85 1.83 -0.04 -7.21 7.92 1991.2288 -- 1994.9904 3.7616
.. FORK_GPS 242.1157 36.0625 -6.48 7.10 0.94 0.95 -0.12 -1.32 2.62 1992.2339 -- 2003.4973 11.2633
47 SNTZ_GPS 242.1163 34.0425 -24.43 23.86 0.99 0.97 -0.13 4.43 3.92 1987.7400 -- 1993.8945 6.1545
47 SNT0_GPS 242.1165 34.0425 -24.43 23.86 0.99 0.97 -0.13 -2.12 2.80 1991.8890 -- 1998.5219 6.6329
.. GS18_GPS 242.1297 35.5838 -9.57 10.17 0.94 0.95 -0.11 -2.10 2.48 1994.6123 -- 2002.8542 8.2419
.. V511_GPS 242.1343 36.0614 -5.65 4.67 0.96 0.97 -0.11 -4.71 2.68 1994.9027 -- 2003.4973 8.5945
.. CCCS_GPS 242.1351 33.8627 -25.07 25.18 0.99 0.98 -0.12 -3.22 2.53 1999.1467 -- 2004.7398 5.5931
.. TTAP_GPS 242.1362 34.9845 -9.80 13.93 0.95 0.95 -0.12 2.04 2.48 1994.6123 -- 2002.9877 8.3753
.. DVPB_GPS 242.1399 34.4134 -19.47 19.99 1.03 1.02 -0.11 -0.66 2.57 1999.6342 -- 2004.7398 5.1056
.. SPMS_GPS 242.1512 33.9927 -24.00 24.23 0.98 0.98 -0.12 -2.74 2.48 1998.6534 -- 2004.7398 6.0864
20 HOLC_GPS 242.1548 34.4582 -17.79 18.92 0.90 0.90 -0.14 -0.67 2.27 1994.6890 -- 2004.7398 10.0508
20 HOL3_GPS 242.1549 34.4582 -17.79 18.92 0.90 0.90 -0.14 -0.12 2.77 2001.1438 -- 2004.7398 3.5960
.. BURN_GPS 242.1565 42.7795 -1.41 0.92 0.86 0.90 -0.07 -2.49 2.40 1999.0589 -- 2004.7398 5.6809
.. LLAS_GPS 242.1621 34.5860 -13.20 15.72 1.04 1.02 -0.10 -3.98 2.58 1999.6342 -- 2004.7398 5.1056
.. LL01_GPS 242.1650 34.4855 -16.67 18.55 1.02 1.02 -0.11 -0.45 2.73 2000.9495 -- 2004.7398 3.7904
.. GRMC_GPS 242.1721 35.4182 -7.25 9.14 2.54 1.98 -0.02 -1.45 5.33 1999.0589 -- 2001.5384 2.4795
.. CHMS_GPS 242.1723 34.6405 -12.97 15.88 1.06 1.04 -0.10 -1.34 2.59 1999.6699 -- 2004.7398 5.0699
70 SJOA_GPS 242.1836 33.6023 -26.69 30.68 1.24 1.25 -0.11 -4.83 5.26 1991.2288 -- 1994.9027 3.6740
70 san_joaq 242.1880 33.6060 -27.50 30.26 1.13 1.10 -0.21 0.31 4.91 EDM data
.. INYO_GPS 242.1882 35.6474 -8.07 10.73 0.99 0.98 -0.11 -3.94 2.77 1991.3905 -- 2000.3975 9.0070
.. GS29_GPS 242.1907 35.9816 -4.55 13.91 1.07 1.08 -0.08 1.48 3.25 1996.3921 -- 2000.3975 4.0055
.. COSO_GPS 242.1911 35.9823 -2.88 14.38 0.88 0.89 -0.13 -6.61 2.22 1994.6123 -- 2004.7398 10.1275
.. PSDM_GPS 242.1929 34.0918 -23.96 23.42 0.99 0.99 -0.12 -1.10 2.56 1999.8205 -- 2004.7398 4.9193
.. DMAS_GPS 242.1947 34.1558 -23.32 22.56 1.02 1.02 -0.11 -0.84 2.90 1994.4781 -- 1998.9658 4.4877
.. TRAK_GPS 242.1966 33.6179 -26.25 28.25 0.94 0.94 -0.13 -1.55 2.32 1993.5767 -- 2004.7398 11.1631
.. DBAR_GPS 242.2045 34.0032 -24.31 23.89 1.03 1.02 -0.11 -2.95 2.93 1995.1493 -- 1999.6342 4.4849
.. CERR_GPS 242.2132 36.5377 -6.71 5.15 0.91 0.93 -0.11 -1.33 2.53 1994.9027 -- 2003.4973 8.5945
.. YORB_GPS 242.2136 33.8678 -22.42 29.71 2.88 2.77 0.02 -5.93 8.23 1991.2288 -- 1993.5767 2.3479
.. LEMO_GPS 242.2147 33.8237 -24.94 28.45 1.86 2.02 -0.03 6.12 7.26 1991.2288 -- 1994.9904 3.7616
.. WEYM_GPS 242.2225 34.1109 -24.48 23.69 1.16 1.17 -0.10 0.29 4.26 1994.6123 -- 1998.5219 3.9096
.. GS44_GPS 242.2278 35.9512 -4.71 11.69 1.18 1.21 -0.07 -7.67 3.86 1999.8479 -- 2002.9036 3.0557
.. CAMP_GPS 242.2337 34.2217 -22.98 21.49 1.05 1.04 -0.10 1.48 2.90 1992.1352 -- 1998.6178 6.4826
.. 0705_GPS 242.2349 34.4927 -16.70 16.90 1.17 1.01 -0.10 -2.02 2.74 1991.3905 -- 2000.3975 9.0070
.. bad_pow_ 242.2353 34.3583 -18.97 17.78 1.20 1.82 0.16 0.91 4.94 EDM data
.. GS35_GPS 242.2442 36.2169 -6.49 6.89 1.48 1.52 -0.05 -1.86 5.51 1998.3849 -- 2000.3975 2.0126
.. LORS_GPS 242.2459 34.1333 -22.86 22.42 1.01 1.01 -0.11 -0.67 2.56 1999.7767 -- 2004.7398 4.9631
.. GS21_GPS 242.2526 35.8232 -10.51 9.85 0.93 0.94 -0.12 -2.63 2.46 1994.6123 -- 2002.9036 8.2913
C7 lomas___ 242.2534 33.7652 -25.84 27.72 1.11 1.06 -0.11 -2.10 4.91 EDM data
C7 OEOC_GPS 242.2559 33.7659 -25.17 27.90 1.10 1.09 -0.10 -1.78 3.36 2002.4397 -- 2004.7398 2.3001
.. GS19_GPS 242.2604 35.6597 -8.36 10.49 0.93 0.93 -0.12 -0.12 2.39 1994.6123 -- 2002.9036 8.2913
46 SJU5_GPS 242.2618 33.9137 -23.89 25.93 0.94 0.93 -0.13 -5.81 3.32 1989.2500 -- 1995.8178 6.5678
46 san_juan 242.2619 33.9138 -23.67 26.36 1.08 1.05 0.01 1.58 4.81 EDM data
46 SJUA_GPS 242.2619 33.9138 -23.89 25.93 0.94 0.93 -0.13 1.29 2.47 1987.7400 -- 1999.6342 11.8942
78 niguel__ 242.2658 33.5125 -26.13 30.62 1.22 1.06 -0.15 0.83 4.92 EDM data
78 NIGU_GPS 242.2697 33.5145 -26.54 30.79 0.97 0.95 -0.14 -2.94 2.54 1986.4657 -- 1997.0616 10.5960
.. VERN_GPS 242.2743 34.1370 -23.59 21.93 0.97 0.97 -0.12 -3.53 2.58 1991.1630 -- 1999.5000 8.3370
.. TWMS_GPS 242.2745 33.9725 -23.50 24.11 1.07 1.06 -0.10 -1.46 2.90 2001.5384 -- 2004.7398 3.2015
.. KITE_GPS 242.2836 33.5543 -27.26 30.20 1.08 1.02 -0.10 -0.08 2.82 1991.2288 -- 1999.0589 7.8301
.. HMCP_GPS 242.2877 34.1066 -21.44 20.66 0.94 0.93 -0.13 -0.24 2.36 1993.9795 -- 2003.8370 9.8575
.. DANA_GPS 242.2907 33.4642 -26.65 30.41 1.02 1.02 -0.12 -3.27 2.79 1991.2288 -- 1999.6342 8.4055
.. CLAR_GPS 242.2912 34.1099 -21.98 21.43 0.93 0.93 -0.13 -0.49 2.29 1995.3027 -- 2004.7398 9.4371
.. GS16_GPS 242.2935 35.4703 -8.16 10.55 0.94 0.95 -0.11 -3.29 2.47 1994.6123 -- 2002.9036 8.2913
.. PAOS_GPS 242.2936 35.5130 -7.49 9.37 1.15 1.14 -0.08 0.05 3.26 1997.5082 -- 2001.5384 4.0301
.. MDAY_GPS 242.2941 34.7430 -10.13 15.37 1.07 1.05 -0.09 -0.70 3.01 1991.0918 -- 2000.5287 9.4369
.. bee_____ 242.3004 33.7290 -24.47 27.95 1.12 1.03 -0.12 -0.33 4.82 EDM data
.. PHLB_GPS 242.3055 34.9254 -9.60 14.34 0.97 0.98 -0.11 -2.10 2.55 1999.5000 -- 2004.7398 5.2398
.. JOBU_GPS 242.3079 35.3370 -7.54 11.66 0.92 0.93 -0.12 0.37 2.34 1991.3905 -- 2002.7877 11.3971
.. SUNP_GPS 242.3106 34.2163 -22.33 21.67 1.05 1.04 -0.10 0.01 3.08 1994.4781 -- 1998.6534 4.1753
.. PSEB_GPS 242.3115 34.1213 -22.50 22.72 1.07 1.07 -0.11 1.24 3.06 1990.9131 -- 1997.1603 6.2472
.. RAMT_GPS 242.3167 35.3387 -7.22 11.99 1.02 1.03 -0.10 -1.58 2.79 2001.2753 -- 2004.7398 3.4645
.. 1202_GPS 242.3195 33.4693 -26.44 29.18 1.02 1.01 -0.12 -3.01 2.90 1991.2949 -- 1999.6342 8.3394
.. TABL_GPS 242.3217 34.3818 -18.35 18.42 0.94 0.93 -0.13 0.43 2.31 1995.8178 -- 2004.7398 8.9220
.. ant_aux_ 242.3248 34.2485 -18.64 20.15 1.52 2.27 0.42 -0.01 5.00 EDM data

.. 6813_GPS 242.3248 36.1504 -8.07 5.00 0.93 0.95 -0.11 -1.27 2.61 1994.9027 -- 2003.4973 8.5945
.. AN22_GPS 242.3249 34.2485 -23.64 19.54 1.12 1.11 -0.09 -3.61 3.40 1991.0918 -- 1997.1603 6.0685
.. GS34_GPS 242.3276 36.0943 -9.67 6.66 1.54 1.51 -0.04 0.36 4.85 1998.3849 -- 2000.3975 2.0126
.. CCCC_GPS 242.3288 35.5653 -7.86 10.35 1.02 1.03 -0.10 -1.33 2.80 2001.3390 -- 2004.7398 3.4008
.. black___ 242.3372 33.8063 -24.24 27.21 1.13 1.01 -0.09 -0.89 4.96 EDM data
.. SBCC_GPS 242.3385 33.5530 -25.54 28.41 1.01 1.00 -0.12 -0.62 2.60 1999.8562 -- 2004.7398 4.8836
C0 sier____ 242.3463 33.8502 -24.01 27.11 1.03 1.02 -0.09 0.02 4.49 EDM data
C0 SIER_GPS 242.3469 33.8492 -23.64 27.01 1.01 1.00 -0.12 -2.79 3.02 1991.2288 -- 1999.2699 8.0411
.. WHYT_GPS 242.3565 33.6745 -25.59 28.47 1.09 1.08 -0.10 -1.09 3.00 2001.8726 -- 2004.7398 2.8672
.. P166_GPS 242.3590 36.3069 -5.73 5.04 0.88 0.89 -0.13 -0.73 2.26 1991.3905 -- 2003.4973 12.1067
.. QUAR_GPS 242.3645 34.1324 -22.80 22.96 1.03 1.03 -0.11 -3.28 3.32 1994.4781 -- 1999.6342 5.1562
.. SCMS_GPS 242.3654 33.4441 -26.18 29.60 1.02 1.01 -0.12 -2.49 2.68 1998.6534 -- 2004.7398 6.0864
.. GS42_GPS 242.3684 36.1069 -7.67 6.16 1.17 1.19 -0.07 -4.27 3.75 1999.8260 -- 2002.8542 3.0282
.. 0806_GPS 242.3858 35.3662 -7.08 11.82 1.09 1.03 -0.10 -1.41 2.51 1991.3905 -- 2002.2726 10.8821
.. LEEF_GPS 242.3876 36.4972 -5.31 4.25 0.92 0.94 -0.11 2.42 2.57 1993.7986 -- 2002.7438 8.9452
.. CNPP_GPS 242.3911 33.8576 -23.03 25.91 1.00 1.00 -0.11 -0.53 2.63 2000.2090 -- 2004.7398 4.5308
.. ANGA_GPS 242.3952 34.1719 -21.33 24.20 1.06 1.07 -0.13 -2.37 3.42 1991.6808 -- 1997.9000 6.2192
.. CUTT_GPS 242.3952 34.3616 -15.59 21.88 1.37 1.34 -0.05 -6.00 5.48 1991.6808 -- 1995.8178 4.1370
.. OAKD_GPS 242.4020 33.8473 -23.70 26.31 0.99 0.99 -0.12 -3.23 2.65 1990.1739 -- 2000.3975 10.2237
.. GS46_GPS 242.4079 35.8751 -7.54 9.00 1.15 1.16 -0.06 -2.31 3.76 1999.8644 -- 2002.9036 3.0392
.. GS50_GPS 242.4085 35.0829 -9.18 12.84 1.18 1.19 -0.04 -0.62 3.78 1999.8836 -- 2002.7877 2.9041
.. GS11_GPS 242.4152 35.4288 -7.20 10.51 1.00 1.01 -0.09 -3.58 2.77 1996.3921 -- 2002.9036 6.5115
.. T19S_GPS 242.4172 36.2317 -5.96 6.34 0.96 0.98 -0.10 -3.48 2.88 1996.1407 -- 2003.4973 7.3565
.. CPBN_GPS 242.4270 35.0717 -8.56 13.00 1.16 1.16 -0.08 -1.86 3.33 2001.0671 -- 2002.9877 1.9205
.. NOCO_GPS 242.4304 33.9197 -23.05 25.10 1.00 1.00 -0.11 -0.48 2.62 2000.2090 -- 2004.7398 4.5308
.. 0301_GPS 242.4348 33.3753 -25.96 28.85 1.04 1.04 -0.12 -0.27 2.88 1991.2288 -- 1999.9274 8.6986
.. FLTS_GPS 242.4388 36.5187 -3.72 2.78 0.91 0.93 -0.12 0.44 2.51 1993.7986 -- 2002.7438 8.9452
31 NR58_GPS 242.4390 33.9344 -23.20 25.48 0.99 0.99 -0.12 -1.01 2.97 1999.2699 -- 2004.5158 5.2460
31 NORC_GPS 242.4395 33.9347 -23.20 25.48 0.99 0.99 -0.12 -0.25 3.22 1991.1630 -- 1999.7767 8.6137
.. GS45_GPS 242.4430 36.0022 -6.33 6.93 1.12 1.15 -0.07 -3.24 3.54 1999.8260 -- 2002.9036 3.0776
.. GS17_GPS 242.4432 35.5694 -8.50 9.07 0.94 0.95 -0.11 1.37 2.50 1994.6123 -- 2002.8542 8.2419
.. MJPK_GPS 242.4495 33.7145 -24.08 27.23 1.06 1.06 -0.10 -0.93 2.86 2001.5603 -- 2004.7398 3.1795
.. L166_GPS 242.4501 36.2791 -6.18 4.55 0.96 0.99 -0.10 -3.64 2.93 1996.1407 -- 2003.4973 7.3565
.. LIMP_GPS 242.4511 33.9752 -22.72 25.37 1.10 1.08 -0.15 -2.78 4.30 1991.6808 -- 1999.5521 7.8712
.. 0819_GPS 242.4526 33.8842 -23.33 25.87 0.99 1.00 -0.12 -1.97 2.81 1991.2949 -- 1999.5000 8.2051
.. GS43_GPS 242.4536 36.0668 -7.11 7.24 1.14 1.16 -0.07 -2.54 3.62 1999.8260 -- 2002.8542 3.0282
.. GS26_GPS 242.4580 35.7401 -7.25 7.65 1.07 1.09 -0.08 0.02 3.27 1996.3921 -- 2000.8975 4.5055
.. JKAS_GPS 242.4597 36.5317 -4.78 3.36 0.91 0.93 -0.12 2.21 2.49 1993.7986 -- 2002.7438 8.9452
.. DAYZ_GPS 242.4622 34.1725 -21.62 23.22 1.09 1.09 -0.09 -2.93 3.30 1994.5548 -- 1997.9658 3.4110
85 SAN1_GPS 242.4649 33.7088 -24.58 27.26 1.04 1.03 -0.11 -3.37 3.29 1991.2288 -- 1997.2452 6.0164
85 santiago 242.4658 33.7106 -24.04 28.22 0.99 1.03 -0.11 0.56 3.20 EDM data
.. STEE_GPS 242.4704 34.0769 -26.69 23.85 0.99 0.99 -0.12 -2.53 2.90 1991.6808 -- 1999.6342 7.9534
.. 0805_GPS 242.4708 35.0072 -8.68 12.22 2.43 1.73 -0.02 2.07 4.22 1991.3905 -- 2000.3975 9.0070
.. EWPP_GPS 242.4744 34.1042 -21.90 22.61 1.00 1.01 -0.11 -1.10 2.54 1999.2699 -- 2004.7398 5.4699
.. ARGU_GPS 242.4781 36.0500 -6.44 6.44 0.97 0.97 -0.11 -2.45 2.58 1999.5000 -- 2004.7398 5.2398
.. SANO_GPS 242.4869 34.0182 -22.34 24.27 0.94 0.95 -0.13 -1.07 2.34 1990.1739 -- 2004.5158 14.3420
.. FMTH_GPS 242.4950 35.2133 -7.98 11.35 1.11 1.13 -0.07 0.30 3.31 1999.0589 -- 2002.9877 3.9288
.. SANS_GPS 242.4958 34.2115 -17.21 22.18 1.19 1.15 -0.08 -1.46 2.89 1991.6808 -- 1998.6534 6.9726
.. JIMG_GPS 242.5031 34.9771 -10.30 12.14 1.80 1.71 -0.05 2.03 5.67 1992.0669 -- 1994.7877 2.7207
.. GS24_GPS 242.5178 35.9250 -7.00 5.66 0.97 0.98 -0.10 -0.07 2.70 1994.6890 -- 2000.8975 6.2085
.. BELA_GPS 242.5202 33.5232 -25.68 29.30 1.92 1.99 -0.05 -5.42 5.78 1991.2288 -- 1994.9027 3.6740
.. CJMS_GPS 242.5206 34.3138 -17.37 18.00 1.02 1.01 -0.11 0.62 2.57 1998.9658 -- 2004.7398 5.7741
.. HNTR_GPS 242.5208 36.5724 -4.50 3.42 0.91 0.93 -0.12 0.33 2.49 1993.7986 -- 2002.7438 8.9452
.. arling__ 242.5286 33.8711 -22.47 25.61 1.08 1.13 -0.12 -0.11 3.50 EDM data
.. GS48_GPS 242.5411 35.5843 -7.68 10.18 1.25 1.22 -0.03 -3.73 4.00 1999.8836 -- 2002.8542 2.9707
.. GS27_GPS 242.5462 36.0529 -5.62 5.68 0.97 0.97 -0.10 -0.75 2.62 1996.3921 -- 2002.8542 6.4621
.. CAJO_GPS 242.5489 34.3472 -12.28 15.90 1.09 1.08 -0.10 0.38 2.81 1990.9131 -- 2000.3975 9.4845
89 jurup_an 242.5572 34.0324 -19.40 24.20 1.46 1.18 -0.13 0.04 5.00 EDM data
89 JUR3_GPS 242.5572 34.0324 -19.43 24.00 1.07 1.04 -0.11 -5.57 2.84 1990.9131 -- 1999.6342 8.7212
25 MATH_GPS 242.5632 33.8567 -22.37 25.02 0.91 0.91 -0.14 -0.42 2.33 1993.3603 -- 2002.1822 8.8219
25 MAT2_GPS 242.5633 33.8568 -22.37 25.02 0.91 0.91 -0.14 0.56 2.80 2001.3390 -- 2004.7398 3.4008
.. 13DD_GPS 242.5758 36.3396 -5.34 4.48 0.94 0.96 -0.10 -1.66 2.68 1996.1407 -- 2003.4973 7.3565
.. HAWE_GPS 242.5816 34.9481 -8.74 12.54 2.00 1.65 -0.08 5.54 5.16 1991.0918 -- 1994.7877 3.6959
.. ECFS_GPS 242.5883 33.6477 -23.45 26.82 1.08 1.07 -0.10 -0.73 2.92 2001.6726 -- 2004.7398 3.0672
.. GS20_GPS 242.5993 35.7685 -6.08 7.02 0.93 0.94 -0.11 -2.22 2.48 1994.6890 -- 2002.8542 8.1652
.. GHRP_GPS 242.6021 34.2039 -17.65 17.89 1.03 1.03 -0.10 -1.13 2.58 1999.5000 -- 2004.7398 5.2398
.. 6106_GPS 242.6038 34.0383 -20.49 23.36 1.08 1.12 -0.11 2.48 2.85 1991.6808 -- 2004.5158 12.8350
.. BALD_GPS 242.6061 34.4625 -12.28 15.46 2.39 2.06 0.01 2.19 5.93 1991.1630 -- 1995.8178 4.6548
.. SCIA_GPS 242.6117 34.6074 -11.48 14.84 1.03 1.03 -0.10 -0.66 2.63 1999.2699 -- 2004.7398 5.4699
.. CLSA_GPS 242.6196 34.0036 -20.59 23.41 1.08 1.20 -0.10 0.30 2.78 1993.0973 -- 2003.4973 10.4000
.. LAKE_GPS 242.6454 33.6200 -23.52 27.93 1.06 1.06 -0.14 -5.71 3.19 1990.1739 -- 1999.6342 9.4604
.. RTHS_GPS 242.6467 34.0891 -19.68 21.88 0.98 0.99 -0.12 -2.72 2.47 1998.5219 -- 2004.7398 6.2179
.. elsinore 242.6567 33.6024 -25.33 26.74 1.09 1.16 -0.00 -0.34 4.97 EDM data
.. 6108_GPS 242.6580 34.2124 -24.16 13.03 1.94 1.92 -0.02 21.96 7.61 1991.6808 -- 2004.5158 12.8350
.. GS12_GPS 242.6665 35.4337 -7.03 8.91 0.94 0.95 -0.12 -1.86 2.49 1994.6123 -- 2002.9036 8.2913

