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NASA Space Geodesy Program—GSFC VLBI Data Analysis—1993

Geodetic Results 1979-92

C. Ma and J. W. Ryan
NASA Goddard Space Flight Center
Greenbelt, Maryland

D. S. Caprette
Hughes STX Corporation
Lanham, Maryland

National Aeronautics and
Space Administration

Goddard Space Flight Center
Greenbelt, Maryland 20771

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800 Elkridge Landing Road, Linthicum Heights, MD 21090-2934, (301) 621-0390.

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DATA ANALYSIS BY THE NASA SPACE GEODESY PROGRAM–GSFC

I. INTRODUCTION

This report documents results obtained by the NASA Space Geodesy Program (SGP) at the Goddard Space Flight Center (GSFC) from the analysis of the Mark III VLBI geodetic data available to the SGP covering the period from 1979 to 1992, inclusive. The results presented here are complete in that they include all available relevant VLBI data and supersede results given in previous reports. However, some of this report describes only the activities in 1992.

The results were obtained from two new least-squares adjustments designated GLB907 and GLB908, which are discussed in section III. Site positions are provided for 110 sites. Site velocities are estimated directly for 62 sites. One site, HRAS 085, is treated as a special case, discussed later. This printed version of the report includes complete baseline results only on those baselines for which new data were obtained in 1992. Complete results on all 424 baselines are available in machine-readable form.

II. DATA

A. Changes in Instrumentation

In recent years some data have been acquired using VLBA data acquisition racks (DAR) in addition to the Mark III data acquisition terminals (DAT) described in previous annual reports. The VLBA DAR formatters are capable of recording data in a format that is completely compatible with Mark III data recordings when processed normally at the Mark III correlators. The principal difference is that the standard VLBA DARs have eight base band converters (BBC) instead of the 12 video converters in a typical Mark III DAT. This difference necessitates alternative bandwidth synthesis schemes. For some observing sessions some of the VLBA BBCs are switched between two frequencies every ten to fifteen seconds so that the DAR in effect records data from more than eight frequencies. In other cases the frequency sequences themselves have been changed. Sometimes only eight frequencies (four at S-band and 4 at X-band compared to the usual Mark III configuration of six and eight, respectively) are recorded for an experiment. In other sessions, the usual six- and eight-frequency sequences were modified so that there were sensible 4-frequency subsets that were recorded at the VLBA sites and processed for baselines that included a VLBA antenna.

B. Data Sources

Data from fixed stations, mobile sites, and transportable antennas obtained in observing sessions sponsored by the now superseded Crustal Dynamics Project, SGP, National Geodetic Survey (NGS), the U.S. Naval Observatory (USNO), three German organizations--the Institute of Applied Geodesy (IfAG), the Geodetic Institute of the University of Bonn, and four Japanese institutions--the Geographical Survey Institute (GSI), the National Astronomical Observatory (NAO), the Communications Research Laboratory (CRL), and the National Space Development Agency (NASDA) are included in this report. The fixed and mobile data are combined in the analysis and presented together. The results presented here use the complete mobile data set for the period 1982-92.

C. Observing Programs

In 1992 the SGP made VLBI measurements in several geographic areas on different scales, as described below. In addition, the NGS with IfAG and other agencies coordinated the IRIS program, which observed for 24 hours at regular intervals to monitor Earth rotation. Similarly, the USNO NAVNET program also monitored Earth rotation with another network. Data were also acquired by CRL and GSI in Japan. There exist high-precision Mark III VLBI data that are not included here. These include SGP source surveys and astrometry sessions, IRIS daily 1-hour UT1 sessions, and some observations sponsored by the Deep Space Network, the U.S. Naval Observatory and the Naval Research Laboratory for astrometry and Earth rotation.

The purposes of the various observing programs undertaken or continued in 1992 include:

Europe mobile, mobile observing sessions carried out by the NGS for various European agencies at BREST, CARNUSTY, GRASSE, HOHENFRG, METSOHVI, TROMSONO and TRYSILNO.

Global, SGP sessions designed to measure a network spanning the Earth.

Japan CRL, sessions sponsored by the CRL to determine local ties or measure plate motion between Japan and Minami-tori Shima (Marcus Island).

Japan GSI, sessions sponsored by the GSI using fixed stations and a transportable 5-m antenna to provide fiducial points and to measure regional deformation in and around Japan.

Intra-Europe, sessions sponsored by various agencies using fixed stations to measure networks within Europe.

IRIS-A, NGS-sponsored weekly sessions designed to monitor Earth rotation. The primary stations in 1992 were WESTFORD, WETTZELL, MOJAVE12, RICHMOND, and GILCREEK. MOJAVE12 and RICHMOND ceased operations after August because of funding and weather difficulties, respectively, while GILCREEK was phased into the network beginning in June. ONSALA60, MATERA, and ALGOPARK also participated approximately monthly.

IRIS-A EUR (European), sessions scheduled by adding a mobile system at a European site during a regularly scheduled IRIS-A session.

IRIS-P (Pacific), observing sessions sponsored by the Japanese NAO Earth Rotation Division using KASHIMA, KASHIM34, NOBEY 6M and stations in the U.S. and Australia.

IRIS-S (South Africa), observing sessions carried out by IfAG using HARTRAO and/or SANTIA12 and some IRIS-A stations in Europe and the U.S.

North America Plate, SGP transcontinental sessions designed to measure the internal stability of the North American Plate.

NAVEX, USNO NAVNET sessions with the addition of a European station to the network to improve the determination of UT1.

NAVNET, USNO operational sessions designed to obtain precise measurement of Earth orientation and nutation parameters using only U.S. stations.

Pacific, SGP sessions designed to measure networks in the Pacific Basin.

Polar, SGP sessions involving stations in Europe, the conterminous U.S., Alaska, and Japan. These sessions link the global VLBI reference frame by using stations that typically do not observe together in the same network.

Quake, Special sessions scheduled to detect and measure possible coseismic motion due to the Landers earthquake of June, 1992.

Research and Development, SGP sessions designed to test innovations in hardware and scheduling techniques.

South Hemisphere Survey, sessions sponsored by the NGS using fixed stations in the Southern Hemisphere.

Transasia, SGP sessions using fixed stations in Europe, Africa, Australia, and Asia.

Trans-U.S., SGP sessions using fixed stations on the east and west coast of the U.S.

VLBA TAU, session using only VLBA antennas.

Western Canada, sessions using mobile systems in western Canada and sometimes MV-1 at Yellowknife to establish a grid of fiducial points and measure the internal stability of the North American Plate.

In Table 2.1 of this report each observing session name is followed by a program name, often preceded by the name of the sponsoring agency.

D. Phase Delay Observations

Phase delay observations were attempted in a total of fifteen sessions. However, in the analysis presented in this report phase delay data were only used in five sessions, $84JAN07X, $84JAN14XP, $91MAY16X, $91MAY30X, and $91JUN04X. The intrinsic precision of the phase delay is considerably better than that of the group delay, but the small size of the phase delay ambiguity limits its geodetic applications to short baselines or special schedules.

III. DATA ANALYSIS METHODS

A. Processing and Data Handling

Most of the SGP data discussed here were correlated by the Haystack Mark III correlator. Most IRIS and some SGP data were processed at the Washington correlator at the USNO. Some IRIS data were correlated at the Max Planck Institute for Radio Astronomy in Bonn (FRG) while some Japanese and Chinese data were correlated at Kashima using the Japanese K-3 correlator. For the purposes of this report the output of the four Mark III-compatible correlators can be considered indistinguishable. The output of these correlators was sent to either the analysis center at the Goddard Space Flight Center or similar centers at the NGS in Silver Spring, MD, and the USNO in Washington, DC where the data were organized by session and frequency band into Mark III databases. The GSFC analysis was done using the same models and calibrations as in the previous year (Ryan et al, 1993) with the exception of the new modeling described below. The GLOBL analysis system was also essentially the same as in previous years. See the appendix of Ma *et al.* (1990) for a rigorous discussion of this process. The final database files are available to investigators from the Crustal Dynamics Data Information System.

B. New Models

Two new models were incorporated into the GLOBL solution process for the analysis in this report.
The troposphere model incorporates atmospheric pressure loading and high frequency ocean tidal EOP variations
were also modeled. These new models are described in greater detail in the section below.

C. Solution GLB907

The purpose of solution GLB907 was to define a terrestrial reference frame (TRF) and a celestial reference frame (CRF) using all the relevant VLBI data through the end of 1992. The VLBI TRF was defined by: 1) assuming an a priori position of WESTFORD at 1988.0 to align the VLBI TRF origin closely with ITRF91 (Boucher et al., 1992), 2) assuming that WESTFORD moved according the NUVEL-1 NNR model (Argus and Gordon, 1991), 3) assuming that the orientation of the WESTFORD-RICHMOND baseline evolved according the NUVEL-1 NNR model, and 4) assuming that the vertical rate of KAUAI was zero. The three stations were chosen because of their data strength, relative geometry, relation to the underlying plate, and apparent absence of local deformations. The constraints attached the VLBI TRF to the TRF of the NUVEL-1 NNR model in a straightforward way at the cost of discontinuities in the solution covariance at the defining stations. The geographic pole of the VLBI TRF was defined by the a priori values of x-pole and y-pole during the reference day November 22, 1985. The celestial pole of the VLBI CRF was defined by the standard precession/nutation model during the same reference day. The relationship between the origin of longitude and the origin of right ascension was defined by the a priori values of UT1 and the standard sidereal time model during the reference day and by the a priori right ascension of the reference source 0420-021.

The global parameters in solution GLB907 included the station positions and velocities and the source positions. Suitable constraints were applied to the normal matrix to remove the TRF degeneracies as described above. Seven stations (YAKATAGA, SOURDOGH, WHTHORSE, FORTORDS, PRESIDIO, MOJAVE12, and DSS15) were allowed to move once discontinuously to account for coseismic motions, and both pre- and post-quake positions were estimated. The velocities of ten sites (FORTORDS, HALEAKAL, KASHIM34, MOJ 7288, MV2ONSLA, NRAO85 1, OVR 7853, OV-VLBA, SHANGHAI, YLOW7296) were set equal to those of nearby stations (FORT ORD, KAUAI, KASHIMA, MOJAVE12, ONSALA60, NRAO 140, OVRO 130, SESHAN25, YELLOWKN) to strengthen the velocity determination or to propagate the positions more accurately. For YELLOWKN and YLOW7296 the local survey was assumed to allow both sites to be used to estimate one velocity. For the 39 sites with insufficient data or local connections, a constraint of zero vertical rate and 3mm/yr east and north velocity uncertainty was applied to propagate the position errors away from the observation epoch(s). In these cases, the sites moved according to the NUVEL-1 NNR model.

For each observing session the Earth orientation parameters (EOP) x-pole, y-pole, UT1 and UT1 rate were estimated as arc parameters and tabulated at the middle of the session. Other arc parameters included offsets in the nutation angles ψ and ϵ from the standard precession/nutation models, and parameters modeling the site clocks and wet zenith delays as piecewise linear, continuous functions.

The dry zenith delay was calibrated using the MTT dry mapping function (Herring, 1992) and the Saastamoinen dry zenith delay computation (Saastamoinen, 1972) from logged pressure and temperature. Data below 7 degrees were excluded because baseline evolution scatter is compromised by the inclusion of lower elevation data (MacMillan and Ma, in press). Atmosphere pressure loading was modeled using logged pressures with a combination of empirical and modeled coefficients. High frequency ocean tidal EOP variations was modeled using coefficients derived from VLBI data.

The GLB907 solution was formed in two parts. First the 1763 sessions with large networks and strong data were included to form a preliminary TRF solution and EOP time series. The unevenly spaced EOP series was Kalman filtered (Morabito *et al.*, 1988) to produce a one-day file with EOP values, errors, and correlations. The preliminary TRF solution was then incremented with the remaining 141 sessions, largely mobile data with small networks or weak geometry, including the EOP information for each day from the one-day filtered file. A back solution was performed to produce the final solution statistics and EOP series.

D. Solution GLB908

The purpose of solution GLB908 was to provide detailed information on the evolution of all the observed baselines. Only the source positions were treated as global parameters. In addition to the arc parameters adjusted in GLB907, the positions of all the included sites except the reference site (chosen sequentially from an arbitrary list) were adjusted for each session. The EOP values and covariances from GLB907 were applied to provide the best information for the site positions and baseline transverse and horizontal components. The a priori application of EOP covariances with the simultaneous adjustment of EOP and site positions as arc parameters propagated the uncertainties of the EOP series properly into the site and baseline component errors.

IV. DATA ANALYSIS RESULTS

A. Solution GLB907

The GLB907 solution included 1013906 group delays in 1904 observing sessions. There were 1258 global parameters (source positions, site positions, and site velocities) and 378240 arc parameters. There were 769956.8 degrees of freedom. The weighted rms fit was 39.7 ps and the reduced χ^2 was 0.969. The source positions, and station positions and velocities, and Earth orientation results presented in Sections 3, 4, 5, and 8 were generated in GLB907.

B. Solution GLB908

The GLB908 solution also included 1013906 group delays in 1904 observing sessions. There were 397 global parameters (source positions) and 395223 arc parameters. There were 760640.2 degrees of freedom. The weighted rms fit was 39.0 ps and the reduced χ^2 was 0.948. The baseline component results presented in Section 6 and 7 were generated in GLB908.

C. Results

1. Station Coordinates and Velocities

Table 4.1 contains the position of each fixed station and mobile site in geocentric Cartesian coordinates in the VLBI TRF at the station reference epoch, January 1, 1988. These include all stations and sites with high quality Mark III VLBI data available to the SGP from the period 1979-1992, inclusive. The adjusted site velocities are also included with the position/velocity correlation matrix in lower triangular form. Table 4.2 includes velocities and their respective 1-σ error ellipses in topocentric coordinates for the same sites. For each site in Table 4.2 the corresponding deviation from NUVEL-1 NNR velocities is included for comparison. These same results are available in machine-readable form with the full station position and velocity correlation matrix corresponding to Table 4.1. Sites whose velocities were assumed from NUVEL-1 NNR can be identified in these tables by the letters 'con' appearing in the lower left hand corner of their entries in Table 4.1. Because of its anomalous behavior, the position of HRAS 085 at two-month intervals has been tabulated separately in Table 5.2. Site positions and uncertainties at January 1 of each year from 1979-95, also generated from solution GLB907, are found in Table 5.1 of this report. Site positions and their associated uncertainties were propagated using the reference epoch positions, the velocities (either adjusted or NUVEL-1 NNR), and the relevant covariances. The horizontal position uncertainties change with time for sites whose velocities were not adjusted, and these uncertainties are propagated into the errors of the Cartesian coordinates. The vertical uncertainties of these sites do not change, however.

All mobile results are referred to ground monuments using the eccentricity data obtained during each observing session. The results for MV-1 at Vandenberg and Yellowknife are also referred to a ground monument. The fixed antenna results are referred to a position in the antenna structure. For an antenna with intersecting axes, the VLBI reference point is at the intersection of axes. For an offset axis antenna, the VLBI reference point is at the point of intersection of the fixed axis with the plane perpendicular to the fixed axis containing the moving axis. The SGP monument number of each mobile ground monument and fixed-station antenna reference point is shown in Table 1.2.

Sites at which discontinuous motions have been suspected (WHTHORSE) or observed (YAKATAGA and SOURDOGH in Alaska and FORTORDS, PRESIDIO, MOJAVE12 and DSS15 in California) have been modeled with linear velocities and a single discontinuous movement. Both pre- and post-quake positions are given.

The histograms of 1-σ standard statistical errors in topocentric positions and velocities are given in Figures 1 and 2, respectively, separated for fixed stations and mobile sites. These histograms show that the east components are the best determined. The east component has smaller errors than the north component due to the geometry of the observing networks. The up components are the most poorly determined because of the strong correlation between the up and atmosphere parameters. The mobile site components are generally not as well determined as the fixed station components, particularly in the up direction because of the inability of the mobile systems to observe at low elevations. It should be noted that the position errors in the histograms are at the station reference epoch, January 1, 1988. For a station with adjusted velocity, the errors are influenced by the strength of the velocity determination and the time between the reference epoch and the mean observation epoch for the station. For a station with velocity fixed at the *a priori* NUVEL-1 NNR value, the error is propagated from the mean epoch of observations using horizontal velocity uncertainties of 3 mm/yr in east and north. Such stations generally have single occupations that span several days.

Included in this report are maps of the observed motions of VLBI fixed stations and mobile sites. The horizontal velocity vectors as determined by VLBI in solution GLB907 are shown with their respective 3-σ error ellipses. The NUVEL-1 NNR plate motion model was used to determine *a priori* velocity vectors for each site. These vectors, shown without error ellipses, are included on the map at each site and station for comparison. The plate that was assumed for each site and station is shown in Table 1.2. The names of stations which did not observe in 1992 are shown in lower case.

Figure 3 is a map of the fixed stations used for IRIS-A, IRIS-S, and Atlantic sessions and some stations in western North America. The close agreement between the *a priori* and adjusted vectors for stations in eastern North America is a consequence of the choice of stations (WESTFORD and RICHMOND) used to establish the VLBI TRF and the absence of significant deformation.

Figures 4 and 5 are similar maps of fixed station and selected mobile site velocities in and around the Pacific, and in western North America respectively.

The machine-readable report also contains the geocentric, Cartesian coordinates of each fixed station and mobile site for each session from solution GLB908 arranged alphabetically and tabulated chronologically. It should be noted that the position for a given epoch is in the coordinate system defined by the (arbitrary) reference station for that observing session and that different sessions having unrelated observing networks will have different reference stations. The positions of the reference stations do not change with time. Estimated station coordinates and correlations between station coordinates for each observing session are also available, tabulated chronologically in the machine-readable report.

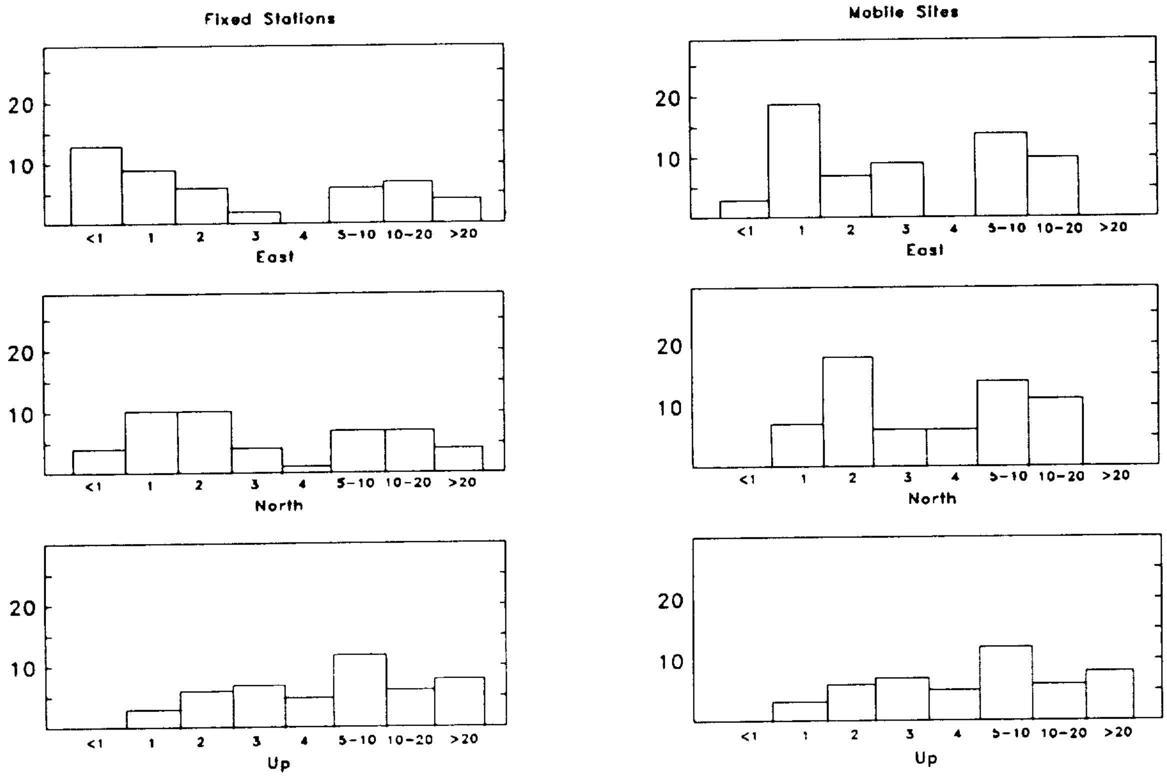

Figure 1. One-σ standard statistical errors (mm) in position at January 1, 1988 from GLB907.

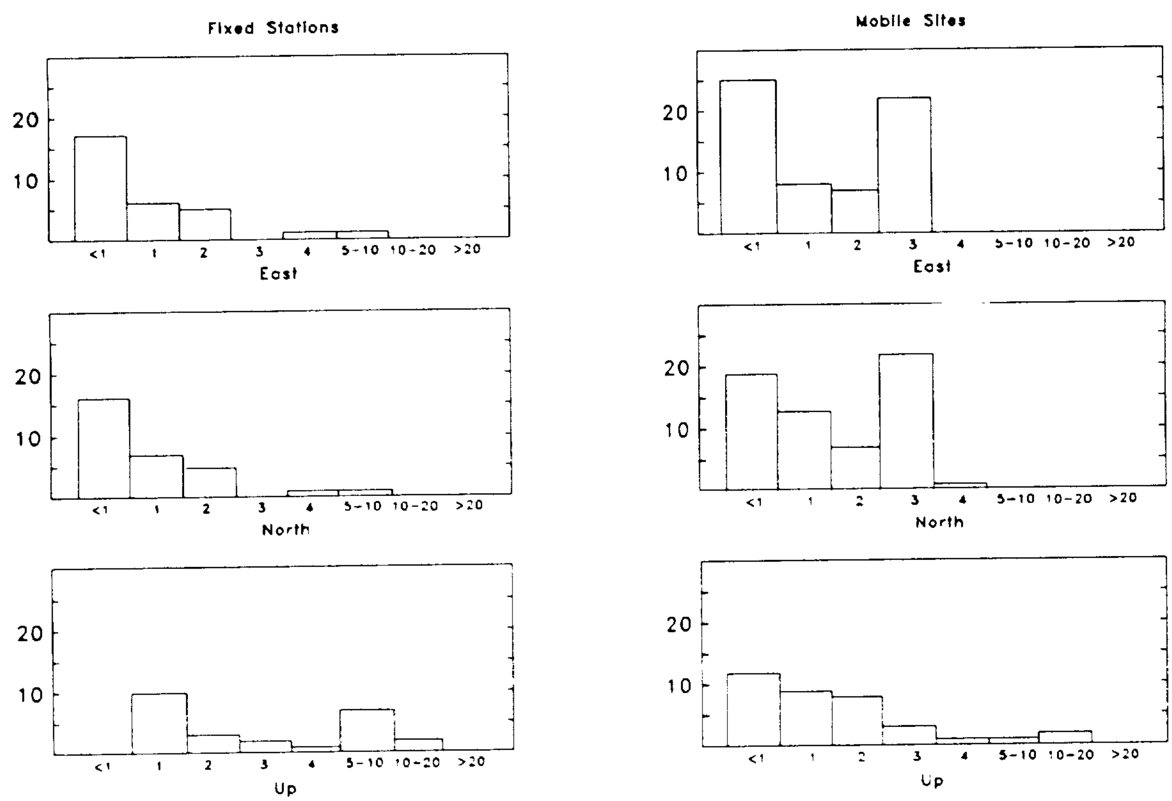

Figure 2. One-σ standard statistical errors in velocity (mm/yr) from GLB907.

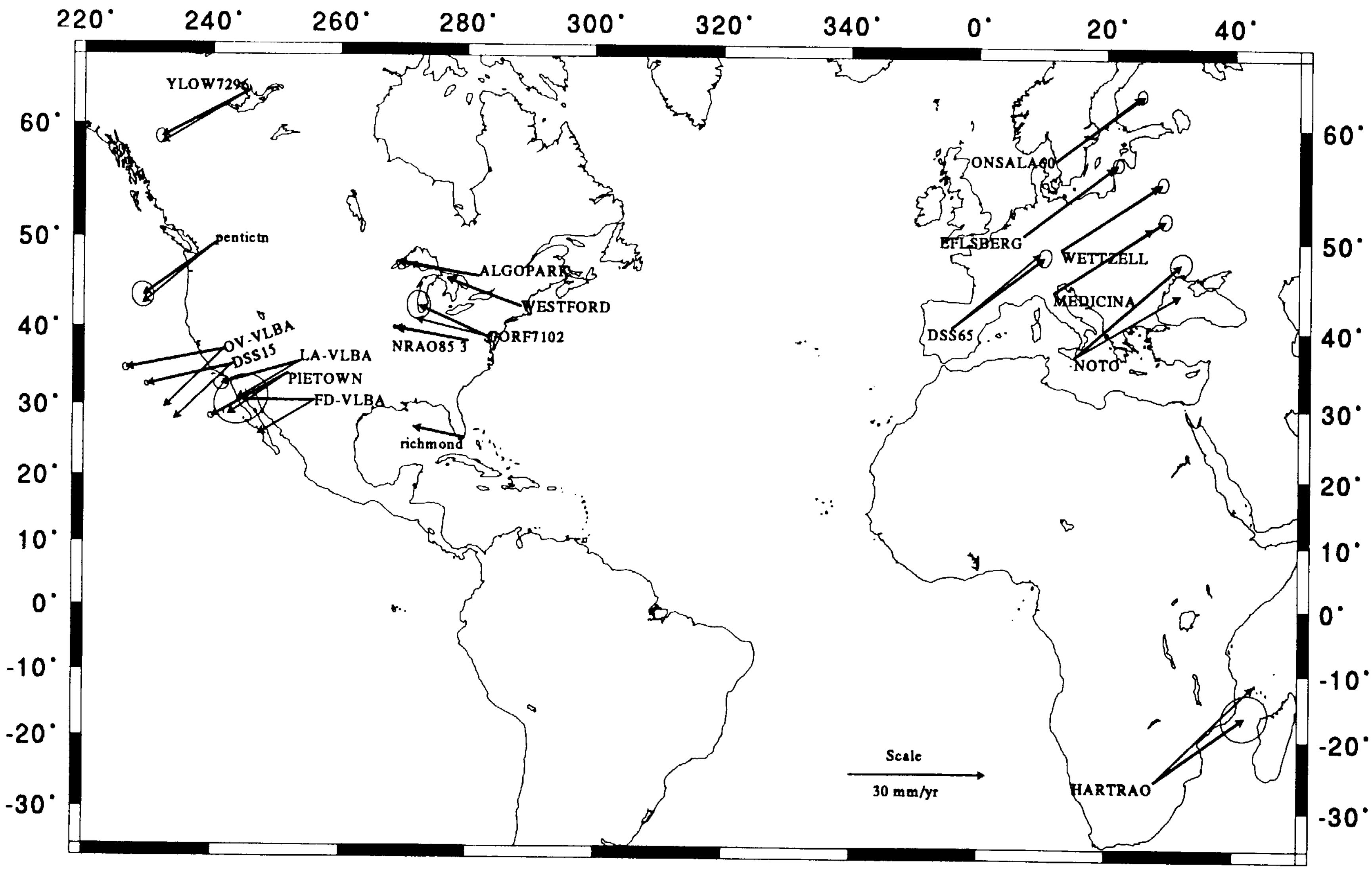

Figure 3. Transatlantic site velocities (3-sigma error ellipses) from GLB 907.