.. 0914_GPS 242.6713 35.9779 -4.48 5.09 1.06 1.01 -0.10 2.04 3.10 1991.3905 -- 2000.3975 9.0070
.. TRN1_GPS 242.6725 35.8127 -5.02 5.47 0.98 0.98 -0.10 -2.94 2.79 1994.6890 -- 2000.3975 5.7085
.. ida_____ 242.6769 33.7984 -22.78 24.94 1.00 1.17 -0.10 0.71 4.92 EDM data
.. MLFP_GPS 242.6820 33.9184 -21.28 24.27 1.00 1.01 -0.11 -0.76 2.53 1999.0589 -- 2004.7398 5.6809
.. GS47_GPS 242.6833 35.2139 -7.57 11.20 1.12 1.16 -0.06 -1.08 3.65 1999.8836 -- 2002.9877 3.1041
.. LAST_GPS 242.6908 33.8374 -21.91 25.46 1.00 1.00 -0.12 -1.89 2.69 1991.2949 -- 2000.3975 9.1027
.. U471_GPS 242.6966 34.1121 -18.81 20.69 1.03 1.09 -0.11 -5.04 3.09 1993.5767 -- 2004.5158 10.9391
.. M137_GPS 242.7002 36.3490 -4.13 4.30 0.93 0.95 -0.10 -1.14 2.66 1994.9027 -- 2003.4973 8.5945
.. MILU_GPS 242.7080 34.2814 -14.50 17.47 1.18 1.20 -0.07 -0.36 3.13 1990.9131 -- 2000.2090 9.2959
.. GS25_GPS 242.7109 35.9132 -5.47 5.27 0.93 0.93 -0.11 0.50 2.50 1994.6890 -- 2002.8542 8.1652
.. 0911_GPS 242.7205 36.4016 -4.26 3.46 0.92 0.93 -0.12 -0.90 2.55 1991.3905 -- 2003.4973 12.1067
.. 1107_GPS 242.7230 33.1295 -27.36 29.87 1.04 1.06 -0.13 -0.57 2.97 1991.2949 -- 1999.9274 8.6325
.. J7ZZ_GPS 242.7254 35.3411 -6.48 8.96 1.39 1.19 -0.06 1.12 3.06 1994.2644 -- 2002.2726 8.0082
.. AWHD_GPS 242.7268 34.1835 -15.72 19.61 1.53 1.63 -0.06 0.28 7.32 2002.5384 -- 2004.5158 1.9775
.. BRYN_GPS 242.7344 34.0632 -18.17 21.63 1.15 1.30 -0.08 -6.55 2.95 1991.6808 -- 2004.5158 12.8350
57 WDW2_GPS 242.7458 32.7001 -27.37 29.38 1.05 1.11 -0.10 11.96 3.17 1998.8260 -- 2003.3219 4.4959
57 WDW1_GPS 242.7458 32.7006 -27.37 29.38 1.05 1.11 -0.10 11.93 3.11 1998.8260 -- 2003.3219 4.4959
.. F17G_GPS 242.7464 32.7041 -27.02 30.14 1.19 1.29 -0.08 12.91 3.10 1998.8260 -- 2003.3219 4.4959
.. SOLJ_GPS 242.7475 32.8399 -26.33 30.20 1.20 1.15 -0.08 0.04 3.20 1986.4657 -- 1993.6753 7.2097
45 SIO2_GPS 242.7476 32.8675 -27.15 29.40 0.91 0.89 -0.15 5.26 2.42 1990.1739 -- 1999.9438 9.7700
45 SIO1_GPS 242.7477 32.8678 -27.15 29.40 0.91 0.89 -0.15 -16.28 4.59 1990.1739 -- 1992.4850 2.3111
45 SIO3_GPS 242.7496 32.8647 -27.15 29.40 0.91 0.89 -0.15 -0.92 2.28 1993.5767 -- 2004.7398 11.1631
45 SIO5_GPS 242.7503 32.8407 -27.15 29.40 0.91 0.89 -0.15 -4.30 3.35 2002.4397 -- 2004.7398 2.3001
50 STG1_GPS 242.7509 32.6973 -27.32 29.31 1.05 1.11 -0.10 12.87 3.12 1998.8260 -- 2003.3219 4.4959
.. 0302_GPS 242.7509 33.3554 -26.23 27.54 1.23 1.39 -0.08 4.88 3.14 1991.2949 -- 1999.9274 8.6325
50 STG2_GPS 242.7512 32.6966 -27.32 29.31 1.05 1.11 -0.10 12.20 3.09 1998.8260 -- 2003.3219 4.4959
.. CORX_GPS 242.7518 32.4154 -27.32 29.38 1.06 1.05 -0.11 2.54 2.78 2000.8975 -- 2004.7398 3.8423
.. 0817_GPS 242.7582 34.5367 -11.78 11.19 1.55 1.58 -0.10 0.75 3.75 1991.3905 -- 2000.3975 9.0070
.. METZ_GPS 242.7683 33.7964 -23.00 24.96 1.37 1.34 -0.07 -2.87 3.74 1990.1739 -- 1997.2452 7.0714
.. ITER_GPS 242.7701 34.6296 -6.77 12.65 1.94 1.64 -0.04 7.14 3.75 1991.1630 -- 1999.5521 8.3890
69 menifee_ 242.7712 33.7182 -23.66 25.22 1.07 1.25 -0.02 0.20 4.93 EDM data
69 moore___ 242.7763 33.7140 -23.62 25.52 1.19 1.42 -0.06 -0.19 4.98 EDM data
.. G165_GPS 242.7882 36.5425 -3.35 2.85 0.94 0.96 -0.10 0.22 2.74 1996.1407 -- 2003.4973 7.3565
.. MSOB_GPS 242.7899 34.2308 -14.77 17.67 1.02 1.03 -0.10 1.26 2.57 1999.2699 -- 2004.7398 5.4699
.. RAIN_GPS 242.7925 34.9748 -8.87 11.63 1.07 1.05 -0.09 0.91 2.55 1993.2298 -- 2002.9877 9.7578
.. K526_GPS 242.7969 34.1078 -18.48 23.04 1.28 1.42 -0.09 -0.18 4.23 1998.5219 -- 2002.5384 4.0164
.. GS14_GPS 242.8012 35.6146 -6.32 7.13 0.93 0.93 -0.12 -1.96 2.45 1994.6123 -- 2002.9036 8.2913
.. WLR3_GPS 242.8079 35.6208 -6.39 7.08 1.08 0.99 -0.09 1.05 2.57 1994.2644 -- 2002.2726 8.0082
.. micro___ 242.8088 33.8743 -21.76 24.20 1.06 1.17 -0.13 0.12 3.53 EDM data
.. ROSA_GPS 242.8111 33.5052 -26.65 26.14 1.55 1.46 -0.04 6.94 5.72 1990.1739 -- 1997.2452 7.0714
.. PPBF_GPS 242.8179 33.8357 -21.10 23.88 1.02 1.02 -0.11 0.41 2.56 1998.9658 -- 2004.7398 5.7741
.. GS07_GPS 242.8215 36.0348 -4.69 4.24 0.92 0.93 -0.11 -0.58 2.53 1994.6890 -- 2002.8542 8.1652
.. PANA_GPS 242.8257 36.2941 -3.60 3.21 0.88 0.90 -0.12 0.81 2.30 1991.3905 -- 2002.8542 11.4637
.. HIGH_GPS 242.8307 34.1339 -15.29 15.55 1.13 1.19 -0.09 -0.52 2.50 1991.1630 -- 2004.5158 13.3528
.. GS49_GPS 242.8373 35.3748 -6.17 10.47 1.10 1.11 -0.08 -0.44 3.29 1999.8644 -- 2002.9036 3.0392
.. FATL_GPS 242.8393 33.9637 -20.65 22.06 1.27 1.29 -0.08 -4.67 3.69 1990.1739 -- 1999.5000 9.3261
.. 0303_GPS 242.8412 33.3318 -24.79 27.91 1.07 1.09 -0.11 4.18 3.09 1991.2949 -- 2000.3975 9.1027
.. AVRY_GPS 242.8460 34.4683 -13.01 13.10 0.96 0.96 -0.12 -1.82 2.49 1998.9658 -- 2004.7398 5.7741
.. GS13_GPS 242.8512 35.5223 -5.83 7.32 0.93 0.93 -0.12 -3.40 2.44 1994.6123 -- 2002.9036 8.2913
.. SD17_GPS 242.8522 32.8184 -27.51 28.74 1.32 1.69 -0.06 -1.84 3.24 1991.2949 -- 1999.9274 8.6325
.. STOV_GPS 242.8527 36.6064 -3.34 2.35 0.93 0.95 -0.10 -1.61 2.67 1994.9027 -- 2003.4973 8.5945
.. YUNG_GPS 242.8553 33.4302 -25.27 26.94 1.04 1.04 -0.11 -3.77 2.75 1990.1739 -- 2000.3975 10.2237
86 BRI2_GPS 242.8608 34.0138 -15.69 20.52 1.07 1.08 -0.10 0.61 2.90 1990.9131 -- 2000.2090 9.2959
86 brink_an 242.8608 34.0138 -16.17 19.92 1.20 1.16 -0.09 -0.02 4.99 EDM data
.. double__ 242.8768 33.7239 -22.56 24.76 1.40 1.68 -0.14 0.04 5.00 EDM data
.. gander__ 242.8857 33.9561 -18.67 20.76 1.13 1.16 -0.12 0.00 4.98 EDM data
.. 0818_GPS 242.8959 34.0222 -15.35 18.27 1.32 1.26 -0.08 -2.69 2.97 1991.2949 -- 2000.3975 9.1027
.. CRFP_GPS 242.9003 34.0391 -17.07 18.50 0.92 0.92 -0.13 1.53 2.26 1994.4781 -- 2004.7398 10.2617
.. 7ODM_GPS 242.9068 34.1164 -17.68 15.46 1.33 1.34 -0.08 -2.02 4.30 2001.3390 -- 2004.5158 3.1768
.. DASH_GPS 242.9138 33.6357 -23.18 26.36 1.54 1.66 -0.12 -1.99 5.11 1991.2949 -- 2000.3975 9.1027
.. CRAF_GPS 242.9145 34.0614 -16.91 16.59 2.72 2.69 0.02 0.44 11.71 1991.1630 -- 1993.5767 2.4137
.. ROGE_GPS 242.9145 36.2179 -3.95 3.40 0.96 0.97 -0.10 -1.67 2.57 1999.2699 -- 2004.7398 5.4699
.. nelson__ 242.9293 33.8230 -21.20 23.24 1.04 1.19 -0.07 -0.42 4.93 EDM data
.. PT65_GPS 242.9321 34.4538 -12.36 14.34 1.30 1.13 -0.09 -0.42 2.96 1991.1630 -- 2004.5158 13.3528
.. DVLW_GPS 242.9326 33.6577 -21.92 24.67 1.23 1.22 -0.08 0.99 3.59 2002.7438 -- 2004.7398 1.9960
.. ESRW_GPS 242.9331 33.6818 -22.68 24.39 1.07 1.08 -0.10 -3.58 2.63 1999.2699 -- 2004.7398 5.4699
15 DVNW_GPS 242.9339 33.6734 -22.88 25.74 1.06 1.05 -0.10 -9.97 3.59 2002.7438 -- 2004.7398 1.9960
15 DVSW_GPS 242.9340 33.6679 -22.88 25.74 1.06 1.05 -0.10 -9.91 3.56 2002.7438 -- 2004.7398 1.9960
.. BILL_GPS 242.9354 33.5782 -22.91 25.32 0.98 0.98 -0.12 0.05 2.44 1997.9000 -- 2004.7398 6.8398
.. bachelor 242.9377 33.6054 -23.95 24.94 1.05 1.26 0.02 -0.21 4.98 EDM data
.. DVLS_GPS 242.9464 33.6911 -21.83 24.85 1.23 1.22 -0.07 -0.22 3.60 2002.7438 -- 2004.7398 1.9960
.. AGUE_GPS 242.9474 36.3570 -3.61 2.75 0.91 0.92 -0.12 1.31 2.48 1993.7986 -- 2002.7438 8.9452
.. KELL_GPS 242.9505 34.1959 -11.53 17.35 2.06 1.83 -0.10 -0.10 3.26 1991.1630 -- 2004.5158 13.3528
.. GS36_GPS 242.9575 35.1678 -7.76 9.60 1.12 1.15 -0.06 0.19 3.54 1999.3630 -- 2002.9877 3.6247
.. OGHS_GPS 242.9582 33.1306 -25.97 27.89 1.01 1.00 -0.12 -0.73 2.62 2000.2090 -- 2004.7398 4.5308

.. HOLD_GPS 242.9727 36.6379 -2.81 1.72 0.91 0.93 -0.11 -0.19 2.56 1994.9027 -- 2003.4973 8.5945
.. BSRY_GPS 242.9880 34.9186 -7.63 9.67 1.01 1.01 -0.10 -0.61 2.64 1998.9247 -- 2004.7398 5.8152
.. DVLE_GPS 242.9993 33.7006 -20.35 24.96 1.22 1.21 -0.08 1.62 3.54 2002.7438 -- 2004.7398 1.9960
.. david_an 243.0032 33.9082 -17.71 19.30 1.08 1.25 -0.14 0.19 4.94 EDM data
.. ESE2_GPS 243.0061 33.6748 -20.35 25.04 1.14 1.13 -0.09 1.32 3.24 2002.1822 -- 2004.7398 2.5576
.. MORR_GPS 243.0090 32.2745 -27.86 29.93 0.99 0.98 -0.13 -0.98 2.50 1993.2945 -- 2001.8726 8.5781
.. ESRE_GPS 243.0090 33.6728 -20.03 25.44 1.16 1.16 -0.09 -1.44 3.34 1999.2699 -- 2001.8726 2.6027
.. DVSE_GPS 243.0096 33.6808 -26.18 22.82 1.22 1.22 -0.07 -10.23 3.58 2002.7438 -- 2004.7398 1.9960
.. BMRY_GPS 243.0153 33.9627 -13.73 20.14 1.03 1.03 -0.10 -0.35 2.61 1999.2699 -- 2004.7398 5.4699
.. 1101_GPS 243.0168 32.5685 -25.92 29.18 1.11 1.16 -0.12 -3.36 3.33 1991.2949 -- 1998.5219 7.2271
.. SOAP_GPS 243.0192 34.9038 -7.91 9.35 1.07 1.06 -0.10 -0.71 2.96 1991.3905 -- 2001.5384 10.1478
.. NSSS_GPS 243.0273 32.5793 -26.65 27.88 1.05 1.03 -0.11 -1.74 2.74 2000.7828 -- 2004.7398 3.9570
.. CHER_GPS 243.0482 34.0028 -18.07 18.79 1.35 1.36 -0.05 1.64 4.72 1990.1739 -- 1997.2452 7.0714
22 LNMT_GPS 243.0603 35.0902 -6.97 8.82 0.99 0.99 -0.10 -1.80 2.73 2001.0671 -- 2004.7398 3.6727
22 BARS_GPS 243.0607 35.0908 -6.97 8.82 0.99 0.99 -0.10 -0.56 2.90 1992.8975 -- 2002.2726 9.3751
.. SD32_GPS 243.0641 33.0410 -26.42 28.37 1.63 2.36 -0.03 -0.09 3.45 1991.2949 -- 1998.5219 7.2271
.. WOMT_GPS 243.0683 34.6690 -10.13 11.56 1.06 1.06 -0.10 -0.50 2.84 1999.7767 -- 2004.7398 4.9631
.. RDEC_GPS 243.0684 33.4678 -22.58 26.34 1.15 1.18 -0.09 -6.16 3.27 1994.6890 -- 1999.8397 5.1507
.. SD18_GPS 243.0687 32.9118 -26.91 28.47 1.02 1.01 -0.12 -2.55 2.76 1991.2949 -- 1999.9274 8.6325
.. pollycgs 243.0735 33.6879 -22.53 23.43 1.05 1.25 0.04 -0.33 3.51 EDM data
.. roundtop 243.0894 33.5242 -23.91 25.26 1.07 1.27 0.02 -0.41 4.95 EDM data
.. SD34_GPS 243.1015 33.2936 -24.02 28.00 1.41 1.81 -0.05 -2.51 3.28 1991.2949 -- 2000.3975 9.1027
28 7288_GPS 243.1085 35.3312 -5.42 7.08 0.89 0.89 -0.13 2.42 2.67 1991.3905 -- 2001.9685 10.5780
.. LEAC_GPS 243.1090 35.5348 -4.43 5.59 1.10 1.00 -0.09 1.48 2.71 1994.2644 -- 2002.1822 7.9178
28 MOJ1_GPS 243.1092 35.3316 -5.42 7.08 0.89 0.89 -0.13 -0.49 2.38 1986.4657 -- 2002.2726 15.8069
29 GOL2_GPS 243.1108 35.4252 -5.24 5.56 0.84 0.85 -0.14 -0.48 2.17 1993.8945 -- 2004.7398 10.8453
29 GOLD_GPS 243.1108 35.4252 -5.24 5.56 0.84 0.85 -0.14 -0.93 2.27 1991.0918 -- 2003.8370 12.7452
.. MOJM_GPS 243.1118 35.3315 -0.30 8.52 1.12 1.06 -0.09 3.77 3.99 1989.2500 -- 1992.7527 3.5027
.. MOJAVE12 243.1124 35.3316 -2.96 8.23 1.05 1.06 -0.09 4.80 3.22 VLBI data
.. DSS15_LA 243.1128 35.4219 -10.27 2.87 2.85 2.94 -0.00 19.22 9.03 VLBI data
.. DSS15___ 243.1128 35.4219 -5.03 -17.30 2.24 2.92 0.08 -14.76 9.66 VLBI data
.. 7085_GPS 243.1136 35.4244 -5.99 5.49 1.22 1.29 -0.06 3.27 2.65 1992.4850 -- 2001.9685 9.4835
05 BBRY_GPS 243.1158 34.2643 -10.83 16.40 0.96 0.95 -0.12 0.41 2.58 1998.8260 -- 2004.7398 5.9138
05 BEAR_GPS 243.1158 34.2643 -10.83 16.40 0.96 0.95 -0.12 8.72 3.88 1991.1630 -- 1997.9000 6.7370
23 LUC2_GPS 243.1180 34.4391 -13.16 14.56 1.73 1.72 -0.05 0.93 5.09 1992.9276 -- 2001.5384 8.6108
.. LUCS_GPS 243.1180 34.4395 -12.03 13.14 1.07 1.07 -0.09 0.42 3.13 1991.1630 -- 2004.5158 13.3528
23 LUC3_GPS 243.1183 34.4396 -13.16 14.56 1.73 1.72 -0.05 -2.12 7.92 1997.9000 -- 2000.0287 2.1287
.. BULL_GPS 243.1283 36.9176 -2.51 1.33 0.93 0.94 -0.10 -1.99 2.51 1999.3630 -- 2004.7398 5.3768
.. PMOB_GPS 243.1405 33.3572 -24.25 26.28 1.02 1.02 -0.11 -0.56 2.55 1998.9247 -- 2004.7398 5.8152
.. PION_GPS 243.1516 35.3891 -10.73 4.51 2.02 1.60 -0.03 1.67 4.15 1999.3630 -- 2002.1822 2.8192
.. R293_GPS 243.1523 33.6303 -21.79 23.51 1.52 1.79 -0.05 -0.09 3.38 1993.7986 -- 2000.0997 6.3011
.. OTAY_GPS 243.1591 32.6007 -25.20 28.88 1.53 1.20 -0.11 -2.85 3.46 1991.2949 -- 1999.7767 8.4818
.. 6052_GPS 243.1597 34.5161 -12.84 14.52 1.48 1.36 -0.09 -0.74 5.32 1991.8890 -- 1997.9000 6.0110
.. SRM1_GPS 243.1607 32.5997 -27.79 28.80 1.26 1.44 -0.07 0.09 3.56 1990.2469 -- 1999.7767 9.5298
.. BART_GPS 243.1635 33.8837 -14.10 22.43 1.28 1.13 -0.08 87.93 4.54 1993.5767 -- 1999.5521 5.9753
.. A586_GPS 243.1639 33.4841 -23.53 26.94 1.12 1.13 -0.13 0.36 4.15 1993.5767 -- 1998.5219 4.9452
.. SD33_GPS 243.1714 32.6704 -26.28 30.38 1.07 1.11 -0.10 -2.36 3.35 1991.2949 -- 1999.9274 8.6325
.. ranger__ 243.1746 33.8444 -15.74 18.39 1.09 1.42 -0.14 -0.07 4.98 EDM data
.. B586_GPS 243.1787 33.4938 -23.76 26.11 1.29 1.31 -0.11 -7.62 5.42 1994.6123 -- 1998.5219 3.9096
33 ORD__GPS 243.1849 34.6749 -10.56 11.12 1.02 1.02 -0.10 0.48 9.41 1992.8975 -- 1998.1712 5.2737
33 ORMT_GPS 243.1849 34.6749 -10.56 11.12 1.02 1.02 -0.10 -0.80 2.76 2001.2753 -- 2004.7398 3.4645
.. ECMO_GPS 243.1941 35.2995 -6.63 5.20 1.36 1.45 -0.05 -1.24 2.88 1992.4850 -- 2001.6726 9.1876
.. 1106_GPS 243.1979 32.8444 -26.04 28.00 1.02 1.02 -0.13 3.04 2.77 1991.2949 -- 1999.9274 8.6325
.. jason___ 243.2008 33.5615 -22.67 24.76 1.04 1.22 0.00 1.55 4.82 EDM data
55 VEN1_GPS 243.2077 35.2481 -7.92 4.96 1.33 1.37 -0.06 1.32 4.78 1999.3630 -- 2001.6726 2.3096
55 7115_GPS 243.2081 35.2484 -7.92 4.96 1.33 1.37 -0.06 3.23 3.19 1992.4850 -- 2000.8975 8.4126
.. INDO_GPS 243.2229 33.7945 -18.89 22.12 1.35 1.35 -0.08 -0.06 4.57 1990.1739 -- 1997.2452 7.0714
.. CABA_GPS 243.2245 33.9159 -13.82 18.00 1.15 1.16 -0.08 -4.36 3.94 1990.1739 -- 1997.9000 7.7261
.. ROCM_GPS 243.2294 34.5442 -12.72 13.65 1.19 1.18 -0.13 -7.15 4.66 1992.8975 -- 1998.1027 5.2052
.. CHLO_GPS 243.2345 36.7465 -2.71 1.14 0.94 0.95 -0.10 -1.46 2.53 1999.6342 -- 2004.7398 5.1056
.. OLDW_GPS 243.2481 34.3887 -9.22 13.71 1.01 1.02 -0.10 0.96 2.77 1992.5260 -- 2004.3101 11.7842
.. CARY_GPS 243.2645 33.5454 -20.54 25.13 1.07 1.08 -0.10 1.43 3.33 1992.2339 -- 1998.3849 6.1510
.. DANT_GPS 243.2745 36.2263 -2.44 1.73 0.95 0.98 -0.10 -1.08 2.63 1994.9027 -- 2002.7438 7.8411
.. FRY__GPS 243.2810 34.5012 -13.77 16.42 1.06 1.11 -0.10 -3.10 4.17 1992.8975 -- 1998.1027 5.2052
.. HOWY_GPS 243.2824 33.5497 -20.33 24.96 1.04 1.04 -0.11 1.22 3.02 1992.2339 -- 1998.3849 6.1510
.. 7000_GPS 243.2841 34.6763 -8.75 8.23 1.06 1.05 -0.10 -0.32 3.28 1992.4986 -- 2002.4397 9.9411
.. DSSC_GPS 243.2879 33.7333 -15.25 20.75 1.04 1.03 -0.10 1.16 2.65 1999.1467 -- 2004.7398 5.5931
.. WD91_GPS 243.2880 33.7143 -16.70 20.13 1.38 1.46 -0.08 2.11 3.37 1991.3905 -- 2000.0997 8.7092
.. ONYX_GPS 243.2905 34.1926 -7.85 15.11 1.56 1.30 -0.09 3.27 4.56 1991.8890 -- 2000.0287 8.1396
.. SDG6_GPS 243.2973 33.3819 -22.92 26.31 1.02 1.03 -0.11 -1.79 2.91 1991.8890 -- 2000.0997 8.2107
.. CRAV_GPS 243.2990 33.5427 -20.18 24.53 1.04 1.03 -0.10 2.01 3.08 1992.2339 -- 1998.5219 6.2880
.. moss____ 243.3008 33.4547 -22.31 24.32 1.06 1.10 -0.14 -0.19 4.79 EDM data
.. OLDD_GPS 243.3021 34.3905 -9.44 12.90 1.01 1.02 -0.10 0.17 2.86 1992.5260 -- 2004.3101 11.7842
.. SGPS_GPS 243.3043 33.9125 -14.27 19.24 0.99 0.98 -0.11 0.62 2.56 1999.7767 -- 2004.7398 4.9631
.. 1108_GPS 243.3067 33.2338 -25.18 26.34 1.03 1.04 -0.12 -1.80 2.83 1991.2949 -- 2000.3975 9.1027

.. M586_GPS 243.3110 33.5550 -19.59 24.40 1.16 1.17 -0.10 -1.55 4.06 1992.3075 -- 1998.3849 6.0774
.. PERL_GPS 243.3136 36.9018 -2.55 0.71 0.93 0.94 -0.10 -1.85 2.51 1999.3630 -- 2004.7398 5.3768
C8 thomasec 243.3200 33.6190 -18.38 20.20 1.01 1.12 -0.01 -0.05 2.47 EDM data
C8 TOME_GPS 243.3200 33.6190 -18.85 20.40 1.16 1.24 -0.06 0.24 3.40 1991.3905 -- 2000.0997 8.7092
.. LAW3_GPS 243.3310 34.5015 -9.98 11.31 1.06 1.07 -0.09 0.35 3.28 1992.5260 -- 2004.3101 11.7842
16 ENR1_GPS 243.3321 31.8718 -28.58 30.49 0.93 0.90 -0.15 -0.58 2.67 1995.2260 -- 2002.0753 6.8493
16 ENDA_GPS 243.3322 31.8716 -28.58 30.49 0.93 0.90 -0.15 -1.66 3.19 1989.3624 -- 1995.1493 5.7869
16 ENR2_GPS 243.3324 31.8716 -28.58 30.49 0.93 0.90 -0.15 -1.33 2.73 1995.2260 -- 2002.0753 6.8493
16 CICE_GPS 243.3326 31.8713 -28.58 30.49 0.93 0.90 -0.15 -0.11 2.73 1995.1493 -- 1999.1467 3.9974
16 CIC1_GPS 243.3342 31.8707 -28.58 30.49 0.93 0.90 -0.15 -1.52 2.58 1999.2699 -- 2004.7398 5.4699
.. LAW4_GPS 243.3348 34.4538 -7.96 12.56 1.06 1.08 -0.09 1.43 3.27 1992.5260 -- 2004.3101 11.7842
.. ANZA_GPS 243.3382 33.5560 -19.39 23.88 0.96 0.95 -0.12 -0.14 2.51 1990.1739 -- 2002.1822 12.0083
.. WWMT_GPS 243.3461 33.9553 -11.52 17.61 1.09 1.09 -0.09 1.23 3.06 2002.0753 -- 2004.7398 2.6645
.. RYAN_GPS 243.3499 36.3163 -2.61 1.46 0.93 0.93 -0.11 -1.95 2.45 1999.2699 -- 2004.7398 5.4699
.. 6056_GPS 243.3529 34.3696 -9.24 13.93 1.71 1.58 -0.05 3.84 5.59 1991.8890 -- 2001.2753 9.3863
.. TOM2_GPS 243.3581 33.9249 -15.72 16.77 1.49 1.58 -0.08 4.54 4.51 1991.2949 -- 2000.3975 9.1027
.. CJGG_GPS 243.3588 31.8680 -29.60 32.28 1.11 1.09 -0.10 0.53 3.10 1999.4022 -- 2003.2616 3.8594
.. SD07_GPS 243.3628 33.3877 -21.13 29.46 1.21 1.47 -0.07 1.04 3.37 1991.2949 -- 1999.9274 8.6325
18 G109_GPS 243.3661 33.5567 -18.80 20.43 1.21 1.38 -0.06 1.80 3.58 1992.3075 -- 1998.3849 6.0774
.. RLOV_GPS 243.3683 32.1178 -27.61 30.16 0.99 0.97 -0.13 -0.22 2.48 1993.2945 -- 2001.8726 8.5781
18 ANZC_GPS 243.3694 33.5578 -18.80 20.43 1.21 1.38 -0.06 4.10 3.43 1992.2339 -- 1998.3849 6.1510
.. AZRY_GPS 243.3703 33.5401 -19.27 22.43 1.05 1.06 -0.10 0.64 2.64 1999.6699 -- 2004.7398 5.0699
.. RDMT_GPS 243.3753 34.6439 -8.79 8.94 1.09 1.09 -0.09 0.16 3.03 1999.9055 -- 2004.7398 4.8343
.. LAW2_GPS 243.3763 34.5267 -9.62 11.46 1.04 1.05 -0.10 -0.59 3.31 1992.5260 -- 2004.3101 11.7842
.. SD21_GPS 243.3808 32.8239 -24.98 27.79 1.02 1.03 -0.12 0.13 2.79 1991.2949 -- 1999.9274 8.6325
.. MEEK_GPS 243.3826 34.2579 -6.22 20.33 1.02 1.01 -0.11 2.43 2.77 1992.3265 -- 2004.3101 11.9836
.. meeks___ 243.3826 34.2579 -9.90 6.95 1.43 1.74 0.16 -0.04 5.00 EDM data
.. G114_GPS 243.3871 33.5502 -17.77 23.10 1.08 1.09 -0.11 1.05 3.53 1992.3814 -- 1998.3849 6.0036
.. ROCH_GPS 243.3902 33.6110 -17.01 19.55 0.93 0.92 -0.13 0.95 2.28 1991.3905 -- 2004.7398 13.3493
.. G120_GPS 243.3970 33.5646 -19.47 19.26 1.61 1.87 -0.05 -1.67 4.55 1992.3075 -- 1998.3849 6.0774
.. SD15_GPS 243.4021 33.0743 -25.89 27.84 1.27 1.57 -0.06 1.26 3.15 1991.2949 -- 2000.3975 9.1027
.. GRLZ_GPS 243.4035 35.4531 -3.11 3.01 1.16 1.27 -0.06 2.43 3.08 1994.2644 -- 2002.2726 8.0082
.. RCUT_GPS 243.4044 33.5675 -17.73 21.06 1.48 1.71 -0.03 1.56 3.61 1992.2339 -- 1998.5219 6.2880
.. JOES_GPS 243.4096 33.6460 -14.28 20.71 1.50 1.55 -0.02 2.09 3.42 1991.3905 -- 1998.6178 7.2273
40 ROAD_GPS 243.4107 33.5270 -18.75 23.22 0.99 0.98 -0.11 0.59 3.95 1994.6890 -- 1998.3849 3.6959
40 TBLM_GPS 243.4107 33.5270 -18.75 23.22 0.99 0.98 -0.11 0.79 3.25 1992.2339 -- 1998.3849 6.1510
.. LAW1_GPS 243.4118 34.5424 -8.29 10.48 0.99 0.99 -0.11 0.02 2.81 1992.5260 -- 2004.3101 11.7842
.. G123_GPS 243.4127 33.5672 -18.28 18.84 1.61 1.89 -0.04 -5.27 4.14 1992.3814 -- 1998.3849 6.0036
.. G124_GPS 243.4169 33.5652 -18.44 19.97 1.58 1.84 -0.05 -3.84 4.21 1992.3814 -- 1998.3849 6.0036
.. G125_GPS 243.4208 33.5639 -19.03 20.80 1.66 1.95 -0.05 -2.59 4.44 1992.3814 -- 1998.3849 6.0036
.. volcan__ 243.4211 33.1019 -23.52 26.77 1.10 1.29 0.04 0.12 4.97 EDM data
.. TATE_GPS 243.4257 36.9316 -2.23 0.68 0.93 0.94 -0.10 -1.04 2.51 1999.3630 -- 2004.7398 5.3768
83 lookout_ 243.4259 33.5533 -17.93 19.35 0.99 1.04 -0.07 -0.85 3.67 EDM data
83 LOKT_GPS 243.4259 33.5533 -18.22 19.33 1.14 1.17 -0.07 0.44 3.29 1991.3905 -- 1998.6178 7.2273
.. SD35_GPS 243.4289 32.9145 -27.80 28.29 1.12 1.15 -0.11 -0.86 3.51 1991.2949 -- 1999.6342 8.3394
.. 0821_GPS 243.4294 33.5613 -16.83 18.58 1.72 2.21 -0.05 -1.05 3.18 1991.2949 -- 2000.3975 9.1027
.. NASA_GPS 243.4294 35.3231 -3.79 3.48 1.28 1.39 -0.05 0.78 2.90 1994.2644 -- 2002.2726 8.0082
.. CRAT_GPS 243.4307 36.8077 -2.35 0.91 0.94 0.95 -0.10 -1.72 2.54 1999.3630 -- 2004.7398 5.3768
.. eve_____ 243.4396 33.6488 -15.87 17.80 1.02 1.05 -0.04 0.52 3.64 EDM data
.. G128_GPS 243.4417 33.5621 -16.00 19.79 1.66 1.99 -0.04 2.42 4.86 1992.3814 -- 1998.3849 6.0036
.. VA01_GPS 243.4421 32.2447 -26.97 29.42 1.00 0.99 -0.12 -1.87 2.56 1991.2288 -- 2002.1822 10.9534
.. LAE1_GPS 243.4429 34.5744 -8.13 8.34 1.00 1.01 -0.10 0.23 2.92 1992.5314 -- 2004.3101 11.7787
.. RELA_GPS 243.4457 36.7154 -2.41 0.96 0.94 0.95 -0.10 -1.56 2.53 1999.3630 -- 2004.7398 5.3768
.. P_42_GPS 243.4482 35.4259 -4.12 2.27 1.12 1.14 -0.07 0.62 3.40 1999.3630 -- 2002.9036 3.5406
.. MEAN_GPS 243.4503 34.4048 -8.76 15.74 1.01 1.01 -0.11 3.76 3.09 1992.5965 -- 1999.9055 7.3089
.. GARN_GPS 243.4623 33.8978 -14.15 16.39 2.13 2.02 -0.04 -4.66 7.73 1990.1739 -- 1993.9795 3.8056
.. BOTR_GPS 243.4670 33.7758 -12.39 14.72 1.92 2.11 0.01 -0.51 4.40 1990.1739 -- 1997.2452 7.0714
.. TROY_GPS 243.4695 34.8386 -5.74 4.98 0.95 0.96 -0.11 0.23 2.62 1991.3905 -- 2004.7398 13.3493
.. JUBI_GPS 243.4724 35.9193 -2.35 2.42 1.06 1.10 -0.08 -2.85 3.01 1996.7199 -- 2001.5384 4.8184
.. MVFD_GPS 243.4747 33.2109 -23.50 24.80 1.03 1.03 -0.11 0.11 2.60 1999.2699 -- 2004.7398 5.4699
.. LAE2_GPS 243.4779 34.5889 -8.28 7.65 1.08 1.09 -0.09 2.23 3.62 1992.5314 -- 2004.3101 11.7787
.. G134_GPS 243.4788 33.5701 -16.39 23.10 1.56 1.85 -0.06 -3.19 4.36 1992.3814 -- 1998.3849 6.0036
36 PMCN_GPS 243.4830 33.5710 -16.58 21.36 1.03 1.05 -0.10 1.05 2.87 1994.6890 -- 2001.1822 6.4932
36 B587_GPS 243.4842 33.5711 -16.58 21.36 1.03 1.05 -0.10 2.23 4.82 1992.3814 -- 1998.3849 6.0036
.. LAZY_GPS 243.4861 34.3439 -6.85 13.21 1.01 1.00 -0.11 -0.25 3.10 1991.2949 -- 2003.1164 11.8216
.. D138_GPS 243.5019 33.5711 -14.25 19.00 1.61 1.94 -0.07 4.46 4.40 1992.3814 -- 1998.3849 6.0036
.. PSAP_GPS 243.5060 33.8192 -12.55 17.84 1.06 1.05 -0.10 -1.29 2.73 1999.7767 -- 2004.7398 4.9631
.. LAE3_GPS 243.5132 34.6179 -6.42 7.88 1.03 1.03 -0.11 -1.22 3.08 1992.5314 -- 2004.3101 11.7787
.. PF6__GPS 243.5161 33.5806 -18.00 17.52 1.37 1.48 -0.06 4.37 3.71 1991.3905 -- 1998.3849 6.9944
.. granite_ 243.5205 33.0511 -24.32 26.38 1.10 1.19 -0.03 0.17 4.90 EDM data
.. PF5C_GPS 243.5229 33.6029 -15.77 18.12 1.72 2.21 -0.02 6.25 4.00 1992.2339 -- 1998.5219 6.2880
.. 1102_GPS 243.5232 32.6067 -25.84 28.42 1.08 1.09 -0.11 0.37 3.11 1991.2949 -- 1998.5219 7.2271
.. FUNE_GPS 243.5247 36.3974 -2.03 0.72 0.90 0.92 -0.11 -0.45 2.36 1991.3905 -- 2001.5384 10.1478
.. WHAY_GPS 243.5281 33.6836 -16.50 21.17 1.45 1.49 -0.05 1.81 3.33 1991.3905 -- 1998.6178 7.2273
.. 7001_GPS 243.5308 34.5600 -6.19 5.25 1.10 1.10 -0.10 -0.77 3.64 1992.5096 -- 2001.5384 9.0288