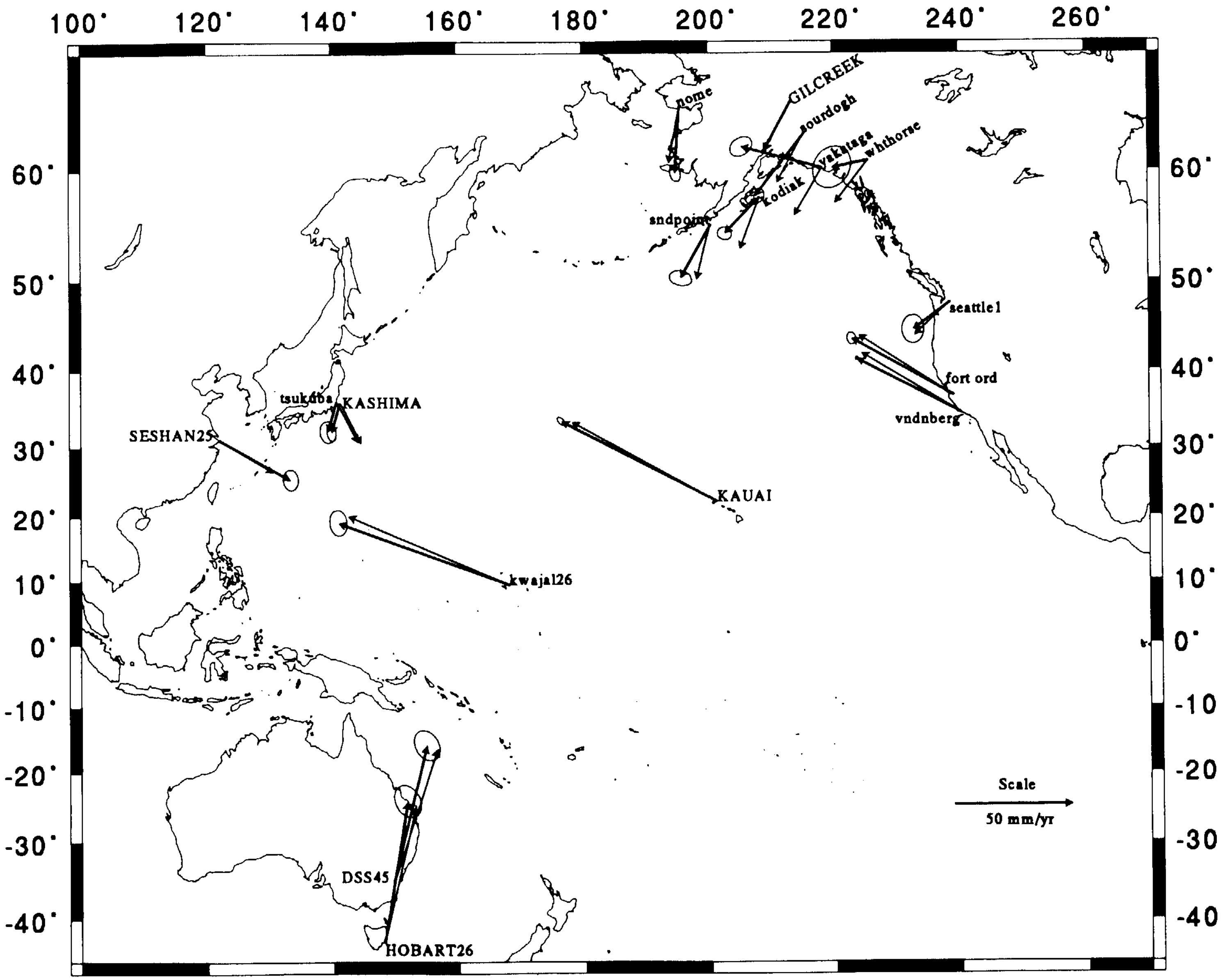

Figure 4. Pacific site velocities (3-sigma error ellipses) from GLB 907.

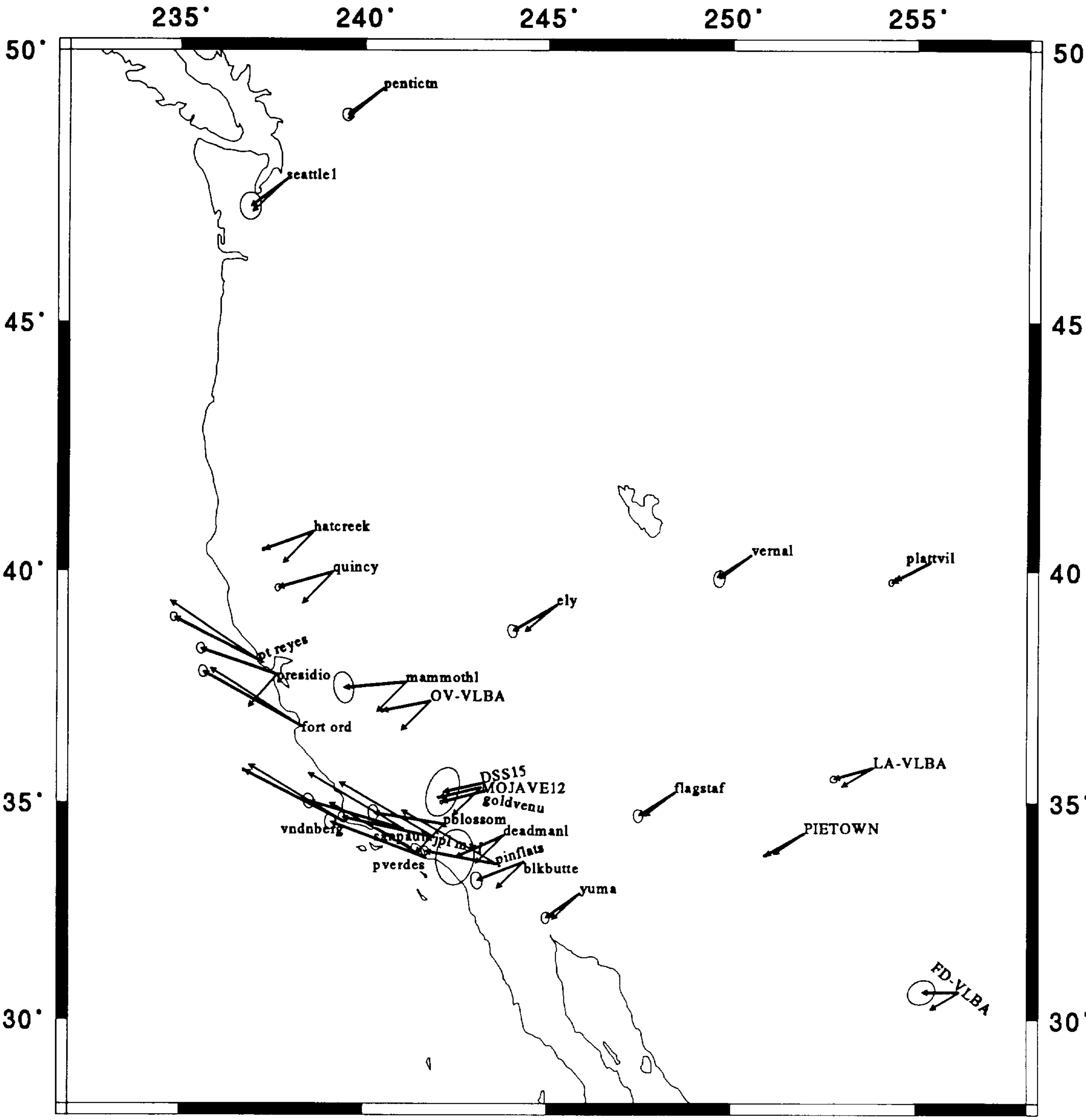

Figure 5. Western North America site velocities (3-sigma error ellipses) from GLB 907.

2. Baseline Evolution

The evolution of each baseline is presented in three orthogonal components: length, transverse, and vertical, illustrated below in figure 6. The baseline length is the chord distance between the reference points at the two ends. The reference point for a fixed station is within the antenna structure. The reference point at a mobile site, at VNDNBERG, and at YLOW7296 is a ground survey monument near the mobile antenna.

The transverse direction for a given baseline is defined by the cross product of the *a priori* baseline vector from station 1 to station 2 with the *a priori* geocentric vector to station 2. The transverse component is the adjustment from the *a priori* baseline vector in the direction perpendicular to the baseline vector and directed toward the horizon at either site, and is defined such that a clockwise rotation seen from above is positive in sign.

The vertical direction is perpendicular to the length and transverse directions and is radially inward at the center of the baseline. For short baselines the baseline vertical direction is close to the topocentric vertical direction at either site. The vertical component is the adjustment from the *a priori* baseline vector in the baseline vertical direction. A positive change in the vertical component indicates an upward displacement of station 1 with respect to station 2. Note that a change in baseline length will also cause a change in the baseline vertical component, especially for longer baselines. The vertical component is the most poorly determined from VLBI data.

The transverse component is strongly dependent on a precise, consistent orientation of the terrestrial reference frame as defined in an EOP series. For the GLB908 solution the EOP series derived from solution GLB907 was applied. The baseline evolution plots for WESTFORD to GILCREEK, HRAS 085, and RICHMOND clearly show transverse rates that are larger than 25 times their respective errors. This is because the sites shared the motion of the North American Plate in the *a priori* model of the solution that produced the EOP series. Had the EOP series been generated in solution with no *a priori* North American plate motion these baselines would have shown little or no transverse motion. The uncertainties and correlations of the EOP values from GLB907 were propagated by GLOBL into the errors of the baseline components. The largest effect is on the transverse error. The vertical error, being dominated by other effects, is weakly affected and the length error is independent of orientation.

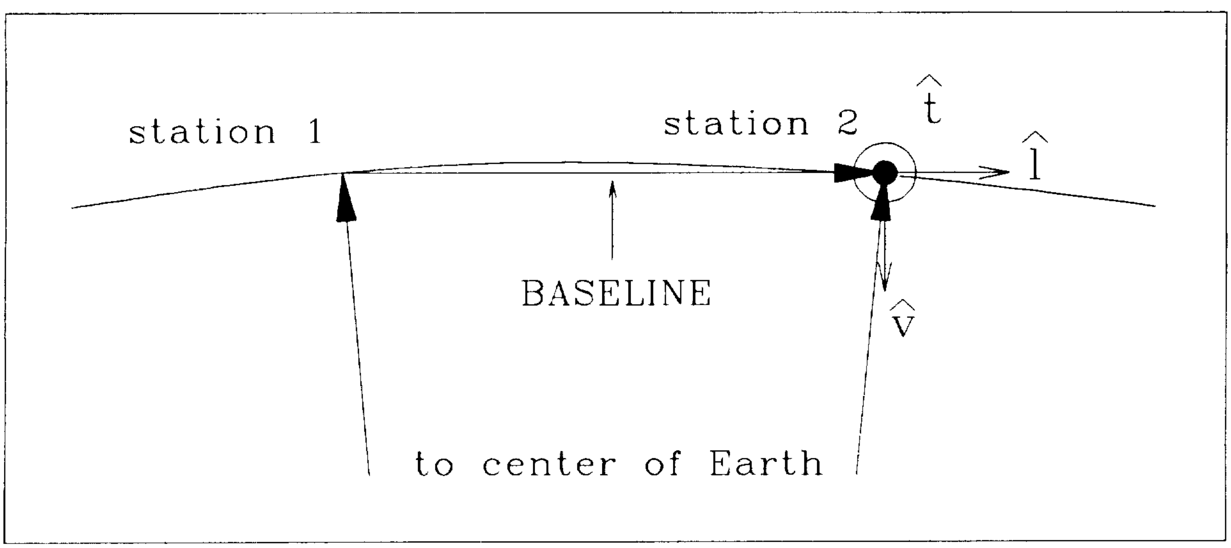

Figure 6. Baseline component axes. The figure is in the plane containing both the stations and the center of the Earth. Unit vectors $\hat{l}$, $\hat{t}$, and $\hat{v}$, for the length, transverse, and vertical components, respectively are shown at station 2. The unit vector in the transverse direction is directed outward from the page.