.. RICU_GPS 243.5311 34.2641 -5.13 14.43 1.16 1.16 -0.08 3.49 3.38 1992.5205 -- 2004.3101 11.7896
.. rich____ 243.5311 34.2641 -8.62 8.89 1.42 1.26 0.12 0.43 4.92 EDM data
.. REPO_GPS 243.5317 36.8404 -2.53 0.73 0.93 0.94 -0.10 -2.03 2.51 1999.3630 -- 2004.7398 5.3768
B9 ASBS_GPS 243.5381 33.6204 -15.60 15.99 1.16 1.22 -0.07 1.42 2.93 1992.4850 -- 2001.1822 8.6972
B9 asbestos 243.5408 33.6276 -15.19 16.65 1.00 1.04 -0.06 -2.25 3.03 EDM data
35 PINY_GPS 243.5412 33.6092 -15.23 17.26 0.88 0.87 -0.14 0.44 2.57 1986.4657 -- 2001.1822 14.7165
.. PINF7256 243.5412 33.6093 -16.34 18.91 1.19 1.23 -0.09 6.39 5.17 VLBI data
C9 MAUM_GPS 243.5416 34.4190 -10.74 7.41 1.73 1.38 0.11 2.25 8.59 1992.3265 -- 1999.9055 7.5790
C9 maume_jo 243.5416 34.4191 -10.61 7.78 1.82 1.26 0.25 -0.51 4.94 EDM data
35 PIN1_GPS 243.5418 33.6122 -15.23 17.26 0.88 0.87 -0.14 1.02 2.28 1990.1739 -- 2004.7398 14.5660
.. PIN3_GPS 243.5420 33.6122 -13.57 17.98 1.35 1.56 -0.06 1.47 2.73 1992.2339 -- 2003.2616 11.0277
.. P102_GPS 243.5420 33.6122 -9.46 16.78 1.41 1.41 -0.04 4.86 4.87 2001.1822 -- 2003.2616 2.0795
35 PIN2_GPS 243.5424 33.6121 -15.23 17.26 0.88 0.87 -0.14 -0.27 2.29 1990.2469 -- 2004.7398 14.4929
.. CJCK_GPS 243.5449 35.5146 -3.60 2.34 1.19 1.49 -0.05 2.10 3.11 1994.2644 -- 2002.2726 8.0082
.. BUST_GPS 243.5491 36.7453 -2.40 1.05 0.93 0.94 -0.10 -1.53 2.51 1999.3630 -- 2004.7398 5.3768
.. GREN_GPS 243.5535 33.5742 -16.53 15.91 1.43 1.62 -0.06 0.74 3.82 1992.2339 -- 1998.5219 6.2880
.. FILO_GPS 243.5569 31.7210 -28.81 31.82 0.99 0.96 -0.13 -0.43 2.52 1993.2945 -- 2001.8726 8.5781
.. LEDG_GPS 243.5608 34.5020 -3.68 2.03 1.04 1.02 -0.10 -3.11 3.23 1992.5965 -- 1999.9055 7.3089
.. BNDY_GPS 243.5621 33.5986 -15.42 18.11 1.45 1.59 -0.05 0.32 3.73 1992.4850 -- 1998.3849 5.9000
.. wilson__ 243.5663 33.1773 -22.42 25.07 1.17 1.19 -0.04 -0.31 4.92 EDM data
.. LDES_GPS 243.5672 34.2673 -3.30 10.79 1.03 1.02 -0.10 1.32 2.78 1999.1467 -- 2004.7398 5.5931
.. EDOM_GPS 243.5689 33.8704 -10.71 14.85 1.11 1.11 -0.08 0.75 3.37 1990.1739 -- 2000.0697 9.8958
.. edom_2__ 243.5689 33.8704 -12.39 11.49 1.42 1.32 0.24 -0.33 3.53 EDM data
.. HCMN_GPS 243.5699 34.7548 -6.42 3.87 1.11 1.10 -0.08 -1.43 3.12 1999.9438 -- 2004.7398 4.7960
.. PF1__GPS 243.5703 33.5842 -15.66 19.11 1.31 1.39 -0.07 -0.32 3.33 1991.3905 -- 1998.5219 7.1314
.. AGMT_GPS 243.5706 34.5943 -6.19 7.09 1.11 1.10 -0.08 -2.21 3.12 1999.9795 -- 2004.7398 4.7604
82 TORO_GPS 243.5742 33.5236 -16.62 18.24 0.99 0.99 -0.11 0.32 3.00 1991.3905 -- 1998.6178 7.2273
82 toro____ 243.5742 33.5236 -17.10 16.38 1.00 1.08 -0.06 6.99 3.47 EDM data
30 MONU_GPS 243.5772 32.8918 -25.96 27.23 0.91 0.89 -0.14 -1.45 2.84 1986.4657 -- 1995.9959 9.5302
.. MONP7274 243.5772 32.8918 -30.40 27.14 1.16 1.17 -0.08 -1.33 4.17 VLBI data
30 MONP_GPS 243.5777 32.8919 -25.96 27.23 0.91 0.89 -0.14 -1.56 2.26 1993.5767 -- 2004.7398 11.1631
30 monu_res 243.5793 32.8924 -25.13 27.39 1.07 1.13 -0.10 -9.55 4.69 EDM data
.. HECT_GPS 243.5793 34.7850 -5.65 3.60 1.01 1.00 -0.10 0.47 3.03 1991.2949 -- 2003.1164 11.8216
.. T138_GPS 243.5803 33.6086 -14.91 19.57 1.76 1.98 -0.07 -6.67 5.10 1992.3814 -- 1998.3849 6.0036
.. 0912_GPS 243.5835 36.3044 -2.18 0.90 0.91 0.94 -0.11 -1.79 2.42 1991.3905 -- 2003.4973 12.1067
.. 0803_GPS 243.5854 35.0718 -6.24 4.70 1.85 1.98 0.03 1.51 4.02 1991.3905 -- 2002.4397 11.0492
.. L587_GPS 243.5892 33.6226 -16.81 17.36 1.58 1.84 -0.03 -5.71 4.52 1992.3814 -- 1998.3849 6.0036
.. warren__ 243.5928 34.0551 -6.31 11.32 1.31 1.11 0.04 0.86 4.79 EDM data
.. WIDE_GPS 243.5937 33.9314 -9.65 12.62 1.10 1.09 -0.09 -1.93 3.24 1990.1739 -- 1997.9000 7.7261
.. WIDC_GPS 243.6082 33.9348 -9.51 13.66 0.98 0.98 -0.11 0.48 2.54 1997.8315 -- 2004.7398 6.9083
.. RSRT_GPS 243.6085 33.6878 -12.03 15.58 1.18 1.21 -0.08 2.27 3.27 1990.9131 -- 2000.0697 9.1566
81 PAXU_GPS 243.6102 34.1531 -4.93 9.62 1.12 1.08 -0.08 4.88 3.84 1992.4932 -- 2002.4397 9.9466
81 pax_ncer 243.6102 34.1531 -5.24 9.54 1.30 1.11 -0.01 -0.57 4.95 EDM data
.. ANT__GPS 243.6124 34.4821 -3.11 12.72 2.12 2.14 -0.02 -2.25 9.33 1999.2699 -- 2001.5384 2.2685
.. COTD_GPS 243.6131 33.7325 -13.31 19.05 0.99 0.98 -0.11 -8.54 2.58 1999.7959 -- 2004.7398 4.9439
.. GAYS_GPS 243.6214 34.5550 -7.00 5.94 1.53 1.54 -0.03 -1.58 5.74 1997.8315 -- 2002.9877 5.1562
.. CTMS_GPS 243.6296 34.1241 -4.14 10.66 1.03 1.03 -0.10 -0.35 2.79 1999.2699 -- 2004.7398 5.4699
.. MCAN_GPS 243.6448 34.3752 -4.18 14.04 2.17 2.22 -0.03 -0.97 9.17 1999.2699 -- 2001.5384 2.2685
.. SCP6_GPS 243.6550 34.4070 -1.91 8.02 1.60 1.62 -0.03 -3.82 5.92 1997.8315 -- 2002.9877 5.1562
.. AIMR_GPS 243.6570 34.4356 -2.92 10.36 2.31 2.31 -0.01 -5.47 9.78 1999.2699 -- 2001.5384 2.2685
.. STRI_GPS 243.6622 36.6446 -2.23 1.10 0.94 0.94 -0.10 -1.54 2.51 1999.3630 -- 2004.7398 5.3768
.. CDMT_GPS 243.6641 34.8295 -6.58 1.93 1.02 1.02 -0.10 0.66 2.78 2001.2753 -- 2004.7398 3.4645
.. 6050_GPS 243.6659 34.2661 -3.30 7.84 1.62 1.63 -0.07 0.51 7.30 1991.9390 -- 2002.4397 10.5007
.. RMRD_GPS 243.6693 33.8167 -10.85 14.27 1.43 1.49 -0.02 -1.14 4.00 1990.1739 -- 1997.2452 7.0714
.. LAE4_GPS 243.6708 34.7341 -4.56 4.12 1.03 1.02 -0.10 2.41 2.96 1992.5314 -- 2004.3101 11.7787
26 MCAL_GPS 243.6737 34.3386 -5.99 16.49 2.68 2.69 -0.07 3.90 71.89 1997.8315 -- 2000.3046 2.4731
26 ACRN_GPS 243.6738 34.3365 -5.99 16.49 2.68 2.69 -0.07 16.70 11.91 1999.2699 -- 2001.5384 2.2685
.. GHAZ_GPS 243.6738 34.5133 -2.07 12.22 1.51 1.51 -0.04 3.29 14.04 1999.9164 -- 2002.9877 3.0712
.. CADG_GPS 243.6780 31.3611 -29.82 31.61 1.00 0.97 -0.13 0.42 2.57 1993.2945 -- 2001.8726 8.5781
.. laquinta 243.6873 33.7040 -12.46 13.79 1.03 1.01 -0.07 -0.90 2.75 EDM data
.. LITT_GPS 243.6918 36.7459 -2.28 0.59 0.94 0.95 -0.10 -1.91 2.52 1999.3630 -- 2004.7398 5.3768
.. creole__ 243.6940 34.4291 -9.32 10.20 1.88 1.23 -0.14 0.34 4.96 EDM data
.. OPCL_GPS 243.6945 34.4277 -3.31 6.62 1.09 1.09 -0.09 0.40 3.06 1999.9055 -- 2004.7398 4.8343
.. LOSA_GPS 243.6956 31.4625 -29.76 31.20 1.00 0.97 -0.13 -0.59 2.58 1993.2945 -- 2001.8726 8.5781
.. 0915_GPS 243.6997 35.8670 -3.33 1.44 0.98 1.01 -0.12 -1.03 2.67 1991.3905 -- 2002.2726 10.8821
.. PTHP_GPS 243.7006 33.7143 -12.28 14.49 1.32 1.35 -0.07 2.43 2.99 1991.3905 -- 1998.6178 7.2273
.. SHOS_GPS 243.7010 35.9713 -2.83 0.99 0.95 0.96 -0.10 -0.83 2.55 1999.3630 -- 2004.7398 5.3768
.. PEGL_GPS 243.7014 33.2957 -21.24 20.29 1.11 1.16 -0.09 0.23 2.94 1991.2288 -- 2000.3975 9.1688
.. OPRD_GPS 243.7077 34.5330 -5.26 5.20 1.07 1.06 -0.09 1.33 2.95 1999.8096 -- 2004.7398 4.9302
.. SILV_GPS 243.7087 35.3970 -2.75 0.09 0.98 1.00 -0.09 6.98 2.83 1997.5082 -- 2002.9877 5.4795
.. STSP_GPS 243.7093 35.6326 -2.42 1.92 1.20 1.54 -0.05 3.28 3.22 1994.2644 -- 2002.2726 8.0082
.. stage___ 243.7144 32.9151 -24.36 26.18 1.06 1.24 -0.11 4.11 4.44 EDM data
.. DUNP_GPS 243.7194 33.7504 -11.45 13.76 1.44 1.42 -0.04 -5.23 3.52 1990.1739 -- 1997.2452 7.0714
.. DEAD7267 243.7211 34.2550 -3.08 0.53 2.03 2.74 0.10 61.18 16.79 VLBI data
43 SDHL_GPS 243.7211 34.2550 -3.08 7.63 0.92 0.92 -0.12 1.20 3.09 2002.1822 -- 2004.7398 2.5576

43 SAND_GPS 243.7211 34.2550 -3.08 7.63 0.92 0.92 -0.12 1.92 2.67 1990.8118 -- 2004.3101 13.4983
.. sandhill 243.7211 34.2550 -5.43 10.97 1.41 1.18 -0.07 53.03 4.90 EDM data
.. yak_____ 243.7225 33.1024 -22.70 23.87 1.11 1.47 -0.06 0.76 4.84 EDM data
.. CAHU_GPS 243.7263 33.6386 -13.16 15.00 1.16 1.18 -0.08 -1.60 2.87 1990.1739 -- 2000.6688 10.4950
.. BMT2_GPS 243.7268 34.5570 -5.29 8.78 1.78 1.78 -0.02 -4.62 6.92 1999.9164 -- 2002.9877 3.0712
.. BMT1_GPS 243.7278 34.5865 -2.60 8.32 1.73 1.73 -0.00 -2.35 6.81 1999.9164 -- 2002.9877 3.0712
.. THOU_GPS 243.7282 33.8894 -6.43 9.90 1.68 1.64 -0.02 -3.69 3.46 1990.1739 -- 1997.2452 7.0714
.. HEBR_GPS 243.7370 34.4115 2.97 10.50 2.16 1.99 -0.03 11.16 7.73 1999.2699 -- 2001.5384 2.2685
.. ADZU_GPS 243.7504 34.3522 -2.56 9.86 1.97 1.84 -0.06 14.92 6.94 1997.8315 -- 2001.5384 3.7068
.. 1109_GPS 243.7530 33.1598 -21.97 23.94 1.03 1.05 -0.10 -0.56 2.66 1991.2288 -- 2000.3975 9.1688
.. CHUK_GPS 243.7564 34.5708 -1.14 7.14 1.54 1.53 -0.04 -4.62 5.47 1997.8315 -- 2002.9877 5.1562
.. SCP5_GPS 243.7631 34.4325 3.07 9.17 1.37 1.36 -0.04 -3.53 4.44 1998.7610 -- 2002.9877 4.2267
06 BLFA_GPS 243.7667 33.2583 -20.75 22.19 1.12 1.08 -0.10 -2.10 4.24 1994.1329 -- 1997.7356 3.6027
.. SD09_GPS 243.7668 33.2569 -23.76 24.84 1.44 1.46 -0.03 -6.10 5.85 1995.0324 -- 1997.7356 2.7032
.. bluff___ 243.7669 33.2567 -18.88 21.87 1.10 1.08 -0.03 1.11 3.41 EDM data
06 SD91_GPS 243.7669 33.2570 -20.75 22.19 1.12 1.08 -0.10 -4.95 7.06 1994.1329 -- 1997.7356 3.6027
.. TIVA_GPS 243.7703 36.9348 -2.17 0.71 0.93 0.94 -0.10 -1.77 2.50 1999.3630 -- 2004.7398 5.3768
.. SAIS_GPS 243.7769 31.1915 -30.77 31.31 1.00 0.97 -0.13 0.51 2.57 1993.2945 -- 2001.8726 8.5781
.. PK02_GPS 243.7771 34.8910 -5.34 1.31 1.32 1.33 -0.05 1.97 4.60 1999.8397 -- 2003.1164 3.2767
.. COLO_GPS 243.7880 31.1007 -30.80 31.54 1.00 0.97 -0.13 -1.09 2.46 1993.2945 -- 2002.1822 8.8877
.. SKUL_GPS 243.7894 36.7305 -2.49 0.57 0.93 0.94 -0.10 -1.69 2.51 1999.3630 -- 2004.7398 5.3768
.. AMAR_GPS 243.7901 31.8453 -28.07 31.47 0.98 0.96 -0.13 -1.08 2.47 1993.2945 -- 2001.8726 8.5781
.. LDSW_GPS 243.7909 34.6994 -3.98 1.97 1.05 1.05 -0.09 0.69 2.90 1999.7959 -- 2004.7398 4.9439
.. inspncer 243.8045 33.9357 -6.23 8.28 1.26 1.11 0.05 0.56 4.89 EDM data
.. martinez 243.8092 33.5237 -12.65 15.00 1.07 1.04 -0.01 -0.18 3.23 EDM data
.. keys____ 243.8092 34.0826 -4.56 7.92 1.30 1.20 0.00 1.31 4.85 EDM data
.. SCP4_GPS 243.8136 34.3484 -1.96 4.43 1.37 1.36 -0.05 0.43 4.42 1998.7610 -- 2002.9877 4.2267
.. SD22_GPS 243.8186 32.8324 -25.58 27.69 1.70 2.11 -0.07 -7.73 5.77 1991.2949 -- 1995.6452 4.3503
.. elephant 243.8245 33.0451 -22.85 25.18 1.10 1.10 -0.08 0.70 4.72 EDM data
.. BERD_GPS 243.8250 33.8102 -8.98 9.36 1.42 1.33 -0.04 -0.72 3.39 1990.1739 -- 1997.2452 7.0714
.. KYVW_GPS 243.8266 33.9254 -5.80 9.42 1.05 1.04 -0.10 0.19 2.86 2001.5603 -- 2004.7398 3.1795
.. PBB4_GPS 243.8270 33.9524 -3.22 8.67 1.15 1.17 -0.07 -1.45 4.02 1994.3822 -- 2000.0697 5.6875
.. GAPP_GPS 243.8288 33.7490 -9.28 10.44 1.18 1.17 -0.07 0.83 3.30 1990.9131 -- 1998.3849 7.4719
.. COND_GPS 243.8313 32.4669 -25.86 28.75 0.97 0.96 -0.12 1.05 2.47 1993.2945 -- 2001.8726 8.5781
.. PUET_GPS 243.8316 34.3136 -0.39 4.23 2.07 2.14 0.02 4.57 7.85 1999.9795 -- 2002.9877 3.0082
.. jacumba_ 243.8355 32.6978 -24.94 28.42 1.09 1.11 -0.12 0.07 3.52 EDM data
.. LLCO_GPS 243.8393 31.2566 -30.38 31.17 0.99 0.96 -0.13 0.01 2.45 1993.1583 -- 2002.1822 9.0239
.. TMAP_GPS 243.8395 33.6412 -12.18 15.07 0.99 0.98 -0.11 -7.72 2.59 2000.2090 -- 2004.7398 4.5308
.. VORO_GPS 243.8402 33.6280 -10.88 14.64 1.47 1.49 -0.02 -4.91 3.28 1990.1739 -- 1997.2452 7.0714
.. COCH_GPS 243.8417 33.7403 -8.97 8.99 1.13 1.10 -0.09 0.08 2.77 1990.1739 -- 2000.6688 10.4950
.. C101_GPS 243.8455 33.5457 -12.43 13.70 2.20 1.79 0.00 -25.42 5.89 1996.5068 -- 2000.6688 4.1620
.. OPCX_GPS 243.8505 34.4301 -0.16 3.51 1.06 1.05 -0.09 -1.71 2.90 1999.8151 -- 2004.7398 4.9247
.. NBPS_GPS 243.8518 34.5086 -1.28 2.85 1.13 1.13 -0.08 0.25 3.24 1999.9795 -- 2004.7398 4.7604
.. palm____ 243.8738 33.3079 -14.85 16.21 1.15 1.06 -0.14 1.03 4.62 EDM data
.. POIN_GPS 243.8802 36.5796 -2.27 0.51 0.94 0.94 -0.10 -1.71 2.52 1999.3630 -- 2004.7398 5.3768
.. MESQ_GPS 243.8866 34.1933 0.38 2.95 1.08 1.11 -0.12 -3.76 3.75 1991.9390 -- 2002.4397 10.5007
.. mesquite 243.8866 34.1933 -3.63 6.40 1.49 1.45 -0.23 1.77 4.62 EDM data
.. ocotillo 243.8910 33.1312 -20.77 22.26 1.07 1.02 -0.09 -1.99 3.21 EDM data
.. JOHN_GPS 243.9010 36.4588 -2.24 0.65 0.94 0.95 -0.10 -1.80 2.53 1999.3630 -- 2004.7398 5.3768
.. queen___ 243.9029 34.0526 -4.68 6.49 1.43 1.51 0.18 -1.56 4.89 EDM data
.. berdoo__ 243.9110 33.8613 -6.20 7.54 1.15 1.06 -0.09 -0.25 2.88 EDM data
.. USGC_GPS 243.9147 33.0301 -21.77 24.15 0.99 0.98 -0.12 0.76 2.55 1999.6342 -- 2004.7398 5.1056
.. OPCP_GPS 243.9166 34.3671 -1.12 3.86 1.12 1.11 -0.08 -2.10 3.17 1999.9603 -- 2004.7398 4.7795
.. BKAP_GPS 243.9196 35.2870 -3.06 0.07 0.99 0.99 -0.10 1.51 2.69 2001.0671 -- 2004.7398 3.6727
.. segundo_ 243.9209 34.3147 -2.50 6.93 1.61 1.57 -0.37 0.05 5.00 EDM data
.. coolidge 243.9228 33.3823 -13.43 15.01 1.07 1.00 -0.06 -2.27 4.72 EDM data
.. ROBO_GPS 243.9392 33.4408 -11.55 16.94 1.09 1.07 -0.09 -12.82 3.08 1990.1739 -- 1997.2452 7.0714
.. BMHL_GPS 243.9470 34.2514 -1.77 3.85 1.11 1.10 -0.08 -0.97 2.90 1999.9795 -- 2004.7398 4.7604
.. DSHO_GPS 243.9568 33.3970 -12.64 12.03 2.03 1.98 -0.03 2.77 6.69 1990.1739 -- 1995.1493 4.9755
.. mecca___ 243.9704 33.6342 -8.85 9.74 1.05 1.03 -0.03 -0.72 4.83 EDM data
62 XERO_GPS 243.9797 34.2660 -0.90 1.10 2.40 2.24 0.01 -24.16 45.33 1997.8315 -- 2000.3046 2.4731
.. SIBE_GPS 243.9844 34.6243 -3.71 2.10 0.95 0.95 -0.11 -0.20 2.48 1991.3905 -- 2004.7398 13.3493
.. carri_sa 243.9849 32.8252 -23.80 26.54 1.06 1.01 -0.07 -0.51 3.50 EDM data
.. PAIN_GPS 243.9915 33.6120 -8.15 8.06 0.99 0.98 -0.12 -2.14 2.67 1990.1739 -- 2000.6688 10.4950
62 SCP1_GPS 243.9938 34.2669 -0.90 1.10 2.40 2.24 0.01 3.54 5.27 1998.7610 -- 2002.9877 4.2267
.. OCTI_GPS 243.9982 32.7338 -26.09 29.55 1.03 1.03 -0.11 -1.97 2.93 1988.1600 -- 1997.2452 9.0852
.. F726_GPS 244.0014 33.9741 -7.30 4.85 1.71 1.42 -0.11 -2.95 4.17 1990.1739 -- 1997.2452 7.0714
.. BEMT_GPS 244.0018 34.0005 -3.43 5.40 1.07 1.07 -0.09 -0.52 2.97 2001.9685 -- 2004.7398 2.7713
.. CACT_GPS 244.0101 33.6551 -8.08 9.44 0.99 0.98 -0.11 -0.30 2.62 2000.2090 -- 2004.7398 4.5308
.. fish____ 244.0192 32.9818 -22.57 25.17 1.09 1.00 -0.05 0.76 4.57 EDM data
.. MERC_GPS 244.0210 36.6325 -2.30 0.36 0.94 0.94 -0.10 -1.62 2.52 1989.9056 -- 2004.7398 14.8342
.. SLMS_GPS 244.0222 33.2922 -12.17 15.95 1.03 1.02 -0.10 -0.47 2.58 1999.6342 -- 2004.7398 5.1056
.. valmtecc 244.0308 34.2183 -3.16 5.12 1.45 1.91 -0.23 -0.43 4.91 EDM data
.. SCP2_GPS 244.0315 34.4192 -0.40 2.26 1.35 1.34 -0.05 -0.33 4.31 1997.8315 -- 2002.9877 5.1562
.. 1113_GPS 244.0361 33.6772 -7.04 6.41 1.16 1.16 -0.07 0.99 2.71 1991.2949 -- 2004.5158 13.2210