Summaries of the relevant statistics of the baseline components and their rates of change as determined from the results of solution GLB908 appear in Tables 6.1 through 6.4 in this report. These tables include the weighted mean baseline length values, the weighted rms scatter about the mean length values, and, where a useful value could be computed, the mean rate of change of baseline length for all baselines over the span of the entire available data. The rate of change is not presented if there were fewer than five observing sessions or if the sessions did not span at least two years. The baseline length at January 1, 1988 is also tabulated for those baselines for which rates were determined. The least-squares mean and rate estimates were based on the 1-σ standard statistical errors of the individual baseline length values. The stated error for each mean and rate value was computed by scaling the 1-σ standard statistical error from the least-squares estimate by the square root of the reduced χ^2 of the fit. The weighted rms fit of the data about the best-fit line is also given where relevant. Similar information is given for the transverse and vertical components, except that the mean and reference epoch values, being from an arbitrary origin, are omitted.

Section 7 (Figures 7-2 through 7-89 and Tables 7.90-7.221) present the time evolution of those baselines on which new data were obtained in 1992. The baseline results are presented in print in several forms: summaries of baseline rates and consistency, plots of the three baseline components as functions of time with the line of best fit and a dashed line showing the motion predicted by NUVEL-1 NNR, and tables of values for baselines with an insufficient number of measurements for useful plotting. The machine-readable report contains all the baseline results including those with no new data acquired in 1992 arranged first alphabetically, then chronologically.

3. Earth Orientation Parameters

Earth orientation results from solution GLB907 are presented graphically in print and are tabulated with their correlations in the machine-readable version. Because VLBI cannot measure absolute Earth orientation, a reference day, November 22, 1985, was selected to fix the geographic pole and UT1 angle. The reference day x-pole, y-pole, and UT1 values were linearly interpolated from the USNO concrete series, which is a daily series.

The results from single-baseline sessions (POLARIS and scattered others) are insensitive to Earth rotations around the baseline direction and therefore measure only two components of Earth rotation. These two components are linear combinations of UT1 and polar motion. To handle these sessions in a mathematically rigorous fashion, UT1 and both components of polar motion are estimated using weak constraints. The resulting EOP values, uncertainties, and correlations correctly represent the Earth rotation information content of the sessions. It is critical that users of the Earth rotation data from the single-baseline sessions account for not only the values and their uncertainties but also for the correlations.

The tabular values are the unmodified results from the GLB907 solution. In particular, no smoothing has been applied, and no corrections have been made to remove known tidal variations from the UT1 values. For comparison with IERS Bulletin B values or other smoothed series, the tidal terms should be removed from the UT1 values.

The nutation offsets from the IAU 1980 nutation series, estimated in solution GLB907 for each session, are tabulated in the machine-readable version and are plotted in the printed report. These offsets are with respect to the celestial pole of the reference day November 22, 1985, which is defined by the conventional precession and nutation models.

D. Uncertainty of Estimated Parameters

The uncertainty for all estimated parameters are 1-σ standard statistical errors computed from the covariance matrix of the relevant solution. The weight applied to each observation includes three terms: SNR measurement error, ionosphere calibration error from the SNR of X- and S-band observations, and normalizing white noise root-sum-square added for each session. The last term is computed for each session such that the reduced χ^2 of the fit from a standard single-session solution is reduced to near unity. In the standard solution, site positions are estimated using a good *a priori* source catalog without adjustment and the continuous, piecewise-linear clock and atmosphere parametrization discussed above. It is evident from the χ^2s of baseline components that the 1-σ standard statistical errors of the EOP are underestimates of the real errors.

V. DIFFERENCES WITH PAST RESULTS

The origin of the terrestrial reference frame defined in GLB907 was closely aligned (within 4 mm) with the origin of ITRF91, closer than was the origin defined in GLB867. Some data which previously resulted in the estimation of an anomolously large up velocity at Matera were not included in GLB907. The only other stations with large differences in their estimated positions and velocities are those with sparse data prior to 1992.

A least-squares adjustment was used to determine the seven-parameter transformation that minimizes the differences between the positions of those stations common to both GLB907 and the ITRF92. The seven parameters determined are a translation, three rotations about the origin, and a scale change whose values are presented below:

Transformation from GLB907 to ITRF92	Translation (mm)	Rotation (10^{-9} radians)
X	-10.7 ± 2.3	5.78 ± 0.47
Y	-15.8 ± 2.3	-2.18 ± 0.44
Z	7.6 ± 2.1	-1.68 ± 0.26

Scale change = -0.11 ± 0.26 ppb

Applying this transformation to the GLB907 1988.0 positions moves them to the ITRF92.

VI AVAILABILITY

Much of the material is presented graphically here in the printed version to give the user greater insight into data quality and geodynamic implications. However, all the underlying results are available in the machine-readable version of this report, described below.

The site velocities are tabulated with reference positions at January 1, 1988 in geocentric Cartesian coordinates. The correlation matrix for these positions and velocities is included so that the site positions and uncertainties can be extrapolated to other epochs. Additionally, annual site positions and uncertainties for 1979-95 derived from these velocities are tabulated for ease of interpolation. Velocities for these same sites are also tabulated in topocentric coordinates; horizontal rates, azimuths and 1-σ standard statistical error ellipsoid parameters are included. The velocities are also given in the no-net-rotation NUVEL-1 NNR tectonic plate motion model.

Each tabular section of this report is introduced by a page that describes the section contents in detail. The information on these introductory pages is collected in the file CONTENTS.92 in the machine-readable version.

The eccentricity data were compiled by the NGS for the SGP and are available in the machine-readable version of this report in a file named ECCDAT.

These results are available from the Crustal Dynamics Data Information System (CDDIS) of the NASA Space Science Data Center (NSSDC) in printed form, on computer tape, on 3.5" IBM-PC diskettes, or by anonymous ftp from the CDDIS at the internet address cddis.gsfc.nasa.gov. Future reports will be continued by the NASA Space Geodesy Program--GSFC supporting the activities of the NASA Dynamics of the Solid Earth program.

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1.0 Stations and Sites

Table 1.1 describes the radio telescopes located at fixed stations. Each antenna has a unique name used throughout this report consisting of at most eight upper case characters. The entries give the antenna diameter, location and operating institution. Table 1.2 has the latitude and longitude for each VLBI mobile site and fixed station, as well as the associated monument number. Each mobile site has a unique name of the same form as the station names. The monument number is followed by a single character. A 'G' indicates a ground monument while an 'A' indicates that the monument number refers to a point in the antenna (usually the intersection of axes). This is followed by a four-letter code showing on which tectonic plate the site was assumed to be for the solutions. The selection of tectonic plate was somewhat arbitrary in some cases but does not affect the total velocity. The codes are:

AFRC -- African	NOAM -- North American
AUST -- Australian	PCFC -- Pacific
EURA -- Eurasian	SOAM -- South American

A nearby geographical location is given for each site for quick reference.

Table 1.1
VLBI OBSERVING STATIONS

ALGOPARK, 46-m-diameter antenna at the Algonquin Radio Observatory near Lake Traverse, Ontario, Canada.

CHLBOLTN, 26-m-diameter antenna located in Chilbolton, England and operated by the Appleton Laboratories. (No longer in use for VLBI.)

DSS15, 34-m-diameter antenna operated by the Deep Space Network in the Goldstone Tracking Complex near Barstow, California.

DSS45, 34-m-diameter antenna operated by the Deep Space Network in Tidbinbilla, Australia.

DSS65, 34-m-diameter antenna operated by the Deep Space Network in Madrid, Spain.

EFLSBERG, 100-m-diameter antenna of the Max Planck Institute for Radio Astronomy located near Effelsberg, Germany.

FD-VLBA, 25-m-diameter antenna of the Very Long Baseline Array (VLBA) near Ft. Davis, Texas.

GILCREEK, 26-m-diameter antenna operated by the CDP and located at the NOAA/NESDIS facility at Gilmore Creek, Alaska, near Fairbanks.

GOLDVENU, 26-m-diameter antenna operated by the Deep Space Network in the Goldstone Tracking Complex near Barstow, California. Also called DSS13.

HARTRAO, 26-m-diameter antenna at the Hartebeesthoek Radio Astronomy Observatory near Johannesburg, South Africa.

HATCREEK, 26-m-diameter antenna at the Hat Creek Radio Observatory, HatCreek, California.

HAYSTACK, 37-m-diameter antenna at the Haystack Observatory, Westford, Massachusetts.

HN-VLBA, 25-m-diameter antenna of the (VLBA) at Hancock, New Hampshire.

HOBART26, 26-m-diameter antenna operated by the University of Tasmania at Hobart, Tasmania, Australia.

HRAS 085, 26-m-diameter antenna at the George R. Agassiz Station operated by the Harvard College Observatory and located near Fort Davis, Texas. (No longer in use.)

KASHIMA, 26-m-diameter antenna at the Kashima Space Research Center, Kashima, Japan.

KASHIM34, 34-m-diameter antenna at the Kashima Space Research Center, Kashima, Japan.

KAUAI, 9-m-diameter antenna operated by the CDP at the Kokee Park Geophysical Observatory on the island of Kauai in Hawaii. (Formerly part of NASA's Spaceflight Tracking and Data Network.)

KP-VLBA, 25-m-diameter antenna of the (VLBA) at Kitt Peak, Arizona.

KWAJAL26, 26-m-diameter TRADEX antenna operated for the U.S. Air Force by Lincoln Laboratory in the Marshall Islands.

LA-VLBA, 25-m-diameter antenna of the VLBA near Los Alamos, New Mexico.

MARCUS, 10-m-diameter antenna operated by the GSI on the island of Minami-tori Shima in the Western Pacific Ocean.

MARPOINT, 26-m-diameter antenna of the U.S. Naval Research Laboratory located near Maryland Point, Maryland. (No longer in use for routine operations.)

MATERA, 20-m-diameter antenna operated by the Italian Space Agency (ASI) in Matera, Italy.

MEDICINA, 32-m-diameter antenna operated Istituto di Radioastronomia, near Bologna, Italy.

MOJAVE12, 12-m-diameter antenna located at the NASA Goldstone complex near Barstôw, California and operated by the NGS.

NOBEY 6M, 6-m-diameter antenna of the National Astronomy Observatory at Nobeyama, Japan.

NL-VLBA, 25-m-diameter antenna of the (VLBA) at North Liberty, Iowa.

Table 1.1 (continued)

NOTO, 32-m-diameter antenna operated by the Istituto di Radioastronomia at Noto, Sicily, Italy.

NRAO85 3, 26-m-diameter antenna at the National Radio Astronomy Observatory, Green Bank, West Virginia, operated for the U.S. Naval Observatory.

NRAO 140, 43-m-diameter antenna at the National Radio Astronomy Observatory, Green Bank, West Virginia.

ONSALA60, 20-m-diameter antenna at the Onsala Space Observatory, Onsala, Sweden.

OV-VLBA, 25-m-diameter antenna of the (VLBA) in the Owens Valley at Big Pine, California.

OVRO 130, 40-m-diameter antenna at the Owens Valley Radio Observatory, Big Pine, California.

PIETOWN, 25-m-diameter antenna of the VLBA near Pietown, New Mexico.

RICHMOND, 18-m-diameter antenna of the U.S. Naval Observatory near Miami, Florida, destroyed by hurricane Andrew in August, 1991.

ROBLED32, 32-m-diameter antenna located at the NASA Madrid complex in Spain and operated by the Deep Space Network.

SANTIA12, 12-m-diameter antenna located in Peldehue, Chile and operated by the Center for Space Studies of the University of Chile.

SESHAN25, 25-m-diameter antenna of the Shanghai Astronomical Observatory near Shanghai, China.

SEST, 15-m-diameter antenna operated by the European Southern Observatory (ESO) near Cerro Tolollo, Chile.

SHANGHAI, 6-m-diameter antenna at the Shanghai Astronomical Observatory in Shanghai, China.

USSERISK, 70-m-diameter antenna operated by the Russian Space Agency at Usseriisk in the Russian Maritime Province.

USUDA64, 64-m-diameter antenna operated by the GSI near Usuda, Japan.

VNDNBERG, 9-m-diameter antenna operated by the CDP and located at the Vandenberg Air Force Base in California. (Ceased operations Summer 1990.)

WESTFORD, 18-m-diameter antenna at the Haystack Observatory, Westford, Massachusetts.

WETTZELL, 20-m-diameter antenna located in Bavaria, Germany and operated by the German Institute for Applied Geodesy (IFAG).