.. PK04_GPS 244.0419 35.0212 -3.04 -2.13 1.04 1.04 -0.09 4.25 3.22 1999.8397 -- 2003.1164 3.2767
.. RAYO_GPS 244.0423 31.9730 -25.82 29.58 0.97 0.95 -0.13 -0.42 2.43 1993.2945 -- 2002.1822 8.8877
.. 29_palms 244.0485 34.0586 -3.50 5.71 1.51 2.06 0.23 0.01 5.00 EDM data
.. INDB_GPS 244.0624 31.5515 -28.18 30.18 0.99 0.96 -0.12 -0.58 2.53 1993.2945 -- 2001.8726 8.5781
.. 0808_GPS 244.0668 34.7278 -3.71 3.21 1.47 1.53 -0.03 -1.62 3.42 1991.2949 -- 2002.4397 11.1449
.. off_229_ 244.0674 32.6324 -24.25 28.79 1.10 1.02 -0.08 -1.10 3.34 EDM data
.. GODW_GPS 244.0684 34.1364 -2.20 3.56 1.19 1.11 -0.10 0.72 3.35 1991.2949 -- 2002.4397 11.1449
.. OPBL_GPS 244.0819 34.3699 -1.29 2.50 1.11 1.10 -0.08 -2.13 3.10 1999.9795 -- 2004.7398 4.7604
.. soda____ 244.0821 33.1786 -14.75 17.39 1.06 0.99 -0.08 0.55 4.85 EDM data
.. cila_6__ 244.0831 32.4508 -24.58 28.22 1.31 1.09 0.01 1.73 4.87 EDM data
.. VARN_GPS 244.0861 33.5033 -11.12 8.10 1.07 1.04 -0.10 -5.62 3.06 1990.1739 -- 1997.2452 7.0714
.. I40A_GPS 244.0886 34.7273 -1.98 -0.55 1.15 1.14 -0.08 0.19 3.35 2001.1822 -- 2003.1164 1.9342
.. cottonwo 244.0900 33.7182 -4.90 6.09 1.22 1.11 -0.09 0.00 5.00 EDM data
.. I021_GPS 244.1014 32.7795 -22.56 25.74 1.04 1.06 -0.10 -1.23 3.13 1995.3027 -- 2003.3219 8.0192
.. 0802_GPS 244.1106 35.3713 -2.65 0.18 1.78 2.46 -0.03 0.30 3.43 1991.3905 -- 2000.3975 9.0070
.. 1110_GPS 244.1121 33.1768 -13.80 16.34 0.95 0.95 -0.13 -1.90 2.47 1991.2949 -- 2004.5158 13.2210
.. 1103_GPS 244.1168 32.6747 -23.92 26.89 0.97 0.97 -0.12 -0.15 2.58 1991.2949 -- 2004.5158 13.2210
.. BAGD_GPS 244.1209 34.5812 -0.50 1.65 2.85 2.76 0.06 -1.18 10.62 1997.8315 -- 2002.4397 4.6082
.. diablo__ 244.1269 32.3087 -25.55 27.96 1.35 1.12 -0.04 0.94 4.93 EDM data
.. N125_GPS 244.1382 33.6400 -3.22 5.06 1.40 1.39 -0.03 0.94 4.41 1990.1739 -- 1995.1493 4.9755
.. EXTR_GPS 244.1383 33.1791 -12.73 13.94 1.51 1.36 -0.09 -2.10 4.10 1990.1739 -- 1995.1493 4.9755
.. SM01_GPS 244.1652 31.6236 -27.62 30.20 1.00 0.97 -0.12 -0.67 2.54 1993.1583 -- 2002.1822 9.0239
.. TRAN_GPS 244.1665 33.4294 -9.77 8.95 1.01 0.99 -0.10 0.08 2.52 1990.1739 -- 2001.1822 11.0083
.. SM07_GPS 244.1684 31.6460 -28.00 29.10 1.22 1.22 -0.08 0.32 3.79 1997.2452 -- 2000.7828 3.5376
.. SM08_GPS 244.1696 31.6367 -28.30 29.62 1.27 1.24 -0.08 2.45 4.01 1997.2452 -- 2000.7828 3.5376
.. SM03_GPS 244.1729 31.6246 -27.12 29.98 1.24 1.23 -0.08 0.83 3.97 1997.2452 -- 2000.7828 3.5376
.. sup_____ 244.1748 32.9549 -22.42 24.17 1.10 1.00 -0.07 -0.67 4.93 EDM data
.. SM04_GPS 244.1752 31.6303 -27.11 30.10 1.27 1.24 -0.07 -1.71 4.10 1997.2452 -- 2000.7828 3.5376
.. SM06_GPS 244.1762 31.6384 -28.26 29.85 1.12 1.09 -0.09 -0.52 3.23 1997.2452 -- 2002.1822 4.9370
.. kane____ 244.1763 33.0614 -19.42 20.48 1.12 1.02 -0.05 0.00 4.99 EDM data
.. SM05_GPS 244.1775 31.6340 -28.30 29.21 1.27 1.29 -0.06 -2.27 4.34 1997.2452 -- 2000.7828 3.5376
88 salton__ 244.1844 33.4310 -7.48 7.83 1.03 1.01 -0.08 2.73 4.64 EDM data
88 SALT_GPS 244.1844 33.4310 -8.46 7.64 1.00 0.99 -0.10 -0.06 2.75 1995.1493 -- 2001.1438 5.9945
80 OCOT_GPS 244.2038 32.7901 -21.87 26.24 0.93 0.91 -0.13 -2.50 2.31 1988.1600 -- 2004.5158 16.3558
80 dixie___ 244.2040 32.7910 -23.45 27.54 1.07 1.00 -0.05 0.32 3.48 EDM data
.. NVAL_GPS 244.2113 33.3946 -8.23 7.36 1.91 1.81 -0.15 6.56 7.90 1995.7247 -- 1999.3630 3.6384
51 SVAL_GPS 244.2118 33.3899 -10.10 9.03 0.93 0.92 -0.13 0.30 9.55 1995.7247 -- 1999.3630 3.6384
51 DHLG_GPS 244.2120 33.3898 -10.10 9.03 0.93 0.92 -0.13 -1.23 2.31 1996.2609 -- 2004.7398 8.4789
.. 02NE_GPS 244.2127 33.4271 -10.68 7.40 1.04 1.36 -0.07 -1.25 2.73 1995.9959 -- 2003.4973 7.5014
.. 14SE_GPS 244.2131 33.3835 -10.63 8.65 1.62 1.61 -0.06 -0.98 7.75 1995.9959 -- 1999.3630 3.3671
.. 25SE_GPS 244.2168 33.4405 -8.91 7.01 1.03 1.01 -0.11 -1.54 2.76 1995.9959 -- 2003.4973 7.5014
.. orocopia 244.2202 33.5691 -4.96 4.74 1.12 1.12 0.02 -2.44 4.98 EDM data
.. S_31_GPS 244.2304 33.4271 -7.48 6.77 1.07 1.04 -0.09 0.25 2.77 1995.7247 -- 2003.4973 7.7726
.. JTRE_GPS 244.2359 33.8341 -2.95 2.77 1.70 1.56 -0.03 -0.19 3.56 1990.1739 -- 1997.2452 7.0714
.. L589_GPS 244.2389 32.9506 -19.65 23.84 0.94 0.93 -0.13 0.62 2.45 1988.1600 -- 2004.5158 16.3558
.. ELJA_GPS 244.2402 31.4930 -27.99 30.05 0.99 0.96 -0.12 -0.56 2.51 1993.2945 -- 2002.1822 8.8877
.. 07NE_GPS 244.2479 33.4124 -8.84 6.35 1.15 1.06 -0.09 -1.13 2.88 1995.9959 -- 2003.4973 7.5014
03 AMBO_GPS 244.2575 34.5586 -2.36 1.28 1.25 1.18 -0.05 -0.94 3.61 1991.2949 -- 2002.4397 11.1449
03 AMB1_GPS 244.2575 34.5588 -2.36 1.28 1.25 1.18 -0.05 -1.90 4.49 1999.7986 -- 2003.1164 3.3178
.. MELR_GPS 244.2614 30.9797 -30.23 30.86 1.00 0.97 -0.13 -0.69 2.51 1993.2945 -- 2001.8726 8.5781
.. CRRS_GPS 244.2650 33.0698 -11.83 18.05 0.98 0.96 -0.12 -1.78 2.51 1999.1467 -- 2004.7398 5.5931
.. 05NE_GPS 244.2653 33.4271 -7.78 2.84 1.25 1.20 -0.06 -14.77 3.50 1995.9959 -- 2003.4973 7.5014
.. I019_GPS 244.2706 32.7890 -20.98 25.96 1.05 1.06 -0.10 -4.19 3.29 1995.3027 -- 2003.3219 8.0192
79 O225_GPS 244.2745 32.6481 -20.85 28.57 1.04 1.02 -0.10 0.44 3.25 1990.1739 -- 1997.2452 7.0714
79 off_225_ 244.2745 32.6481 -21.65 29.59 1.10 1.04 0.00 1.04 3.48 EDM data
.. BLAC_GPS 244.2802 33.6637 -4.25 2.69 0.96 0.94 -0.12 -2.28 2.56 1988.1600 -- 2000.5287 12.3687
.. BLKB7269 244.2802 33.6637 -4.61 2.33 1.28 1.45 -0.14 8.87 7.85 EDM data
.. SIPH_GPS 244.3225 33.4270 -5.26 3.44 1.00 0.97 -0.11 -0.60 2.50 1990.1739 -- 2001.1822 11.0083
.. 928_____ 244.3362 32.2044 -24.91 27.81 1.32 1.27 0.08 -1.69 4.88 EDM data
.. GMRC_GPS 244.3398 34.7840 -1.63 0.25 1.02 1.02 -0.09 -0.04 2.58 1999.8151 -- 2004.7398 4.9247
.. coach___ 244.3439 33.4452 -4.38 2.92 1.07 1.14 0.01 -0.49 4.92 EDM data
.. FRIN_GPS 244.3530 33.3603 -5.27 2.57 0.94 0.91 -0.13 -2.23 2.34 1988.1600 -- 2004.5158 16.3558
.. I018_GPS 244.3536 32.8000 -18.32 25.45 1.03 1.04 -0.09 -3.04 3.30 1995.3027 -- 2003.3685 8.0658
.. HNPS_GPS 244.3647 33.7050 -3.47 2.35 1.03 1.00 -0.10 -0.51 2.56 1999.3630 -- 2004.7398 5.3768
.. alamo___ 244.3888 33.1964 -5.97 1.43 1.11 1.12 -0.09 0.30 4.95 EDM data
.. ACUT_GPS 244.3907 33.0300 -7.69 12.00 1.09 1.06 -0.10 -6.19 3.34 1990.1739 -- 1997.2452 7.0714
.. E122_GPS 244.4055 32.7998 -17.49 22.74 0.96 0.94 -0.12 -3.33 2.54 1990.1739 -- 2003.3219 13.1481
.. SMYC_GPS 244.4125 36.3196 -2.50 0.46 0.94 0.94 -0.10 -0.89 2.52 1999.3630 -- 2004.7398 5.3768
.. IMP1_GPS 244.4302 32.8982 -10.73 18.30 1.38 1.30 -0.04 9.31 4.78 1990.1739 -- 1995.3767 5.2029
.. I026_GPS 244.4354 33.2677 -5.93 1.40 1.03 1.00 -0.10 -4.19 2.94 1995.3027 -- 2003.3685 8.0658
.. fierro__ 244.4398 32.4540 -21.25 28.41 1.29 1.17 0.15 -0.48 4.78 EDM data
.. 1225_GPS 244.4588 32.9417 -7.21 13.09 0.98 0.97 -0.11 -7.79 2.73 1995.3767 -- 2004.5158 9.1391
.. GLRS_GPS 244.4786 33.2748 -3.83 2.65 1.12 1.10 -0.09 -2.12 3.20 2001.8726 -- 2004.7398 2.8672
.. 1111_GPS 244.4812 33.2309 -3.35 1.50 0.95 0.93 -0.12 -1.44 2.47 1991.2288 -- 2004.5158 13.2871
02 1362_GPS 244.4816 32.7965 -13.52 21.03 0.97 0.97 -0.12 -0.39 3.41 1998.5219 -- 2004.5158 5.9939

```
02 I016_GPS 244.4816 32.7984 -13.52    21.03    0.97    0.97 -0.12    -4.25    4.12      1995.3027 -- 2003.3685      8.0658
.. Q122_GPS 244.4912 33.0823    -4.91      3.94    0.98    0.96 -0.11    -5.98    2.66      1995.3027 -- 2004.5158      9.2131
.. CALI_GPS 244.4912 33.1690    -4.13      2.42    1.32    1.17 -0.09    -3.39    3.71      1990.1739 -- 1997.2452      7.0714
.. IVCO_GPS 244.4932 32.8294 -12.29    19.64    1.01    0.99 -0.11    -2.39    2.63      2000.2090 -- 2004.7398      4.5308
.. BORD_GPS 244.4936 32.6645 -19.87    27.09    1.06    1.03 -0.10 -10.64    3.21      1990.1739 -- 1997.2452      7.0714
.. COLL_GPS 244.4975 32.8269 -13.07    19.33    1.04    0.98 -0.11    -1.39    2.95      1988.1600 -- 1997.2452      9.0852
71 oldbeach 244.4989 33.2790    -3.23      0.76    1.03    1.10 -0.05    -2.08    4.73      EDM data
71 OBCH_GPS 244.4989 33.2790    -3.42      1.78    1.15    1.12 -0.07      0.85    3.65      1997.7356 -- 2001.1822      3.4466
.. HAMA_GPS 244.4992 33.0375    -1.39      3.19    1.28    1.09 -0.10    -1.06    3.29      1990.1739 -- 1999.5521      9.3782
.. T124_GPS 244.4998 32.7380 -18.98    20.44    1.00    0.97 -0.12    -0.29    2.74      1991.3905 -- 2000.3975      9.0070
.. I037_GPS 244.5072 32.6657 -16.08    25.12    1.05    1.07 -0.10    -5.29    3.89      1995.3767 -- 2004.5158      9.1391
.. TAMA_GPS 244.5217 32.8829    -6.45      8.52    1.34    1.17 -0.09    -0.91    4.25      1988.1600 -- 1993.3603      5.2003
.. SPMX_GPS 244.5341 31.0450 -30.71    29.16    1.02    0.99 -0.12    -2.94    2.57      1998.8260 -- 2004.7398      5.9138
.. puerta__ 244.5437 32.3775 -21.07    27.14    1.34    1.23    0.12      0.15    4.38      EDM data
.. david___ 244.5728 32.2223 -23.70    26.54    1.31    1.19    0.15    -0.43    4.80      EDM data
.. 0801_GPS 244.5772 35.5410    -0.98      1.02    1.31    1.67 -0.04    -1.35    3.32      1991.3905 -- 2000.3975      9.0070
.. COAC_GPS 244.5930 33.1962    -2.13      2.73    1.08    1.01 -0.10    -0.87    2.93      1988.1600 -- 1997.2452      9.0852
.. I014_GPS 244.5936 32.8063    -3.32      7.51    1.01    1.00 -0.10    -4.87    3.23      1995.3027 -- 2003.3685      8.0658
.. ORIE_GPS 244.5936 32.9168    -1.81      3.94    1.01    0.97 -0.11    -2.66    2.87      1988.1600 -- 1997.2452      9.0852
.. RVAL_GPS 244.5980 35.1417    -2.08    -0.33    0.91    0.91 -0.11      1.28    2.37      1991.3905 -- 2001.5384    10.1478
.. DESO_GPS 244.5996 33.7151    -0.56      2.40    1.59    1.26 -0.05    -0.06    3.63      1990.1739 -- 2000.3975    10.2237
.. HOLT_GPS 244.6037 32.7814    -2.73      9.30    0.97    0.94 -0.12    -1.19    2.51      1990.1739 -- 2000.3975    10.2237
.. SALD_GPS 244.6132 31.7718 -24.69    27.86    0.97    0.95 -0.13    -0.93    2.46      1993.2945 -- 2001.8726      8.5781
.. I013_GPS 244.6370 32.8114    -1.35      5.04    0.98    0.97 -0.12    -4.75    2.76      1995.3027 -- 2003.3685      8.0658
.. beals___ 244.6417 33.3546    -1.63      0.70    1.08    1.36 -0.11      0.22    4.99      EDM data
.. butte___ 244.6552 33.5614    -1.95      1.71    1.35    1.45 -0.18      0.00    5.00      EDM data
.. LPUR_GPS 244.6571 32.3557 -18.07    26.66    0.96    0.93 -0.12    -1.84    2.45      1993.1583 -- 2002.1822      9.0239
.. 0809_GPS 244.6730 34.8063      0.00    -0.35    1.33    1.22 -0.07    -1.49    2.99      1991.2949 -- 2001.5384    10.2435
75 mayor___ 244.6906 32.0906 -22.71    25.57    1.29    1.18    0.13      0.94    4.91      EDM data
.. CPVO_GPS 244.6925 32.4183 -10.87    24.15    1.11    0.99 -0.11    -5.70    2.96      1991.7904 -- 2000.7828      8.9924
.. prieto__ 244.6925 32.4183 -17.51    26.12    2.55    2.98 -0.01      0.14    4.96      EDM data
.. 24______ 244.6939 32.3344 -16.99    27.23    1.60    1.80    0.22      0.01    5.00      EDM data
.. I046_GPS 244.7020 32.9673    -1.03      2.17    0.97    0.96 -0.12    -3.62    2.77      1995.3767 -- 2004.5158      9.1391
.. 1104_GPS 244.7169 32.6963    -4.66    11.15    0.96    0.94 -0.13    -4.49    2.63      1991.2949 -- 2004.5158    13.2210
.. FI18_GPS 244.7270 32.5883 -10.68    10.77    0.98    0.94 -0.12    -2.90    2.51      1991.7904 -- 2003.2616    11.4712
.. salva___ 244.7385 33.2337    -0.90      0.05    1.11    1.62    0.18      0.45    4.98      EDM data
.. GLOC_GPS 244.7535 32.8396    -2.54    -1.48    0.99    0.94 -0.12    -9.22    2.62      1988.1600 -- 1998.5219    10.3619
.. ASA1_GPS 244.7542 32.6292    -6.72      7.54    0.96    0.93 -0.13    -2.02    2.45      1991.2288 -- 2002.9877    11.7589
.. VM15_GPS 244.7545 32.2446 -18.41    26.19    1.12    1.11 -0.08    -5.24    3.73      1995.1493 -- 1999.3630      4.2137
.. 1114_GPS 244.7569 33.6807    -1.77      1.45    1.23    1.10 -0.09    -3.35    2.90      1991.2949 -- 2000.3975      9.1027
75 MAYR_GPS 244.7572 31.9884 -23.77    26.48    0.99    0.95 -0.11    -0.14    2.64      1993.1583 -- 2002.1822      9.0239
.. COXO_GPS 244.7727 34.0404    -4.04    -0.09    1.50    1.47    0.03    -1.62    4.58      1990.1739 -- 1995.1493      4.9755
.. 0814_GPS 244.7817 34.0442    -1.40      1.84    1.75    1.42 -0.06      0.22    3.08      1991.2949 -- 2000.3975      9.1027
.. ALAM_GPS 244.8415 37.3580    -2.73      0.22    1.22    1.23 -0.05      1.96    3.90      2000.7828 -- 2003.4973      2.7145
.. IMPS_GPS 244.8549 34.1576    -1.69      1.33    1.05    1.03 -0.09    -1.58    2.63      1999.3630 -- 2004.5922      5.2292
.. MACK_GPS 244.8558 32.7288    -3.69      2.89    1.02    0.99 -0.11    -2.46    3.04      1990.1739 -- 1999.3630      9.1892
.. MONT_GPS 244.9251 32.5586    -5.78      1.53    1.00    0.98 -0.11    -5.51    2.82      1993.1583 -- 1999.3630      6.2047
.. JUNC_GPS 244.9381 32.7092    -2.35      2.23    0.95    0.93 -0.12    -2.47    2.56      1990.1739 -- 2004.5158    14.3420
.. ELCH_GPS 244.9457 31.4924 -25.36    27.28    0.98    0.95 -0.12    -0.34    2.51      1993.2945 -- 2001.8726      8.5781
.. IID2_GPS 244.9682 32.7062    -1.86      2.45    0.99    0.97 -0.11    -2.00    2.55      1999.6342 -- 2004.7398      5.1056
.. FORD_GPS 245.0112 33.6092      0.16      0.94    1.96    1.48 -0.08    -1.21    4.48      1990.1739 -- 1995.1493      4.9755
.. CP12_GPS 245.0195 32.0977 -22.80    19.41    1.15    1.13 -0.08    -4.13    3.89      1997.2452 -- 2002.9877      5.7425
.. CP13_GPS 245.0663 32.1431    -6.81      8.79    1.08    0.99 -0.10    -2.64    2.78      1993.1583 -- 2002.1822      9.0239
.. APEX_GPS 245.0682 36.3191    -2.41      0.63    0.93    0.93 -0.10    -0.80    2.50      1999.3630 -- 2004.7398      5.3768
.. CPEI_GPS 245.0856 32.2514    -6.87      6.93    0.98    0.97 -0.10    -5.86    2.68      1993.1583 -- 2002.9877      9.8293
.. IPE0_GPS 245.1518 32.5041      3.91      3.54    1.58    1.70 -0.01    -4.87    4.39      1993.1583 -- 1997.2452      4.0869
.. GMPK_GPS 245.1727 33.0511    -1.36      1.81    1.01    0.99 -0.10    -1.58    2.67      2000.2090 -- 2004.7398      4.5308
.. SFBC_GPS 245.1929 30.9306 -29.76    27.47    0.98    0.93 -0.13    -0.03    2.40      1989.3624 -- 2002.1822    12.8198
37 R122_GPS 245.1929 32.8570    -2.49      1.23    1.16    1.13 -0.07 -10.42    5.54      1995.3027 -- 1997.2452      1.9425
37 T122_GPS 245.1950 32.8583    -2.49      1.23    1.16    1.13 -0.07      0.07    5.06      1990.1739 -- 1995.1493      4.9755
.. PAVE_GPS 245.2532 33.4504      0.86      2.47    2.57    2.10    0.04      0.27 10.94      1990.1739 -- 1994.2644      4.0905
.. BLYT_GPS 245.2851 33.6104    -1.55      1.61    0.90    0.88 -0.13    -1.31    2.20      1994.0425 -- 2004.7398    10.6973
.. 1105_GPS 245.2962 32.7460      0.35      2.01    2.25    1.94    0.02 -15.97    9.64      1991.2949 -- 1994.2644      2.9695
.. 0812_GPS 245.3493 34.4765      1.65      0.04    1.32    1.07 -0.04    -1.77    3.29      1991.2949 -- 2000.3975      9.1027
.. NEED_GPS 245.3960 34.8066    -1.73      0.78    1.26    1.08 -0.06    -3.37    3.09      1991.2949 -- 2000.3975      9.1027
.. 1115_GPS 245.4758 33.7191    -0.97      2.22    1.91    1.64    0.01    -7.15    5.61      1991.2949 -- 1995.5301      4.2353
.. ENDD_GPS 245.5186 34.0441      0.88      0.46    1.17    1.02 -0.07    -2.88    2.69      1990.1739 -- 2000.3975    10.2237
64 YELL_GPS 245.5193 62.4809      0.27    -1.07    0.68    0.70    0.07      1.56    1.84      1991.0918 -- 2004.7398    13.6480
64 YELL7296 245.5207 62.4806      0.63    -1.16    1.02    1.04    0.03    14.51    4.11      VLBI data
.. PRDS_GPS 245.7065 50.8714      0.67    -2.04    0.71    0.76 -0.01    -3.27    2.00      1997.1603 -- 2004.7398      7.5795
.. YUMA7894 245.7969 32.9391      0.10      1.87    1.21    1.32 -0.08    23.18    6.24      VLBI data
.. YUMA_GPS 245.7969 32.9391    -0.44      2.33    1.08    1.01 -0.09    -0.62    3.17      1986.4657 -- 1995.3027      8.8371
.. GNPS_GPS 245.8106 34.3086    -0.77      1.37    0.97    0.96 -0.10      0.98    2.61      2000.6688 -- 2004.7398      4.0710
.. PENA_GPS 246.4805 31.3538    -1.09      1.69    0.96    0.91 -0.12      1.83    2.36      1989.3624 -- 2002.1822    12.8198
.. GTRG_GPS 246.7588 43.2441    -1.43    -0.58    0.82    0.85 -0.06    -0.60    2.32      1999.6342 -- 2004.7398      5.1056
```