Table 1.2

VLBI Site Locations				Lat.		Long.	
Site Name	Mon.	Plate	Location	deg	min	deg	min
ALGOPARK	7282 A	NOAM	Lake Traverse, Ontario, Canada	45	57	281	55
AUSTINTX	7271 G	NOAM	Austin, Texas	30	20	262	18
AZORES	7609 G	EURA	Azores Islands, North Atlantic	37	44	334	20
BERMUDA	7294 G	NOAM	Bermuda Islands, North Atlantic	32	21	295	19
BLKBUTTE	7269 G	NOAM	Black Butte, California	33	39	244	16
BLOOMIND	7291 G	NOAM	Bloomington, Indiana	39	10	273	30
BREST	7604 G	EURA	Brest, France	48	24	355	29
CARNUSTY	7603 G	EURA	Carnoustie, Scotland	56	28	357	13
CARROLGA	7228 G	NOAM	Carrolton, Georgia	33	34	274	53
CHLBOLTN	7215 A	EURA	Chilbolton, England	51	08	358	33
DEADMANL	7267 G	NOAM	Deadman Lake, California	34	15	243	43
DSS15	7231 A	NOAM	Barstow, California	35	25	243	06
DSS45	1642 A	AUST	Tidbinbilla, Australia	-35	23	148	58
DSS65	1665 A	EURA	Madrid, Spain	40	25	355	44
EFLSBERG	7203 A	EURA	Effelsberg, Germany	50	31	6	53
ELY	7286 G	NOAM	Ely, Nevada	39	17	245	09
FD-VLBA	7613 A	NOAM	Ft. Davis, Texas	30	38	256	03
FLAGSTAF	7261 G	NOAM	Flagstaff, Arizona	35	12	248	21
FORT ORD	7266 G	PCFC	Sand City, California	36	40	238	13
FORTORDS	7241 G	PCFC	Sand City, California	36	35	238	13
FTD 7900	7900 G	NOAM	Fort Davis, Texas	30	38	256	03
GILCREEK	7225 A	NOAM	Fairbanks, Alaska	64	58	212	30
GOLDVENU	1513 A	NOAM	Barstow, California	35	14	243	12
GORF7102	7102 G	NOAM	Beltsville, Maryland	39	01	283	10
GRASSE	7605 G	EURA	Grasse, France	43	45	6	55
HALEAKAL	7120 G	PCFC	LURE Observatory, Maui, Hawaii	20	42	203	44
HARTRAO	7232 A	AFRC	Johannesburg, South Africa	-25	53	27	41
HATCREEK	7218 A	NOAM	Hat Creek, California	40	49	238	31
HAYSTACK	7205 A	NOAM	Westford, Massachusetts	42	37	288	30
HN-VLBA	7618 A	NOAM	Hancock, New Hampshire	42	56	288	00
HOBART26	7242 A	AUST	Hobart, Tasmania, Australia	-42	48	147	26
HOFN	7635 G	EURA	Hofn, Iceland	64	16	344	48
HOHENFRG	7600 G	EURA	Hohenbuenstorf, Germany	53	03	10	28
HOHNBERG	7630 G	EURA	Hohenspeissenberg, Germany	47	48	11	01
HRAS 085	7216 A	NOAM	Fort Davis, Texas	00	00	00	00
JPL MV1	7263 G	PCFC	Pasadena, California	34	12	241	49
KARLBURG	7632 G	EURA	Karlsburg, Germany	53	59	13	36
KASHIM34	1857 A	NOAM	Kashima, Japan	35	57	140	39
KASHIMA	1856 A	NOAM	Kashima, Japan	35	57	140	39
KAUAI	1311 A	PCFC	Kokee Park, Kauai, Hawaii	22	07	200	20

Table 1.2 (continued)

VLBI Site Locations				Lat.		Long.	
Site Name	Mon.	Plate	Location	deg	min	deg	min
KIRSBERG	7631 G	EURA	Kirschberg, Germany	51	12	14	17
KODIAK	7278 G	NOAM	Kodiak, Alaska	57	44	207	30
KP-VLBA	7610 A	NOAM	Kitt Peak, Arizona	31	57	248	23
KWAJAL26	4968 A	PCFC	Roi-Namur, Marshall Islands, South Pacific	9	23	167	28
LA-VLBA	7611 A	NOAM	Los Alamos, New Mexico	35	46	253	45
LEONRDOK	7292 G	NOAM	Leonard, Oklahoma	35	54	264	12
MAMMOTHL	7259 G	NOAM	Mammoth Lakes, California	37	38	241	03
MARCUS	7310 A	PCFC	Minami-tori Shima, Japan	24	17	153	59
MARPOINT	7217 A	NOAM	Maryland Point, Maryland	38	22	282	46
MATERA	7243 A	EURA	Matera, Italy	40	38	16	42
MCD 7850	7850 G	NOAM	Fort Davis, Texas	30	40	255	59
MEDICINA	7230 A	EURA	Medicina, Italy	44	31	11	38
METSHOVI	7601 G	EURA	Metsahovi, Finland	60	14	24	23
MILESMON	7038 G	NOAM	Miles City, Montana	46	23	254	08
MIYAZAKI	7312 G	EURA	Miyazaki, Japan	32	05	131	28
MIZUSGSI	7314 G	NOAM	Mizusawa, Japan	39	06	141	12
MOJ 7288	7288 G	NOAM	Barstow, California	35	19	243	06
MOJAVE12	7222 A	NOAM	Barstow, California	35	19	243	06
MON PEAK	7274 G	PCFC	Monument Peak, California	32	53	243	34
MV2ONSLA	7211 G	EURA	Onsala, Sweden	57	23	11	55
NL-VLBA	7612 A	NOAM	North Liberty, Iowa	41	46	268	25
NOBEY 6M	7244 A	NOAM	Nobeyama, Japan	35	56	138	28
NOME	7279 G	NOAM	Nome, Alaska	64	33	194	37
NOTO	7547 A	EURA	Noto, Sicily, Italy	36	52	14	59
NRAO 140	7204 A	NOAM	Green Bank, West Virginia	38	26	280	09
NRAO85 1	7248 A	NOAM	Green Bank, West Virginia	38	26	280	10
NRAO85 3	7214 A	NOAM	Green Bank, West Virginia	38	25	280	09
OCOTILLO	7270 G	NOAM	Ocotillo, California	32	47	244	12
ONSALA60	7213 A	EURA	Onsala, Sweden	57	23	11	55
OV-VLBA	7616 A	NOAM	Big Pine, California	37	13	241	43
OVR 7853	7853 G	NOAM	Big Pine, California	37	13	241	42
OVRO 130	7207 A	NOAM	Big Pine, California	37	13	241	43
PBLOSSOM	7254 G	PCFC	Pearblossom, California	34	30	242	04
PENTICTN	7283 G	NOAM	Penticton, Brittish Columbia, Canada	49	19	240	22
PIETOWN	7234 A	NOAM	Pie Town, New Mexico	34	18	251	52
PINFLATS	7256 G	NOAM	Pinyon Flats, California	33	36	243	32
PLATTVIL	7258 G	NOAM	Platteville, Colorado	40	10	255	16
PRESIDIO	7252 G	PCFC	San Francisco, California	37	48	237	32
PT REYES	7251 G	PCFC	Point Reyes, California	38	06	237	03
PVERDES	7268 G	PCFC	Palos Verdes, California	33	44	241	35

Table 1.2 (continued)

VLBI Site Locations				Lat.	Long.
Site Name	Mon.	Plate	Location	deg min	deg min
QUINCY	7221 G	NOAM	Quincy, California	39 58	239 03
RICHMOND	7219 A	NOAM	Miami, Florida	25 36	279 36
ROBLED32	1561 A	EURA	Madrid, Spain	40 25	355 45
SAGARA	7325	NOAM	Sagara, Japan	34 40	138 10
SANPAULA	7255 G	PCFC	Santa Paula, California	34 23	241 00
SANTIA12	1404 A	SOAM	Peldehue, Chile	-33 09	289 19
SEATTLE1	7229 G	NOAM	Seattle, Washington	47 41	237 45
SESHAN25	7227 A	EURA	Shanghai, China	31 05	121 11
SEST	7239 A	SOAM	Cerro Tolollo, Chile	-29 15	289 16
SHANGHAI	7226 A	EURA	Shanghai, China	31 11	121 25
SINTOTU	7315 G	NOAM	Mashike, Hokaido Island, Japan	43 31	141 50
SNDPOINT	7280 G	NOAM	Sand Point, Alaska	55 21	199 31
SOURDOGH	7281 G	NOAM	Sourdough, Alaska	62 39	214 30
TITIJIMA	7316 G	PCFC	Titi Jima Island, Japan	27 05	142 11
TOULOUSE	7608 G	EURA	Toulouse, France	43 33	1 29
TROMSONO	7602 G	EURA	Tromso, Norway	69 39	18 56
TRYSILNO	7607 G	EURA	Trysil, Norway	61 25	12 22
TSUKUBA	7311 G	NOAM	Tsukuba, Japan	36 06	140 05
USSURISK	7247 A	EURA	Ussuriisk, Maritime Province, Russia	44 00	131 45
USUDA64	7246 A	EURA	Usuda, Japan	36 07	138 21
VERNAL	7290 G	NOAM	Vernal, Utah	40 19	250 25
VICTORIA	7289 G	NOAM	Victoria, Vancouver, Canada	48 23	236 30
VLA	7619 X	NOAM	Magdalena, New Mexico	34 04	252 22
VNDNBERG	7223 G	PCFC	Vandenberg Air Force Base, California	34 33	239 23
WESTFORD	7209 A	NOAM	Westford, Massachusetts	42 36	288 30
WETTZELL	7224 A	EURA	Wettzell, Bavaria, Germany	49 08	12 52
WHTHORSE	7284 G	NOAM	Whitehorse, Yukon Territory, Canada	60 42	224 55
YAKATAGA	7277 G	NOAM	Cape Yakataga, Alaska	60 04	217 30
YELLOWKN	7285 G	NOAM	Yellowknife, Northwest Territory, Canada	62 28	245 31
YLOW7296	7296 G	NOAM	Yellowknife, Northwest Territory, Canada	62 28	245 31
YUMA	7894 G	NOAM	Yuma, Arizona	32 56	245 47

2.0 Summary of Sessions by Database and Site

Table 2.1 is a summary of the observing sessions. Each line corresponds to one session and contains the database name of the session and an asterisk (*) to indicate which fixed stations and/or mobile sites participated. The final character in each database name was meant to indicate the type of observing session but this convention has not been consistently used; the session types are, however, identified in the column to the right of the database name. Only observing sessions from 1992 are included in the printed copy. The machine-readable copy of the annual report contains entries for all observing sessions used to generate the solutions in. These session types correspond to the observing programs described in detail in Section II. B. of the text.

Table 2.1
Summary of Experiments by Site

		Fixed Stations							Mobile Sites		
Session Name	Session Type	ADDDE LSSSF GSSSL 0146S P555B A E R R K G	FGHHH DIAAN -LRY- VCTSV LRRTL BEAAB AEOCA K K	HKKKK OAAAP BSSU- AHHAV RIIIL TMM B 23A A 64	LMMMM AAAEO -RTDJ VCEIA LURCV BSAIE A N1 A2	NNNNN LORRR -TAAA VOOOO L 88 B 155 A 4 013	OOPRS NVIIA S-ECN AVTHT LLOMI ABWOA 6ANN1 0 D2	SUWW ESEE SSST HUTT ARFZ NIOE 2SRL 5KDL	AGHHK ZOOOA ORFHR RFNNL E7 BB S1 EU 0 RR 2 GG	KMSTT IVAOR R2GUO SOALM BNROS ESAUO RL SN GA EO	TY RL YO SW I7 L2 N9 06
$92JAN02XO	USNO NAVENT	-----	-*---	---*-	-----	----*	---*-	----	-----	-----	--
$92JAN06XI	IRIS-A	-----	-*---	-----	-----	-----	-----	--**	-----	-----	*-
$92JAN07X	SGP R&D	-----	-*---	---*-	*---*	-----	-----	--**	-----	-----	--
$92JAN09XO	USNO NAVENT	-----	-*---	---*-	-----	----*	---*-	----	-----	-----	--
$92JAN13XI	IRIS-A	-----	-*---	-----	-----	-----	*----	--**	-----	-----	*-
$92JAN14X	Intra-Europe	---*-	-----	-----	--**-	-*---	*----	---*	-----	-----	--
$92JAN14XO	USNO NAVEX	-----	-*---	---*-	-----	----*	---*-	----	-----	-----	--
$92JAN16XO	USNO NAVENT	-----	-*---	---*-	-----	----*	---*-	----	-----	-----	--
$92JAN17XP	IRIS-Pacific	-----	-*---	**---	----*	-----	-----	----	-----	-----	--
$92JAN20XI	IRIS-A	-----	-----	-----	----*	-----	---*-	--**	-----	-----	--
$92JAN20XS	NGS S. Survy	-----	--*--	*----	-----	-----	----*	----	-----	-----	--
$92JAN21XJ	USNO NAVEX	-----	--*--	-----	-----	----*	----*	----	-----	-----	--
$92JAN21XO	USNO NAVEX	-----	-*---	---*-	-----	-----	---*-	---*	-----	-----	--
$92JAN23XO	USNO NAVENT	-----	-*---	---*-	-----	----*	---*-	----	-----	-----	--
$92JAN27X	SGP Polar	--*--	--*--	*----	-----	-----	----*	----	-----	-----	--
$92JAN27XI	IRIS-A	-----	-----	-----	----*	-----	---*-	--**	-----	-----	--
$92JAN28XH	IRIS-South	-----	--*--	-----	----*	-----	---*-	--**	-----	-----	--
$92JAN28XO	USNO NAVEX	-----	-*---	---*-	-----	----*	-----	----	-----	-----	--
$92JAN30XO	USNO NAVENT	-----	-*---	---*-	-----	----*	---*-	----	-----	-----	--
$92FEB03XI	IRIS-A	-----	-----	-----	----*	-----	---*-	--**	-----	-----	--
$92FEB04X	SGP R&D	-----	-*---	---*-	*---*	-----	-----	--**	-----	-----	--
$92FEB06XO	USNO NAVENT	-----	-*---	---*-	-----	----*	---*-	----	-----	-----	--
$92FEB07X*	Europe Mobl.	-----	-*---	-----	-----	-----	-----	--*-	-----	-----	*-
$92FEB10XI	IRIS-A	-----	-----	-----	----*	-----	---*-	--**	-----	-----	--
$92FEB11XO	USNO NAVEX	-----	-*---	---*-	-----	----*	---*-	---*	-----	-----	--
$92FEB11XS	NGS S. Survy	-----	--*--	*----	-----	-----	----*	----	-----	-----	--
$92FEB13XO	USNO NAVENT	-----	-*---	---*-	-----	----*	---*-	----	-----	-----	--
$92FEB14XP	IRIS-Pacific	-----	-*---	**---	----*	-----	-----	----	-----	-----	--
$92FEB17XI	IRIS-A	-----	-----	-----	--*-*	-----	---*-	--*-	-----	-----	--
$92FEB20XO	USNO NAVENT	-----	-*---	---*-	-----	----*	---*-	----	-----	-----	--
$92FEB21X*	Europe Mobl.	-----	-*---	-----	-----	-----	-----	--**	-----	-----	*-
$92FEB24XI	IRIS-A	-----	-----	-----	----*	-----	---*-	--**	-----	-----	--
$92FEB25XH	IRIS-South	-----	--*--	-----	----*	-----	---*-	--**	-----	-----	--
$92FEB27XO	USNO NAVENT	-----	-*---	---*-	-----	----*	---*-	----	-----	-----	--
$92MAR02XI	IRIS-A	-----	-----	-----	--*-*	-----	---*-	--**	-----	-----	--
$92MAR03X	SGP R&D	-----	-*---	---*-	----*	-----	-----	--**	-----	-----	--
$92MAR05XO	USNO NAVENT	-----	-*---	---*-	-----	----*	---*-	----	-----	-----	--
$92MAR06XP	IRIS-Pacific	-----	-*---	**---	----*	-----	-----	----	-----	-----	--
$92MAR09XI	IRIS-A	-----	-----	-----	----*	-----	---*-	--**	-----	-----	--
$92MAR09XS	NGS S. Survy	-----	--*--	*----	-----	-----	----*	----	-----	-----	--
$92MAR10XH	IRIS-South	-----	--*--	-----	----*	-----	---*-	--**	-----	-----	--
$92MAR10XO	USNO NAVEX	-----	-*---	-*-*-	--*--	----*	-----	----	-----	-----	--
$92MAR12X	SGP Usserisk	--*--	-*---	*--*-	-----	-----	-----	-*--	-----	-----	--
$92MAR12XO	USNO NAVENT	-----	-*---	---*-	-----	----*	---*-	----	-----	-----	--
$92MAR13X*	Europe Mobl.	-----	-*---	-----	-----	-----	-----	--**	-----	-----	*-
$92MAR16XI	IRIS-A	-----	-----	-----	----*	-----	-----	--**	-----	-----	--
$92MAR18X	SGP Usserisk	-----	-*---	*--*-	-----	-----	-----	----	-----	-----	--
$92MAR19XO	USNO NAVENT	-----	-*---	---*-	-----	----*	-----	----	-----	-----	--
$92MAR20X*	Europe Mobl.	-----	-*---	-----	-----	-----	-----	--**	-----	-----	*-
$92MAR23XI	IRIS-A	-----	-----	-----	----*	-----	-----	--**	-----	-----	--
$92MAR26XO	USNO NAVENT	-----	-*---	---*-	-----	----*	-----	----	-----	-----	--
$92MAR30XI	IRIS-A	-----	-----	-----	----*	-----	-----	--**	-----	-----	--
$92APR02XO	USNO NAVENT	-----	-*---	---*-	-----	----*	-----	----	-----	-----	--
$92APR06XI	IRIS-A	-----	-----	-----	----*	-----	*----	--**	-----	-----	--
$92APR08X	Intra-Europe	---*-	-----	-----	--**-	-*---	*----	----	-----	-----	--
$92APR09XO	USNO NAVENT	-----	-*---	---*-	-----	----*	-----	----	-----	-----	--
$92APR13XI	IRIS-A	-----	-----	-----	--*-*	-----	---*-	--*-	-----	-----	--
$92APR13XS	NGS S. Survy	-----	--*--	*----	-----	-----	----*	----	-----	-----	--
$92APR14XP	IRIS-Pacific	-----	-*---	**---	----*	-----	-----	----	-----	-----	--
$92APR15X	SGP T. Asia	--*--	--*--	**---	-----	-----	-----	*---	-----	-----	--

Table 2.1 (continued)

Session Name	Session Type	Fixed Stations							Mobile Sites		
		ADDDE LSSSF GSSSL 0146S P555B A E R R K G	FGHHH DIAAN -LRY- VCTSV LRRTL BEAAB AEOCA K K	HKKKK OAAAP BSSU- AHHAV RIIIL TMM B 23A A 64	LMMMM AAAEO -RTDJ VCEIA LURCV BSAIE A N1 A2	NNNNN LORRR -TAAA VOOOO L 88 B 155 A 4 013	OOPRS NVIIA S-ECN AVTHT LLOMI ABWOA 6ANN1 0 D2	SUWW ESEE SSST HUTT ARFZ NIOE 2SRL 5KDL	AGHHK ZOOOA ORFHR RFNNL E7 BB S1 EU 0 RR 2 GG	KMSTT IVAOR R2GUO SOALM BNROS ESAUO RL SN GA EO	TY RL YO SW I7 L2 N9 06
$92APR15XO	USNO NAVENT	-----	-*---	---*-	-----	----*	---*-	----	-----	-----	--
$92APR20XI	IRIS-A	-----	-----	-----	----*	-----	---*-	--**	-----	-----	--
$92APR21X	SGP R&D	-----	-*---	---*-	*---*	-----	-----	--**	-----	-----	--
$92APR23XO	USNO NAVENT	-----	-*---	---*-	-----	----*	---*-	----	-----	-----	--
$92APR27XI	IRIS-A	-----	-----	-----	----*	-----	---*-	--**	-----	-----	--
$92APR28XH	IRIS-South	-----	--*--	-----	----*	-----	---*-	--*-	-----	-----	--
$92APR28XO	USNO NAVEX	-----	-*---	---*-	--*--	----*	-----	----	-----	-----	--
$92APR30X	Europe Mobl.	-----	-----	-----	-----	-----	*----	----	-----	-*---	--
$92APR30XO	USNO NAVENT	-----	-*---	---*-	-----	----*	---*-	----	-----	-----	--
$92MAY04XI	IRIS-A	-----	-----	-----	----*	-----	---*-	--*-	-----	-----	--
$92MAY05XH	IRIS-South	-----	--*--	-----	----*	-----	---*-	--**	-----	-----	--
$92MAY05XO	USNO NAVEX	-----	-*---	---*-	--*--	----*	-----	----	-----	-----	--
$92MAY07XO	USNO NAVENT	-----	-*---	---*-	-----	----*	---*-	----	-----	-----	--
$92MAY10X*	Europe Mobl.	-----	-----	-----	-----	-----	-----	---*	-----	---*-	--
$92MAY11XI	IRIS-A Eur.	-----	-----	-----	----*	-----	-----	--**	-----	---*-	--
$92MAY12X	SGP R&D	-----	-*---	---*-	----*	-----	-----	--**	-----	-----	--
$92MAY12XA	Intra-Europe	---*-	-----	-----	--**-	-----	-----	----	-----	---*-	--
$92MAY14XO	USNO NAVENT	-----	-*---	---*-	-----	----*	---*-	----	-----	-----	--
$92MAY15XA	W. Canada	-----	-*---	-----	-----	-----	-----	--*-	-----	-----	-*
$92MAY16XA	W. Canada	-----	-*---	-----	-----	-----	-----	--*-	-----	-----	-*
$92MAY18XI	IRIS-A	-----	-----	-----	----*	-----	---*-	--**	-----	-----	--
$92MAY20X	N. Am. Plate	-----	-*---	-----	----*	-----	---*-	--*-	-*---	-----	-*
$92MAY21X	SGP Polar	--*--	--*--	*----	-----	-----	----*	----	-----	-----	--
$92MAY21XO	USNO NAVENT	-----	-*---	---*-	-----	----*	---*-	----	-----	-----	--
$92MAY22XP	IRIS-Pacific	-----	-*---	**---	----*	-----	-----	----	-----	-----	--
$92MAY25XI	IRIS-A	-----	-----	-----	--*-*	-----	---*-	--**	-----	-----	--
$92MAY27XS	NGS S. Survy	-----	--*--	*----	-----	-----	----*	----	-----	-----	--
$92MAY28XO	USNO NAVENT	-----	-*---	---*-	-----	----*	---*-	----	-----	-----	--
$92MAY29X*	Europe Mobl.	-----	-----	-----	-----	-----	---*-	--**	*----	-----	--
$92MAY30X*	Europe Mobl.	-----	-----	-----	-----	-----	---*-	--**	*----	-----	--
$92JUN01XI	IRIS-A Eur.	-----	-----	-----	----*	-----	-----	--**	*----	-----	--
$92JUN01XS	NGS S. Survy	-----	--*--	*----	-----	-----	----*	----	-----	-----	--
$92JUN02X*	Europe Mobl.	-----	-----	-----	-----	-----	---*-	--**	*----	-----	--
$92JUN02XP	IRIS-Pacific	-----	-----	**---	----*	-----	-----	----	-----	-----	--
$92JUN04XO	USNO NAVENT	-----	-----	---*-	-----	----*	---*-	----	-----	-----	--
$92JUN08XI	IRIS-A	-----	-----	-----	--*-*	-----	---*-	--**	-----	-----	--
$92JUN12XO	USNO NAVENT	-----	-*---	---*-	-----	----*	-----	----	-----	-----	--
$92JUN13X	SGP Polar	-----	--*--	*----	-----	-----	----*	----	-----	-----	--
$92JUN15XI	IRIS-A Eur.	-----	-*---	-----	-----	-----	-----	--**	---*-	-----	--
$92JUN16X	N. Am. Plate	*----	-*---	-----	----*	-----	---*-	--*-	-*---	-----	-*
$92JUN17X*	Europe Mobl.	-----	-----	-----	-----	-----	-----	---*	---*-	-----	--
$92JUN18X*	Europe Mobl.	-----	-----	-----	-----	-----	-----	---*	---*-	-----	--
$92JUN18XO	USNO NAVENT	-----	-*---	---*-	-----	----*	-----	----	-----	-----	--
$92JUN19XA	W. Canada	*----	-*---	-----	-----	-----	-----	--*-	-----	-----	-*
$92JUN20XA	W. Canada	*----	-*---	-----	-----	-----	-----	--*-	-----	-----	-*
$92JUN22XI	IRIS-A	*----	-----	-----	----*	-----	---*-	--**	-----	*----	--
$92JUN23XH	IRIS-South	-----	--*--	-----	----*	-----	---*-	--**	-----	-----	--
$92JUN23XO	USNO NAVEX	*----	-*---	---*-	--*--	----*	-----	----	-----	-----	--
$92JUN25X*	Europe Mobl.	-----	-----	-----	-----	-----	*----	---*	-----	*----	--
$92JUN25XO	USNO NAVENT	-----	-*---	---*-	-----	----*	---*-	----	-----	-----	--
$92JUN25XX	CRL Japan	-----	-----	-*---	-*---	-----	-----	*---	-----	-----	--
$92JUN26X*	Europe Mobl.	-----	-----	-----	-----	-----	*----	---*	-----	*----	--
$92JUN28X*	Europe Mobl.	-----	-----	-----	-----	-----	*----	---*	-----	*----	--
$92JUN28XX	CRL Japan	-----	-----	-*---	-*---	-----	-----	*---	-----	-----	--
$92JUN29X	SGP Polar	-*---	-*-*-	--*--	---*-	-----	*----	----	-----	-----	--
$92JUN29XI	IRIS-A	*----	-----	-----	----*	-----	---*-	--**	-----	-----	--
$92JUN30X	SGP R&D	-----	**---	---*-	*----	-----	-----	--**	-----	-----	--
$92JUN30XO	USNO NAVEX	*----	-----	-----	-----	----*	---*-	----	-----	-----	--
$92JUL02XO	USNO NAVENT	-----	-*---	---*-	-----	----*	---*-	----	-----	-----	--
$92JUL06XI	IRIS-A	-----	-----	-----	----*	-----	*----	--**	----*	-----	--