.. FRED_GPS 247.5008 36.9883 -0.56 -0.05 0.89 0.89 -0.09 -1.36 2.42 1999.5000 -- 2004.7398 5.2398
.. NAIU_GPS 247.7704 41.0157 -0.80 -0.39 0.82 0.84 -0.07 -0.10 2.29 1999.0589 -- 2004.7398 5.6809
.. HAMG_GPS 247.8334 43.9628 8.39 -3.46 1.23 1.28 -0.03 -3.72 4.07 1999.6342 -- 2001.8726 2.2384
.. EOUT_GPS 248.0711 41.2532 0.32 -0.26 0.82 0.84 -0.07 -0.50 2.33 1999.0589 -- 2004.7398 5.6809
.. LMUT_GPS 248.0717 40.2614 -2.04 -0.13 0.95 0.96 -0.06 0.43 2.79 1999.0589 -- 2002.9877 3.9288
.. RBUT_GPS 248.1912 40.7811 -0.51 0.20 0.83 0.84 -0.08 -0.60 2.32 1999.0589 -- 2004.7398 5.6809
.. FLAG7261 248.3653 35.2147 -0.69 0.79 1.14 1.26 -0.07 10.96 6.13 VLBI data
.. NOMT_GPS 248.3702 45.5969 0.07 -0.78 0.86 0.89 -0.03 -0.82 2.56 2000.6688 -- 2004.7398 4.0710
.. OFWY_GPS 249.1681 44.4518 -0.41 -2.74 0.92 0.95 -0.03 -2.70 2.87 2001.2753 -- 2003.8370 2.5616
.. MAWY_GPS 249.3107 44.9734 1.62 0.97 0.80 0.82 -0.04 0.91 2.30 1999.3630 -- 2004.7398 5.3768
.. TSWY_GPS 249.4025 43.6741 -0.17 -0.58 1.05 1.07 -0.03 -3.43 3.33 2002.5384 -- 2004.7398 2.2015
.. LKWY_GPS 249.5998 44.5651 -1.03 0.53 0.79 0.82 -0.05 -7.92 2.26 1999.0589 -- 2004.7398 5.6809
.. VERN7290 250.4293 40.3270 3.28 -1.03 1.18 1.42 0.01 21.84 7.66 VLBI data
66 PIETOWN_ 251.8808 34.3010 -0.62 0.13 0.94 0.92 -0.07 1.44 2.77 VLBI data
66 PIE1_GPS 251.8811 34.3015 0.07 -0.05 0.78 0.74 -0.11 0.70 1.94 1993.0178 -- 2004.7398 11.7220
.. LA-VLBA_ 253.7544 35.7751 0.13 1.56 0.89 0.87 -0.06 2.58 2.59 VLBI data
.. PLAT7258 255.2737 40.1828 -0.75 -1.52 0.86 0.92 -0.02 5.43 3.98 VLBI data
.. AMC2_GPS 255.4754 38.8031 -0.88 0.49 0.75 0.73 -0.06 -1.62 1.98 1998.8260 -- 2004.7398 5.9138
.. MDO1_GPS 255.9850 30.6805 0.18 0.39 0.83 0.77 -0.08 -0.10 2.02 1993.4425 -- 2004.7398 11.2973
.. FD-VLBA_ 256.0552 30.6350 -0.46 2.56 1.05 1.00 -0.05 1.31 3.02 VLBI data
.. FLIN_GPS 258.0220 54.7256 0.58 -1.66 0.62 0.62 0.02 1.25 1.64 1996.5068 -- 2004.7398 8.2330
.. DUBO_GPS 264.1338 50.2588 -0.16 -0.98 0.60 0.60 -0.00 0.71 1.58 1996.8128 -- 2004.7398 7.9270
.. RESO_GPS 265.1063 74.6908 -4.29 3.75 1.20 1.16 0.01 4.05 3.26 2002.9877 -- 2004.7398 1.7521
.. CHUR_GPS 265.9113 58.7591 0.99 -1.33 0.62 0.61 0.02 8.17 1.64 1996.2609 -- 2004.7398 8.4789
.. NLIB_GPS 268.4251 41.7716 0.55 0.39 0.60 0.58 -0.01 -2.70 1.52 1993.2298 -- 2004.7398 11.5100
39 RICHMOND 279.6153 25.6138 0.25 0.13 1.21 1.16 0.03 -1.04 3.73 VLBI data
39 RICM_GPS 279.6158 25.6138 1.38 1.14 1.07 1.00 0.04 -2.87 5.98 1989.2500 -- 1992.6384 3.3884
39 RCM5_GPS 279.6161 25.6138 1.38 1.14 1.07 1.00 0.04 -4.72 3.11 1993.7986 -- 1996.8128 3.0142
04 AOML_GPS 279.8378 25.7347 0.73 0.39 0.97 0.90 0.04 -1.20 2.63 1997.9658 -- 2003.5849 5.6192
04 MIA3_GPS 279.8398 25.7328 0.73 0.39 0.97 0.90 0.04 -1.66 3.35 2001.0671 -- 2003.5849 2.5178
65 ALGOPARK 281.9273 45.9555 0.79 -0.75 0.75 0.76 0.02 -2.54 2.56 VLBI data
65 ALGO_GPS 281.9286 45.9558 0.23 -0.97 0.57 0.57 0.02 0.97 1.48 1991.0918 -- 2004.7398 13.6480
.. USNO_GPS 282.9338 38.9190 -0.25 0.17 0.69 0.68 0.04 -2.48 1.87 1997.3493 -- 2004.7398 7.3905
.. GODE_GPS 283.1732 39.0217 -0.10 0.36 0.65 0.64 0.05 -3.07 1.72 1993.4425 -- 2004.7398 11.2973
.. NRC1_GPS 284.3762 45.4542 -0.11 0.15 0.63 0.63 0.03 2.84 1.69 1996.2609 -- 2004.7398 8.4789
68 WESTFORD 288.5062 42.6129 1.19 0.48 0.87 0.88 0.03 -4.74 3.03 VLBI data
68 WES2_GPS 288.5067 42.6133 0.47 -0.99 0.63 0.64 0.06 -3.10 1.69 1993.1583 -- 2004.7398 11.5815
.. HAYSTACK 288.5119 42.6233 1.11 0.60 0.87 0.88 0.03 -4.50 3.03 VLBI data
.. BARN_GPS 288.8404 44.0991 0.12 -0.30 0.91 0.89 0.03 1.03 2.65 2000.6688 -- 2003.5849 2.9161
.. THU1_GPS 291.2120 76.5373 -2.13 -1.26 0.93 0.88 -0.05 -1.80 2.37 1995.3767 -- 2002.9877 7.6110
.. SCH2_GPS 293.1674 54.8321 -0.47 0.22 0.67 0.69 -0.02 9.18 1.84 1997.7356 -- 2004.7398 7.0042
.. BRMU_GPS 295.3037 32.3704 -0.18 0.38 0.86 0.84 0.09 -2.81 2.19 1993.2298 -- 2004.7398 11.5100
.. STJO_GPS 307.3223 47.5952 -0.37 0.16 0.76 0.82 0.07 -1.33 2.03 1992.4850 -- 2004.7398 12.2548
.. KELY_GPS 309.0552 66.9874 -0.54 -0.37 0.81 0.86 -0.08 -3.54 2.17 1995.7247 -- 2004.7398 9.0152

L#: Site link numbers, ".." means no station ties. Ve, Vn, Vu, dVe, dVn, dVu are east, north, up velocity components and their uncertainties, Cen is the correleation between the east and north components.

Obs. Time Span is the observation time span, and Obs. Length is the length of the observation time span.

Table 3. Postseismic displacements.

Station	Long degree	Lat degree	Pe M	dVe M	Pn M	dVn M	Pu M	dVu M	Cen
				1992 Landers					
0803_pLA	243.585	35.072	2.414	3.674	-8.388	4.158	1.913	5.585	0.042
0808_pLA	244.067	34.728	2.291	2.437	-7.304	2.785	0.262	2.825	0.015
0817_pLA	242.758	34.537	-3.526	2.993	7.156	3.054	-1.745	6.257	-0.085
0818_pLA	242.896	34.022	-1.742	1.743	4.404	1.749	1.006	2.731	-0.068
0821_pLA	243.429	33.561	-1.042	2.398	3.593	3.264	1.227	3.404	-0.076
1113_pLA	244.036	33.677	3.247	1.776	-1.700	1.383	-0.589	1.587	-0.033
6050_pLA	243.666	34.266	11.338	2.002	-5.145	1.897	0.807	9.707	-0.029
6052_pLA	243.160	34.516	-2.425	1.876	-0.406	1.393	7.312	6.699	-0.087
6056_pLA	243.353	34.370	-0.105	2.525	9.208	1.963	2.114	8.103	0.045
6106_pLA	242.604	34.038	-1.256	1.687	0.794	1.655	-0.115	1.297	-0.004
7000_pLA	243.284	34.676	-6.932	0.774	1.290	0.744	-2.001	2.386	-0.016
7001_pLA	243.531	34.560	0.995	0.839	-6.345	0.814	2.383	2.766	-0.018
AMBO_pLA	244.258	34.559	3.129	2.345	-4.905	2.099	-1.068	2.955	-0.006
ANZC_pLA	243.369	33.558	1.089	2.743	9.040	3.509	1.442	3.684	0.006
ASBS_pLA	243.538	33.620	3.801	2.391	9.644	2.860	1.317	3.313	-0.007

B587_pLA	243.484	33.571	-0.348	2.531	-0.563	2.809	0.987	3.293	0.032
BALD_pLA	242.606	34.462	-4.516	3.438	-1.609	2.965	-1.958	4.424	-0.019
BARS_pLA	243.061	35.091	-0.120	1.684	-1.833	1.759	-0.119	1.596	-0.013
BEAR_pLA	243.116	34.264	-3.244	0.682	4.863	0.659	-3.691	2.665	-0.015
BERD_pLA	243.825	33.810	4.606	1.592	-1.263	1.323	-0.569	2.026	-0.001
BNDY_pLA	243.562	33.599	1.007	2.562	5.100	3.086	1.126	3.067	-0.002
BOTR_pLA	243.467	33.776	0.806	3.423	8.933	3.878	5.552	5.872	0.034
BRI2_pLA	242.861	34.014	-1.756	1.062	0.699	1.157	1.517	2.269	-0.016
BRYN_pLA	242.734	34.063	-3.358	1.940	2.809	2.313	0.303	1.698	-0.009
CABA_pLA	243.224	33.916	2.845	0.866	7.712	0.846	5.562	3.141	-0.001
CAHU_pLA	243.726	33.639	2.833	1.431	1.570	1.454	0.134	1.926	0.039
CAJO_pLA	242.549	34.347	-9.581	1.086	4.616	1.105	-2.524	2.701	-0.002
CHER_pLA	243.048	34.003	7.730	1.515	2.482	1.383	-1.916	4.802	0.038
CLSA_pLA	242.620	34.004	-1.186	1.489	2.413	1.882	0.194	1.300	-0.001
COCH_pLA	243.842	33.740	1.764	1.234	1.434	1.110	0.096	1.607	0.002
CRAF_pLA	242.915	34.061	-0.958	2.474	6.135	3.345	1.259	2.988	-0.035
D138_pLA	243.502	33.571	-2.474	3.034	0.440	4.219	1.505	3.291	-0.031
DUNP_pLA	243.719	33.750	1.954	1.820	0.157	1.627	2.582	2.399	-0.014
EDOM_pLA	243.569	33.870	2.845	1.003	5.179	0.996	-0.113	3.662	-0.008
F726_pLA	244.001	33.974	13.951	2.869	-3.508	1.785	0.633	4.704	-0.189
FATL_pLA	242.839	33.964	0.833	1.673	1.524	1.697	0.312	2.517	-0.009
FLAS_pLA	242.983	34.824	-14.761	4.396	5.714	3.564	2.895	5.244	-0.032
G109_pLA	243.366	33.557	0.076	2.777	11.139	3.640	1.406	3.694	-0.010
G120_pLA	243.397	33.565	3.445	3.310	10.183	4.425	1.577	3.690	-0.003
G123_pLA	243.413	33.567	-0.201	3.350	11.163	4.492	1.078	3.687	0.017
G124_pLA	243.417	33.565	-1.128	3.256	4.620	4.418	1.976	3.588	0.022
G125_pLA	243.421	33.564	0.977	3.390	2.563	4.684	1.560	3.593	0.013
G128_pLA	243.442	33.562	0.950	3.261	5.470	4.564	1.376	3.493	0.008
G134_pLA	243.479	33.570	1.135	3.118	-0.288	4.213	1.264	3.389	-0.005
GAPP_pLA	243.829	33.749	2.081	1.034	-0.500	0.955	0.030	1.613	-0.003
GARN_pLA	243.462	33.898	3.856	0.889	6.738	0.858	-1.052	2.883	-0.024
GODW_pLA	244.068	34.136	6.029	1.591	-3.573	1.117	-3.224	3.982	-0.116
GREN_pLA	243.553	33.574	2.421	2.404	6.671	2.865	1.789	2.966	0.006
HECT_pLA	243.579	34.785	0.555	0.866	-6.387	0.783	2.362	2.823	-0.022
HIGH_pLA	242.831	34.134	-5.424	2.402	3.218	2.516	0.342	2.573	-0.041
INA6_pLA	243.415	34.040	1.606	4.090	-2.803	3.969	13.584	13.197	0.026
INDO_pLA	243.223	33.795	8.785	1.501	1.340	1.465	-0.566	5.384	-0.021
JOES_pLA	243.410	33.646	-3.335	2.768	-0.721	2.980	1.904	4.351	0.037
JTRE_pLA	244.236	33.834	4.383	2.971	-0.224	2.546	-0.784	2.858	0.027
JUR3_pLA	242.557	34.032	-5.628	0.981	0.815	1.036	0.278	1.270	-0.023
K587_pLA	243.584	33.610	1.594	3.100	5.488	4.497	1.201	3.000	0.000
L587_pLA	243.589	33.623	1.880	3.040	4.863	4.039	1.501	3.086	-0.022
LAE1_pLA	243.443	34.574	-7.688	1.016	-5.083	1.051	4.539	3.840	-0.014
LAE2_pLA	243.478	34.589	-0.762	1.197	-7.804	1.179	4.224	5.018	-0.069
LAE3_pLA	243.513	34.618	-1.625	1.406	-10.322	1.302	1.448	5.115	-0.183
LAE4_pLA	243.671	34.734	-1.168	1.428	-10.711	1.208	8.421	4.442	-0.019
LAW1_pLA	243.412	34.542	-4.906	0.920	2.191	0.953	1.071	3.572	-0.012
LAW2_pLA	243.376	34.527	-3.925	0.942	2.981	0.963	2.630	3.904	-0.023
LAW3_pLA	243.331	34.502	-2.351	1.001	6.784	1.053	3.640	4.702	-0.031
LAW4_pLA	243.335	34.454	-4.985	1.046	8.546	1.104	0.866	4.423	0.002
LAZY_pLA	243.486	34.344	2.837	0.756	5.432	0.725	6.264	2.400	-0.017
LOKT_pLA	243.426	33.553	2.050	2.275	5.968	2.577	1.711	3.424	-0.003
LUC2_pLA	243.118	34.439	-0.940	3.476	0.416	3.498	-4.612	11.401	-0.042
LUCS_pLA	243.118	34.440	-0.181	1.150	1.375	1.103	-3.671	5.341	-0.113
MAUM_pLA	243.542	34.419	18.969	2.222	2.037	1.993	0.480	9.866	-0.027
METZ_pLA	242.768	33.796	2.446	1.408	1.266	1.238	0.163	2.252	0.017
MILL_pLA	242.989	34.091	-3.860	3.094	4.837	3.581	2.266	3.865	-0.012
MILU_pLA	242.708	34.281	-4.717	1.197	2.184	1.255	-1.174	3.119	0.022
OLDD_pLA	243.302	34.391	-1.286	0.888	9.263	0.907	8.601	3.179	-0.024
OLDW_pLA	243.248	34.389	-3.357	1.001	7.622	1.044	2.088	3.736	-0.016
ONYX_pLA	243.291	34.193	0.869	1.433	8.374	1.210	0.540	5.516	-0.084
ORD__pLA	243.185	34.675	-4.262	1.826	-2.928	1.867	-1.100	17.697	-0.036