Table 2.1 (continued)

		Fixed Stations							Mobile Sites		
		ADDDE	FGHHH	HKKKK	LMMMM	NNNNN	OOPRS	SUWW	AGHHK	KMSTT	TY
		LSSSF	DIAAN	OAAAP	AAAEO	LORRR	NVIIA	ESEE	ZOOOA	IVAOR	RL
		GSSSL	-LRY-	BSSU-	-RTDJ	-TAAA	S-ECN	SSST	ORFHR	R2GUO	YO
		0146S	VCTSV	AHHAV	VCEIA	VOOOO	AVTHT	HUTT	RFNNL	SOALM	SW
Session	Session	P555B	LRRTL	RIIIL	LURCV	L 88	LLOMI	ARFZ	E7 BB	BNROS	I7
Name	Type	A E	BEAAB	TMM B	BSAIE	B 155	ABWOA	NIOE	S1 EU	ESAUO	L2
		R R	AEOCA	23A A	A N1	A 4	6ANN1	2SRL	0 RR	RL SN	N9
		K G	K K	64	A2	013	0 D2	5KDL	2 GG	GA EO	06
$92JUL07X	Inra-Europe	---*-	-----	-----	--**-	-----	*----	----	----*	-----	--
$92JUL07XQ	SGP Quake	-----	**---	---*-	----*	-----	-----	----	-----	-----	--
$92JUL08XH	IRIS-South	-----	--*--	-----	-----	-----	---**	--**	-----	-----	--
$92JUL08XO	USNO NAVEX	*----	-*---	---*-	--*--	----*	-----	----	-----	-----	--
$92JUL09XO	USNO NAVENT	-----	-*---	---*-	-----	----*	---*-	----	-----	-----	--
$92JUL13XI	IRIS-A	-----	-*---	-----	----*	-----	---*-	--**	-----	-----	--
$92JUL15X	SGP PPM	--*--	-*---	--**-	-----	-----	----*	*---	-----	-----	--
$92JUL16XO	USNO NAVENT	-----	-*---	---*-	-----	----*	---*-	----	-----	-----	--
$92JUL17XP	IRIS-Pacific	-----	-*---	*-**-	-----	-----	-----	----	-----	-----	--
$92JUL20XI	IRIS-A	-----	-*---	-----	-----	-----	*----	--**	--*--	-----	--
$92JUL20XS	NGS S. Survy	-----	--*--	*----	-----	-----	----*	----	-----	-----	--
$92JUL21X	SGP Global	-----	-**--	*-**-	-----	-----	----*	*-**	-----	-----	--
$92JUL22X	SGP Global	-----	-**--	*-**-	-----	-----	----*	*-**	-----	-----	--
$92JUL22X*	Europe Mobl.	-----	-----	-----	-----	-----	---*-	----	--*--	-----	--
$92JUL23XO	USNO NAVENT	-----	-*---	---*-	-----	----*	---*-	----	-----	-----	--
$92JUL25X*	Europe Mobl.	-----	-*---	-----	-----	-----	*----	--**	-----	-----	--
$92JUL26X*	Europe Mobl.	-----	-*---	-----	-----	-----	*----	--**	--*--	-----	--
$92JUL27XI	IRIS-A	-----	-*---	-----	-----	-----	*----	--**	--*--	-----	--
$92JUL28X	SGP R&D	-----	**---	---*-	*----	-----	-----	--**	-----	-----	--
$92JUL28XO	USNO NAVEX	-----	--*--	--*--	--*--	----*	----*	----	-----	-----	--
$92JUL29X	SGP R&D	-----	**---	---*-	*----	-----	-----	--**	-----	-----	--
$92JUL29XO	USNO NAVEX	*----	--*--	--*--	--*--	----*	----*	----	-----	-----	--
$92JUL30XO	USNO NAVENT	-----	-*---	---*-	----*	-----	---*-	----	-----	-----	--
$92JUL31X	SGP R&D	-----	**---	---*-	*----	-----	-----	--**	-----	-----	--
$92AUG02X	SGP R&D	-----	-*---	---*-	*----	-----	-----	--**	-----	-----	--
$92AUG03XI	IRIS-A	*----	-----	-----	----*	-----	---*-	--**	-----	-----	--
$92AUG04X	SGP R&D	-----	**---	---*-	*----	-----	-----	--**	-----	-----	--
$92AUG04XO	USNO NAVEX	-----	--*--	--*--	--*--	----*	----*	----	-----	-----	--
$92AUG05X	SGP R&D	-----	**---	---*-	*----	-----	-----	--**	-----	-----	--
$92AUG05XO	USNO NAVEX	*----	--*--	--*--	--*--	----*	----*	----	-----	-----	--
$92AUG06XO	USNO NAVENT	-----	-*---	---*-	----*	----*	---*-	----	-----	-----	--
$92AUG07X	SGP R&D	-----	**---	---*-.	*----	-----	-----	--**	-----	-----	--
$92AUG09X	SGP R&D	-----	**---	---*-	*----	-----	-----	--**	-----	-----	--
$92AUG10XI	IRIS-A	*----	-----	-----	----*	-----	---*-	--**	-----	-----	--
$92AUG10XO	USNO NAVEX	-----	-*---	--**-	--*--	----*	-----	----	-----	-----	--
$92AUG10XS	NGS S. Survy	-----	--*--	*----	-----	-----	----*	----	-----	-----	--
$92AUG11X	SGP T. Asia	--*--	--*--	*-*--	-----	-----	-----	*--*	-----	-----	--
$92AUG12X*	Europe Mobl.	-----	-*---	-----	-----	-----	*----	--**	-----	-----	--
$92AUG13XO	USNO NAVENT	-----	-*---	---*-	-----	----*	---*-	----	-----	-----	--
$92AUG17XI	IRIS-A	-----	-*---	-----	-----	-----	*----	--**	-----	-----	--
$92AUG18XH	IRIS-S	-----	--*--	-----	-----	-----	---**	--**	-----	-----	--
$92AUG20XO	USNO NAVENT	-----	-*---	---*-	-----	----*	---*-	----	-----	-----	--
$92AUG21XA	W. Canada	*----	-*---	-----	-----	-----	-----	--*-	-----	-----	--
$92AUG22XA	W. Canada	*----	-*---	-----	-----	-----	-----	--*-	-----	-----	--
$92AUG24XI	IRIS-A	-----	-*---	-----	----*	-----	-----	--**	-----	-----	--
$92AUG25X*	Europe Mobl.	-----	-----	-----	-----	-----	*----	--**	-----	----*	--
$92AUG26X*	Europe Mobl.	-----	-*---	-----	-----	-----	*----	--**	-----	----*	--
$92AUG27XO	USNO NAVENT	-----	-*---	---*-	-----	----*	-----	----	-----	-----	--
$92AUG28X*	Europe Mobl.	-----	-*---	-----	-----	-----	*----	--**	-----	----*	--
$92AUG28XT	VLBA TAU	-----	*---*	----*	-----	*----	-**--	----	-----	-----	--
$92AUG29X*	Europe Mobl.	-----	-*---	-----	-----	-----	*----	--**	-----	----*	--
$92AUG31XI	IRIS-A	-----	-*---	-----	----*	-----	-----	--**	-----	-----	--
$92SEP01X	SGP R&D	-----	*----	---*-	*----	-----	-----	--**	-----	-----	--
$92SEP03XO	USNO NAVENT	-----	-*---	---*-	-----	----*	-----	----	-----	-----	--
$92SEP07XI	IRIS-A	-----	-*---	-----	-----	-----	*----	--**	-----	-----	--
$92SEP10XO	USNO NAVENT	-----	-*---	---*-	-----	----*	-----	----	-----	-----	--
$92SEP14XI	IRIS-A	-----	-*---	-----	-----	-----	-----	--**	-----	-----	--
$92SEP15XP	IRIS-Pacific	-----	-*---	*-*--	-----	-----	-----	----	-----	-----	--
$92SEP16XS	NGS S. Survy	-----	--*--	*----	-----	-----	----*	----	-----	-----	--
$92SEP17XO	USNO NAVENT	*----	-*---	-----	-----	----*	-----	---*	-----	-----	--

Table 2.1 (continued)

Session Name	Session Type	Fixed Stations							Mobile Sites		
		ADDDE LSSSF GSSSL 0146S P555B A E R R K G	FGHHH DIAAN -LRY- VCTSV LRRTL BEAAB AEOCA K K	HKKKK OAAAP BSSU- AHHAV RIIIL TMM B 23A A 64	LMMMM AAAEO -RTDJ VCEIA LURCV BSAIE A N1 A2	NNNNN LORRR -TAAA VOOOO L 88 B 155 A 4 013	OOPRS NVIIA S-ECN AVTHT LLOMI ABWOA 6ANN1 0 D2	SUWW ESEE SSST HUTT ARFZ NIOE 2SRL 5KDL	AGHHK ZOOOA ORFHR RFNNL E7 BB S1 EU 0 RR 2 GG	KMSTT IVAOR R2GUO SOALM BNROS ESAUO RL SN GA EO	TY RL YO SW I7 L2 N9 06
$92SEP21XI	IRIS-A	*----	-*---	-----	-----	-----	-----	--**	-----	-----	--
$92SEP22XO	USNO NAVEX	-----	-*---	--*--	--*--	----*	-----	----	-----	-----	--
$92SEP24XO	USNO NAVENT	-----	-*---	-----	--*--	----*	-----	---*	-----	-----	--
$92SEP28XI	IRIS-A	-----	-*---	-----	--*--	-----	-----	--**	-----	-----	--
$92OCT01XO	USNO NAVENT	-----	-*---	-----	--*--	----*	-----	----	-----	-----	--
$92OCT05XI	IRIS-A	-----	-*---	-----	-----	-----	*----	--*-	-----	-----	--
$92OCT08XO	USNO NAVENT	-----	-*---	-----	--*--	----*	-----	----	-----	-----	--
$92OCT12XI	IRIS-A	-----	-*---	-----	--*--	-----	-----	--**	-----	-----	--
$92OCT13X	SGP R&D	-----	**---	-----	*----	-----	-----	--**	-----	-----	--
$92OCT15XO	USNO NAVENT	-----	-*---	-----	--*--	----*	-----	---*	-----	-----	--
$92OCT19X	SGP R&D	-----	*----	-----	*----	-----	--*--	----	-----	-----	--
$92OCT19XI	IRIS-A	*----	-*---	-----	-----	-----	-----	--**	-----	-----	--
$92OCT19XS	NGS S. Survy	-----	--*--	*----	-----	-----	----*	----	-----	-----	--
$92OCT20XH	IRIS-S	-----	--*--	-----	-----	-----	----*	--**	-----	-----	--
$92OCT20XO	USNO NAVEX	-----	-*---	-----	--*--	----*	-----	----	-----	-----	--
$92OCT22XO	USNO NAVENT	-----	-*---	-----	--*--	----*	-----	---*	-----	-----	--
$92OCT26XI	IRIS-A	-----	-*---	-----	--*--	-----	-----	--**	-----	-----	--
$92OCT29XO	USNO NAVENT	-----	-*---	-----	--*--	----*	-----	---*	-----	-----	--
$92OCT30X	N. Am. Plate	-----	-*---	-----	*----	--***	-----	--*-	-----	-----	--
$92NOV02XI	IRIS-A	-----	-*---	-----	-----	-----	*----	--**	-----	-----	--
$92NOV03X	Intra-Europe	---*-	-----	-----	--**-	-----	*----	---*	-----	-----	--
$92NOV04XH	IRIS-South	-----	--*--	-----	-----	-----	-----	--**	-----	-----	--
$92NOV04XO	USNO NAVEX	*----	-*---	--*--	--*--	----*	-----	----	-----	-----	--
$92NOV05XO	USNO NAVENT	-----	-*---	---*-	-----	----*	-----	---*	-----	-----	--
$92NOV09XI	IRIS-A	*----	-*---	-----	-----	-----	-----	--**	-----	-----	--
$92NOV09XS	NGS S. Survy	-----	--*--	*----	-----	-----	-----	----	-----	-----	--
$92NOV10XP	IRIS-Pacific	-----	-*---	*-**-	-----	-----	-----	----	-----	-----	--
$92NOV12XO	USNO NAVEX	-----	-*---	---*-	-----	----*	-----	----	-----	-----	--
$92NOV16XI	IRIS-A	-----	-*---	-----	--*--	-----	-----	--**	-----	-----	--
$92NOV17X	SGP PPM	-----	-*---	--**-	-----	-----	-----	----	-----	-----	--
$92NOV19XO	USNO NAVENT	-----	-*---	---*-	-----	----*	-----	----	-----	-----	--
$92NOV20X	SGP R&D	-----	**---	---*-	*----	-----	-----	---*	-----	-----	--
$92NOV23VX	GSI Japan	-----	-----	--*--	-----	-----	-----	----	-----	--*--	--
$92NOV23XI	IRIS-A	*----	-*---	-----	-----	-----	-----	--**	-----	-----	--
$92NOV24XO	USNO NAVENT	-----	-*---	-----	-----	----*	-----	----	-----	-----	--
$92NOV30XI	IRIS-A	-----	-*---	-----	-----	-----	*----	--**	-----	-----	--
$92DEC01X	Intra-Europe	---**	-----	-----	--**-	-----	*----	---*	-----	-----	--
$92DEC02XH	IRIS-South	-----	--*--	-----	-----	-----	----*	--**	-----	-----	--
$92DEC02XO	USNO NAVEX	-----	-*---	---*-	--*--	----*	-----	----	-----	-----	--
$92DEC03XO	USNO NAVENT	-----	-*---	---*-	-----	----*	-----	----	-----	-----	--
$92DEC05X	SGP Polar	-----	-*---	--*--	---*-	-----	*----	--*-	-----	-----	--
$92DEC07XI	IRIS-A	*----	-*---	-----	-----	----*	-----	---*	-----	-----	--
$92DEC08X	SGP PPM	-----	-*---	--**-	-----	-----	-----	----	-----	-----	--
$92DEC10XO	USNO NAVENT	-----	-*---	---*-	-----	----*	-----	----	-----	-----	--
$92DEC14XI	IRIS-A	-----	-*---	-----	--*--	-----	-----	--**	-----	-----	--
$92DEC14XS	NGS S. Survy	-----	--*--	*----	-----	-----	----*	----	-----	-----	--
$92DEC15XP	IRIS-Pacific	-----	-*---	*-*--	-----	-----	-----	----	-----	-----	--
$92DEC16X	SGP R&D	-----	*----	-----	*----	-----	--*--	----	-----	-----	--
$92DEC17XO	USNO NAVENT	-----	-*---	-----	-----	----*	-----	----	-----	-----	--
$92DEC21XI	IRIS-A	-----	-*---	-----	-----	-----	-----	--**	-----	-----	--
$92DEC22XO	USNO NAVENT	-----	-*---	---*-	-----	----*	-----	----	-----	-----	--
$92DEC28XI	IRIS-A	-----	-*---	-----	-----	-----	-----	--**	-----	-----	--
$92DEC29X	SGP R&D	-----	**---	---*-	*----	-----	-----	--**	-----	-----	--
$92DEC30XO	USNO NAVENT	-----	-*---	---*-	-----	----*	-----	----	-----	-----	--