PAXU_pLA	243.610	34.153	14.882	0.836	-4.313	0.807	-9.039	2.875	-0.035
PF1__pLA	243.570	33.584	2.877	1.951	-0.512	2.319	0.473	2.917	-0.001
PF5C_pLA	243.523	33.603	2.545	3.312	6.044	4.794	1.489	3.398	0.007
PF6__pLA	243.516	33.581	5.576	1.953	2.658	2.323	0.898	3.176	-0.014
PIN1_pLA	243.542	33.612	1.187	0.554	2.001	0.544	-0.425	0.858	-0.008
PIN2_pLA	243.542	33.612	0.916	0.558	3.057	0.546	1.041	0.896	-0.010
PIN3_pLA	243.542	33.612	0.376	2.410	1.132	2.961	1.281	3.154	-0.007
PINY_pLA	243.541	33.609	2.352	1.174	2.901	1.307	-0.941	2.986	-0.057
PT65_pLA	242.932	34.454	-3.545	2.000	1.534	1.476	2.682	4.950	-0.124
PTHP_pLA	243.701	33.714	1.898	2.169	1.526	2.343	1.367	2.466	-0.017
RAIN_pLA	242.792	34.975	-1.701	2.023	-0.881	1.851	-2.809	2.531	0.027
RCUT_pLA	243.404	33.567	1.789	3.202	3.817	4.206	1.316	3.681	0.022
RICU_pLA	243.531	34.264	-1.438	1.304	1.687	1.289	5.767	3.538	0.002
RMRD_pLA	243.669	33.817	3.204	1.528	1.435	1.484	0.381	3.149	-0.010
ROCH_pLA	243.390	33.611	0.259	0.653	4.138	0.634	2.175	1.072	-0.010
RSRT_pLA	243.608	33.688	0.584	1.070	2.839	1.110	0.938	2.830	-0.003
SAND_pLA	243.721	34.255	8.580	0.688	-7.990	0.646	-4.197	2.051	-0.019
SANS_pLA	242.496	34.211	-3.932	1.525	-2.256	1.389	-0.127	2.108	-0.011
SIBE_pLA	243.984	34.624	2.750	0.981	-4.734	1.040	0.397	2.355	-0.025
SOAP_pLA	243.019	34.904	-2.371	0.991	3.312	0.898	3.626	2.468	-0.022
T138_pLA	243.580	33.609	1.137	3.050	3.711	4.297	1.080	3.092	0.006
THOU_pLA	243.728	33.889	3.895	2.647	0.208	2.520	0.334	2.834	0.013
THRT_pLA	242.503	34.136	-3.024	2.577	1.098	1.883	-0.394	1.699	0.000
TOM2_pLA	243.358	33.925	10.013	2.616	6.305	3.070	0.373	9.058	-0.085
TOME_pLA	243.320	33.619	5.199	2.621	4.962	3.261	2.392	4.289	-0.076
TROY_pLA	243.469	34.839	-0.549	1.030	-7.102	1.100	1.659	3.102	-0.029
VIEW_pLA	243.812	33.926	4.590	1.095	-2.498	1.037	0.770	2.883	-0.013
VORO_pLA	243.840	33.628	1.507	1.652	-0.740	1.557	0.327	1.393	-0.001
WD91_pLA	243.288	33.714	0.902	2.697	3.568	3.137	2.926	5.400	-0.082
WHAY_pLA	243.528	33.684	7.457	2.830	-5.830	2.945	1.617	3.977	-0.018
WIDE_pLA	243.594	33.931	2.965	0.743	6.147	0.723	2.978	2.098	-0.012
0805_pLA	242.471	35.007	0.317	2.974	2.061	2.135	-7.553	7.318	0.019
7288_pLA	243.108	35.331	-0.661	0.901	-3.326	0.904	-1.588	2.825	-0.017
BLAC_pLA	244.280	33.664	2.756	0.693	-1.330	0.660	0.622	1.665	-0.017
DASH_pLA	242.914	33.636	2.940	3.067	1.207	3.577	4.619	12.698	-0.166
DESO_pLA	244.600	33.715	-2.429	2.624	-2.184	1.613	-1.293	5.227	-0.046
GOLD_pLA	243.111	35.425	-0.907	0.572	-0.894	0.556	-1.790	0.916	-0.010
MDAY_pLA	242.294	34.743	-3.028	1.024	0.735	0.962	-2.263	3.209	-0.041
ROSA_pLA	242.811	33.505	3.805	1.568	2.411	1.380	-14.851	6.112	0.003

1994 Northridge

0094_pNR	241.239	34.146	1.028	1.623	2.565	1.950	-0.380	1.887	-0.015
0141_pNR	241.593	34.465	-1.140	2.401	-3.296	2.537	17.792	9.827	0.065
0704_pNR	241.460	34.407	-3.336	1.191	-9.669	1.228	2.498	4.006	0.038
6022_pNR	241.298	34.033	1.872	1.321	3.822	1.647	0.167	1.489	0.023
BURB_pNR	241.669	34.148	-0.501	1.166	-0.148	1.567	-0.682	1.492	0.012
CAHA_pNR	241.674	34.137	-0.593	0.751	1.190	0.862	-0.477	1.383	0.020
CALA_pNR	241.354	34.140	0.148	0.513	3.998	0.499	-1.065	1.491	0.002
CATO_pNR	241.214	34.086	0.697	0.667	2.115	0.678	-0.983	1.372	0.016
CHRN_pNR	241.330	34.279	1.259	3.016	2.112	3.280	-2.131	3.210	0.009
DAM1_pNR	241.603	34.334	7.623	4.010	-0.621	1.687	3.502	5.303	-0.005
DELO_pNR	241.489	34.258	1.114	1.842	-0.767	2.063	3.476	4.550	0.040
GLEN_pNR	241.717	34.161	0.138	0.939	1.584	1.072	-0.657	1.089	-0.016
HAP2_pNR	241.123	34.328	-2.520	0.533	1.423	0.546	-0.789	0.844	0.000
HAPY_pNR	241.150	34.358	-2.165	0.628	0.770	0.643	-0.455	0.875	0.014
LNCH_pNR	241.490	34.301	9.530	0.745	-1.917	0.779	10.988	4.001	0.030
LOVE_pNR	241.331	34.496	1.306	0.800	-3.053	0.714	-1.872	2.478	-0.012
MAND_pNR	241.502	34.091	-1.060	1.589	1.550	1.827	-1.028	2.013	0.004
MCDS_pNR	241.457	34.202	-4.088	1.666	0.132	1.798	-0.524	3.449	0.060
MLND_pNR	241.523	34.126	0.175	2.279	-0.905	3.225	-0.813	2.393	-0.002
MULH_pNR	241.440	34.130	1.027	0.759	1.954	0.735	-0.087	2.022	0.001
NIKE_pNR	241.487	34.129	0.431	0.882	1.354	0.911	-1.766	2.437	-0.005

NORT_pNR	241.445	34.233	-2.009	1.217	1.418	1.340	2.854	3.413	0.038
N_49_pNR	241.466	34.034	0.807	1.639	2.438	2.432	-0.411	1.694	0.017
OATT_pNR	241.399	34.330	-0.605	0.991	3.387	0.948	0.543	2.116	0.026
OXCO_pNR	241.438	34.179	-1.188	1.743	4.046	1.764	-2.687	3.055	0.040
PACO_pNR	241.592	34.264	2.407	0.642	-0.564	0.678	-0.877	2.066	-0.040
PICO_pNR	241.399	34.331	-3.484	0.846	0.062	0.961	1.991	1.945	0.000
RESE_pNR	241.512	34.292	1.041	1.179	-2.434	1.243	7.473	3.337	0.028
SAFE_pNR	241.399	34.330	-5.361	0.774	-0.584	1.101	1.054	1.969	-0.006
SATI_pNR	241.574	34.209	1.300	2.392	1.343	2.678	-4.381	2.862	0.024
TUNA_pNR	241.404	34.063	0.173	0.765	1.429	0.852	0.101	1.696	0.035
U145_pNR	241.307	34.406	-2.810	2.449	0.322	1.780	1.365	1.875	-0.001
UCLA_pNR	241.559	34.069	-1.986	0.559	3.870	0.569	1.521	1.266	-0.002
VDGO_pNR	241.720	34.215	-0.407	0.867	1.419	1.182	-0.843	0.998	0.006
WIRO_pNR	241.486	34.060	1.263	1.828	2.232	2.807	-0.308	1.773	0.000
Y609_pNR	241.248	34.272	4.519	1.706	2.891	2.083	-1.190	2.070	0.033
Z370_pNR	241.348	34.544	-1.761	3.629	0.564	3.219	4.587	4.065	0.015
Z786_pNR	241.627	34.222	-0.656	1.265	-1.255	1.536	-1.393	2.060	0.027
			1999 Hector Mine						
AZRY_pHT	243.370	33.540	0.315	0.539	1.208	0.577	1.095	0.661	0.002
AZU1_pHT	242.104	34.126	-0.287	0.324	0.207	0.264	-0.023	0.277	-0.001
BBRY_pHT	243.116	34.264	-0.226	0.518	1.069	0.540	0.464	0.724	0.002
BILL_pHT	242.935	33.578	0.386	0.456	1.003	0.495	0.116	0.526	0.001
BLYT_pHT	245.285	33.610	-0.190	0.395	-0.618	0.317	-0.122	0.337	0.000
BMRY_pHT	243.015	33.963	-0.120	0.539	0.911	0.562	1.149	0.652	0.002
BSRY_pHT	242.988	34.919	-2.387	0.580	0.539	0.574	0.061	0.763	0.002
CHMS_pHT	242.172	34.640	-0.947	0.613	0.305	0.520	-0.149	0.587	0.002
CJMS_pHT	242.521	34.314	-0.281	0.755	0.398	0.580	-0.258	0.594	0.001
CLAR_pHT	242.291	34.110	-0.424	0.321	0.581	0.321	-0.153	0.273	0.000
CRFP_pHT	242.900	34.039	0.317	0.457	1.469	0.491	-0.407	0.532	0.002
CTMS_pHT	243.630	34.124	1.401	0.591	3.382	0.593	1.419	0.782	0.001
CVHS_pHT	242.098	34.082	-0.179	0.267	0.264	0.267	-0.142	0.194	0.000
DHLG_pHT	244.212	33.390	0.299	0.321	0.338	0.320	0.078	0.273	0.000
DSSC_pHT	243.288	33.733	0.413	0.569	1.760	0.580	0.931	0.748	-0.006
DVPB_pHT	242.140	34.413	-0.672	0.467	0.152	0.391	-0.081	0.429	0.002
ESRW_pHT	242.933	33.682	0.293	0.622	-0.167	0.699	0.265	0.786	0.000
EWPP_pHT	242.474	34.104	-0.286	0.338	0.528	0.392	-0.103	0.283	0.001
GHRP_pHT	242.602	34.204	-1.277	0.440	0.467	0.441	-0.503	0.440	0.002
HNPS_pHT	244.365	33.705	0.699	0.493	-0.425	0.391	0.035	0.434	0.000
HOLC_pHT	242.155	34.458	-0.453	0.445	0.069	0.365	0.157	0.416	0.001
IMPS_pHT	244.855	34.158	1.145	0.583	-0.806	0.551	-0.132	0.684	0.002
LLAS_pHT	242.162	34.586	-0.784	0.506	0.034	0.428	-0.360	0.480	0.001
LORS_pHT	242.246	34.133	-0.370	0.334	0.330	0.334	-0.197	0.279	0.001
LPHS_pHT	242.043	34.027	-0.426	0.268	0.400	0.268	-0.152	0.195	0.000
MATH_pHT	242.563	33.857	0.349	0.320	-0.230	0.424	-0.048	0.343	0.000
MLFP_pHT	242.682	33.918	0.178	0.380	0.807	0.472	0.047	0.418	0.001
MSOB_pHT	242.790	34.231	-0.653	0.462	0.347	0.506	-0.205	0.492	0.005
MVFD_pHT	243.475	33.211	-0.022	0.433	0.832	0.513	0.630	0.553	0.001
PIN1_pHT	243.542	33.612	0.529	0.468	1.646	0.484	0.425	0.636	0.001
PIN2_pHT	243.542	33.612	0.503	0.498	1.538	0.519	1.018	0.741	0.004
PMOB_pHT	243.140	33.357	0.383	0.473	0.748	0.517	0.420	0.564	0.000
PPBF_pHT	242.818	33.836	0.482	0.474	0.653	0.519	0.108	0.563	0.001
PSAP_pHT	243.506	33.819	0.714	0.582	1.822	0.593	2.920	0.732	0.002
ROCH_pHT	243.390	33.611	0.391	0.498	1.679	0.513	0.557	0.635	0.007
RTHS_pHT	242.647	34.089	-0.295	0.329	0.663	0.447	0.034	0.357	0.001
SCIA_pHT	242.612	34.607	-1.611	0.573	0.547	0.543	-0.689	0.676	0.001
SLMS_pHT	244.022	33.292	0.222	0.388	0.560	0.430	0.284	0.358	0.000
SNHS_pHT	242.071	33.927	-0.215	0.190	0.149	0.270	0.025	0.194	0.000
SPMS_pHT	242.151	33.993	-0.192	0.266	0.385	0.266	-0.035	0.193	0.000
TABL_pHT	242.322	34.382	-0.796	0.449	0.392	0.403	-0.413	0.455	-0.001
TRAK_pHT	242.197	33.618	0.183	0.187	0.423	0.321	0.129	0.273	0.000
WCHS_pHT	242.089	34.062	-0.205	0.269	0.307	0.269	-0.134	0.194	0.000
WIDC_pHT	243.608	33.935	0.963	0.570	3.407	0.576	3.298	0.805	0.002

WOMT_pHT	243.068	34.669	-2.946	0.639	0.943	0.635	-0.332	0.900	-0.005
0808_pHT	244.067	34.728	1.347	1.391	-5.563	1.041	0.734	2.222	0.074
6050_pHT	243.666	34.266	1.919	1.295	4.159	1.169	5.133	4.704	0.003
6056_pHT	243.353	34.370	-0.535	0.865	3.280	0.817	1.579	2.298	-0.002
7000_pHT	243.284	34.676	-4.236	0.676	2.770	0.668	-1.516	1.812	-0.004
7001_pHT	243.531	34.560	-1.029	0.654	6.493	0.643	4.972	1.424	-0.003
AGMT_pHT	243.571	34.594	-1.576	0.866	5.355	0.867	0.850	1.308	0.004
AMB1_pHT	244.258	34.559	2.464	0.977	-2.207	0.882	1.084	2.809	0.043
AMBO_pHT	244.258	34.559	2.262	1.241	-1.710	0.841	-2.205	2.367	0.085
BMHL_pHT	243.947	34.251	4.065	0.862	0.473	0.848	1.160	1.262	0.004
BMT1_pHT	243.728	34.587	6.361	1.410	-4.656	1.428	6.295	5.335	0.043
BMT2_pHT	243.727	34.557	6.016	1.534	-0.722	1.544	11.749	5.832	0.017
CHUK_pHT	243.756	34.571	2.425	1.206	-3.357	1.194	-1.502	4.044	0.009
ELK1_pHT	244.131	34.447	3.302	2.071	-4.247	2.027	-3.791	5.075	0.022
GAYS_pHT	243.621	34.555	1.081	1.190	5.457	1.204	1.579	4.355	0.013
GHAZ_pHT	243.674	34.513	0.610	1.155	1.397	1.167	3.115	7.351	0.013
HCMN_pHT	243.570	34.755	-4.428	0.853	-0.548	0.854	1.086	1.308	0.004
HECT_pHT	243.579	34.785	-4.044	0.642	0.374	0.624	1.369	1.560	0.000
LAE1_pHT	243.443	34.574	-3.101	0.587	2.541	0.589	-0.728	1.132	0.001
LAE2_pHT	243.478	34.589	-0.770	0.632	3.144	0.634	-2.479	1.537	-0.002
LAE3_pHT	243.513	34.618	-2.646	0.639	2.564	0.637	-2.813	1.483	-0.006
LAE4_pHT	243.671	34.734	-3.865	0.606	-3.332	0.601	1.005	1.165	0.005
LAW1_pHT	243.412	34.542	-3.685	0.574	2.932	0.575	1.391	1.032	0.001
LAW2_pHT	243.376	34.527	-2.263	0.761	2.798	0.715	-1.342	2.199	0.001
LAW3_pHT	243.331	34.502	-2.227	0.753	3.330	0.759	-1.384	2.205	0.015
LAW4_pHT	243.335	34.454	-2.602	0.710	3.386	0.746	-0.889	2.048	0.015
LAZY_pHT	243.486	34.344	0.373	0.645	4.482	0.633	3.639	1.671	-0.004
LDES_pHT	243.567	34.267	1.561	0.591	4.643	0.591	2.700	0.779	0.001
LDSW_pHT	243.791	34.699	-0.352	0.630	-6.077	0.631	2.349	0.887	0.004
MEEK_pHT	243.383	34.258	-0.781	0.657	-2.323	0.815	1.279	1.517	-0.008
MESQ_pHT	243.887	34.193	1.987	0.742	2.392	0.735	4.244	2.118	-0.015
NBPS_pHT	243.852	34.509	4.148	0.956	-2.478	0.957	-0.613	1.723	0.012
OLDD_pHT	243.302	34.391	-1.069	0.650	3.730	0.665	1.446	1.496	0.001
OLDW_pHT	243.248	34.389	-2.146	0.636	2.582	0.656	0.722	1.379	0.014
OPBL_pHT	244.082	34.370	4.645	0.883	-1.576	0.877	1.546	1.365	0.003
OPCL_pHT	243.695	34.428	3.462	0.794	5.620	0.796	2.313	1.188	0.003
OPCP_pHT	243.917	34.367	6.499	0.886	0.935	0.887	1.344	1.462	0.005
OPCX_pHT	243.851	34.430	4.195	0.654	0.374	0.654	1.858	0.831	0.002
OPRD_pHT	243.708	34.533	2.340	0.674	3.244	0.674	0.821	0.986	0.002
PAXU_pHT	243.610	34.153	2.003	0.849	4.848	0.821	-0.806	2.394	-0.004
PK02_pHT	243.777	34.891	-1.258	0.883	-3.047	0.891	2.729	2.223	0.002
PUET_pHT	243.832	34.314	2.440	2.061	2.488	2.167	-0.375	8.108	0.065
RDMT_pHT	243.375	34.644	-3.560	0.789	1.265	0.790	-0.459	1.100	0.002
RICU_pHT	243.531	34.264	0.519	0.760	2.361	0.765	1.611	1.824	0.010
SAND_pHT	243.721	34.255	1.280	0.579	3.807	0.568	2.709	1.267	-0.001
SCP1_pHT	243.994	34.267	4.369	2.299	-1.041	2.121	-5.281	4.318	0.029
SCP2_pHT	244.031	34.419	2.752	0.817	-1.893	0.812	-0.709	1.930	0.005
SCP4_pHT	243.814	34.348	2.491	0.894	3.275	0.885	5.360	2.384	0.010
SCP5_pHT	243.763	34.432	2.654	0.866	2.416	0.854	4.886	2.253	0.015
SCP6_pHT	243.655	34.407	0.509	1.124	5.562	1.143	5.973	4.015	0.005
SIBE_pHT	243.984	34.624	1.581	0.558	-3.349	0.558	1.350	0.803	0.000
TROY_pHT	243.469	34.839	-5.524	0.560	-0.118	0.559	0.532	0.849	-0.001
GMRC_pHT	244.340	34.784	0.295	0.559	-1.674	0.558	0.594	0.683	0.000