3.0 Source Coordinates from Solution GLB907

Table 3.1 gives the estimated positions of the observed extragalactic radio sources. One-sigma standard statistical errors are given in units of seconds of time for right ascension and arcseconds for declination. The right ascension of 0420-014 was fixed at the indicated value in order to establish the right ascension origin in the celestial reference frame.

Table 3.1

VLBI Source Positions, epoch J2000, from Solution GLB907											
	Right Ascension				Declination				Correl	Observations	
CDP name	Hr	Min	Seconds	Sigma seconds	°	'	"	Sigma "	RA-Dec	Days	Delays
0014+813	00	17	8.473254	.000178	81	35	8.13520	.00036	.132	1	8
0016+731	00	19	45.785519	.000019	73	27	30.01697	.00008	.006	183	11923
0039+230	00	42	4.544937	.000063	23	20	1.06184	.00085	.245	1	12
0048-097	00	50	41.317282	.000002	-09	29	5.20947	.00010	.020	138	2232
0059+581	01	02	45.761864	.000011	58	24	11.13703	.00010	-.017	23	861
0104-408	01	06	45.108004	.000022	-40	34	19.96023	.00054	-.159	62	31
0106+013	01	08	38.770930	.000001	01	35	.31784	.00009	.012	1129	23510
0112-017	01	15	17.099716	.000045	-01	27	4.57644	.00059	-.065	1	17
0119+041	01	21	56.861543	.000001	04	22	24.73529	.00009	.056	630	13213
0123+257	01	26	42.792384	.000067	25	59	1.30180	.00095	.287	1	13
0133+476	01	36	58.594429	.000008	47	51	29.10082	.00010	.031	118	1142
3C48	01	37	42.069993	.022417	33	09	35.52009	6.88483	-.206	1	7
0146+056	01	49	22.370634	.000111	05	55	53.57038	.00132	-.400	1	3
0148+274	01	51	27.145915	.000053	27	44	41.79438	.00054	-.015	1	14
0149+218	01	52	18.058882	.000072	22	07	7.69934	.00079	.160	1	8
0201+113	02	03	46.656871	.000009	11	34	45.41084	.00021	.140	41	156
0202+149	02	04	50.413708	.000003	15	14	11.04458	.00010	.166	116	1481
0202+319	02	05	4.928601	.004193	32	12	30.10196	.00842	-.197	1	10
0208-512	02	10	46.200545	.000009	-51	01	1.89046	.00012	.048	69	561
0212+735	02	17	30.812470	.000020	73	49	32.62303	.00008	-.021	1199	41400
0215+015	02	17	48.954567	.000048	01	44	49.70111	.00057	.064	1	12
0218+35A	02	21	5.466339	.000389	35	56	13.73160	.00194	.795	3	3
0219+428	02	22	39.611193	.000038	43	02	7.80017	.00041	-.200	5	13
4C67.05	02	28	50.050861	.000020	67	21	3.03077	.00015	-.104	40	716
0229+131	02	31	45.893872	.000002	13	22	54.71812	.00009	-.003	912	22975
0234+285	02	37	52.405426	.000003	28	48	8.99176	.00009	-.013	956	30206
0235+164	02	38	38.929904	.000003	16	36	59.27649	.00010	.050	128	1626
0237-233	02	40	8.174351	.000047	-23	09	15.72613	.00165	-.256	12	24
0256+075	02	59	27.076465	.000011	07	47	39.64524	.00037	-.048	26	67
0300+470	03	03	35.241876	.000007	47	16	16.27746	.00009	-.024	660	21666
0308-611	03	09	56.099370	.000016	-60	58	39.05418	.00013	.090	34	262
3C84	03	19	48.159787	.000008	41	30	42.10448	.00011	.085	177	5807
NRAO140	03	36	30.107371	.000009	32	18	29.34475	.00014	-.039	35	246
CTA26	03	39	30.937666	.000005	-01	46	35.80128	.00013	.164	55	466
NRAO150	03	59	29.746933	.000008	50	57	50.16428	.00009	-.024	493	14371
0402-362	04	03	53.749889	.000010	-36	05	1.90979	.00035	-.258	64	142
0420-014	04	23	15.800590	.000000	-01	20	33.06187	.00009	.000	1046	25247
0422+004	04	24	46.841519	.000674	00	36	6.32262	.00690	.933	2	35
3C120	04	33	11.095324	.000022	05	21	15.62233	.00055	.257	36	478
0434-188	04	37	1.482620	.000011	-18	44	48.60924	.00025	-.045	60	145
0438-436	04	40	17.184819	.059088	-43	33	8.59034	.10338	1.000	1	2
0454-234	04	57	3.179131	.000003	-23	24	52.01606	.00010	-.007	657	7800
0458-020	05	01	12.809745	.000002	-01	59	14.25227	.00010	-.003	115	2088
0530-727	05	29	30.042419	.000054	-72	45	28.50416	.00026	-.358	21	72
0528-250	05	30	7.962709	.000048	-25	03	29.89895	.00211	-.666	5	12
0528+134	05	30	56.416591	.000001	13	31	55.15323	.00009	-.028	1450	37198
0537-441	05	38	50.361486	.000008	-44	05	8.93539	.00014	.092	99	565
0537-286	05	39	54.281380	.000021	-28	39	55.94315	.00034	.375	8	25
0552+398	05	55	30.805419	.000005	39	48	49.16858	.00009	-.017	1849	74033
0637-752	06	35	46.507919	.000025	-75	16	16.81194	.00011	-.003	55	802
0636+680	06	42	4.257264	.000052	67	58	35.62401	.00031	-.446	10	34
0642+449	06	46	32.025858	.000009	44	51	16.59360	.00013	-.017	22	125
0657+172	07	00	1.525399	.000005	17	09	21.70549	.00013	.260	53	291
0716+714	07	21	53.448401	.000025	71	20	36.36692	.00013	.213	105	354
0723-008	07	25	50.640650	.000660	-00	54	56.52933	.01040	.983	4	84
0727-115	07	30	19.112323	.000001	-11	41	12.59618	.00009	-.069	874	16856
0733-174	07	35	45.813877	.030823	-17	35	49.14416	1.28330	.911	2	3

Table 3.1 (continued)

VLBI Source Positions, epoch J2000, from Solution GLB907											
	Right Ascension				Declination				Correl	Observations	
CDP name	Hr	Min	Seconds	Sigma seconds	°	'	"	Sigma "	RA-Dec	Days	Delays
0735+178	07	38	7.393634	.000002	17	42	19.00214	.00009	-.003	203	5128
0738+313	07	41	10.703201	.000126	31	12	.23136	.00181	-.791	2	3
0742+103	07	45	33.059375	.000002	10	11	12.69646	.00009	.008	288	6026
0743-006	07	45	54.082564	.000491	-00	44	17.53204	.00760	.978	4	85
0745+241	07	48	36.109166	.000006	24	00	24.11388	.00012	.063	96	505
0748+126	07	50	52.045999	.000300	12	31	4.83793	.00442	.973	4	91
0754+100	07	57	6.642991	.000235	09	56	34.85739	.00326	.964	4	111
0814+425	08	18	15.999569	.000008	42	22	45.41853	.00010	.085	89	973
0820+560	08	24	47.236308	.000049	55	52	42.67322	.00034	-.010	1	26
0823+033	08	25	50.338227	.000002	03	09	24.52406	.00009	-.056	146	3051
0831+557	08	34	55.499219	.049377	55	34	21.12367	5.58553	.097	1	9
OJ287	08	54	48.874829	.000002	20	06	30.64425	.00009	-.013	1675	50786
0859+470	09	03	3.990096	.000011	46	51	4.14053	.00015	.200	82	299
0919-260	09	21	29.353636	.000007	-26	18	43.38259	.00023	-.300	76	623
4C39.25	09	27	3.013873	.000005	39	02	20.85496	.00009	.007	1749	67915
0925-203	09	27	51.824122	.000025	-20	34	51.22918	.00092	-.450	23	41
OK290	09	56	49.875315	.000003	25	15	16.05249	.00010	.005	58	1368
0955+476	09	58	19.671684	.000007	47	25	7.84516	.00009	.010	39	1414
0954+658	09	58	47.245334	.000013	65	33	54.82065	.00009	.012	170	5550
1021-006	10	24	29.586232	.000080	-00	52	55.49957	.00194	.798	6	9
1032-199	10	35	2.155127	.000055	-20	11	34.35732	.00037	-.337	2	17
1034-293	10	37	16.079486	.000004	-29	34	2.81034	.00010	-.074	434	3157
1038+52A	10	41	46.781761	.000015	52	33	28.23360	.00021	.149	17	78
1038+52B	10	41	48.897927	.000399	52	33	55.61053	.00133	.700	11	3
1053+815	10	58	11.536367	.000082	81	14	32.67650	.00021	.052	10	59
1055+018	10	58	29.605080	.000002	01	33	58.82594	.00010	-.140	214	3746
1057-797	10	58	43.508608	.000041	-80	03	54.15762	.00011	-.018	57	745
1104-445	11	07	8.693827	.000009	-44	49	7.61650	.00013	-.004	65	429
1123+264	11	25	53.711887	.000007	26	10	19.98041	.00014	.106	61	323
1124-186	11	27	4.392228	.000007	-18	57	17.43976	.00029	-.419	73	224
1127-145	11	30	7.056643	.003241	-14	49	27.34705	.03255	.909	3	9
1128+385	11	30	53.282647	.000007	38	15	18.54909	.00013	.131	17	307
1144+402	11	46	58.297962	.000006	39	58	34.30583	.00010	.008	125	1796
1144-379	11	47	1.370363	.000025	-38	12	11.02074	.00042	-.609	29	49
1145-071	11	47	51.553881	.000011	-07	24	41.13926	.00020	-.034	17	110
1148-001	11	50	43.870685	.000076	-00	23	54.20289	.00051	-.372	1	12
1150+812	11	53	12.500480	.000079	80	58	29.15519	.00021	.145	7	76
1156+295	11	59	31.833900	.000003	29	14	43.82804	.00009	-.004	204	6021
1219+285	12	21	31.690531	.000017	28	13	58.50166	.00062	-.662	2	102
1222+037	12	24	52.421770	.000015	03	30	50.29439	.00044	.534	42	90
3C273B	12	29	6.699596	.000001	02	03	8.59933	.00009	-.055	1042	26709
3C274	12	30	49.423288	.000046	12	23	28.04543	.00051	.058	1	10
1244-255	12	46	46.801787	.000010	-25	47	49.28770	.00027	-.326	34	104
1252+119	12	54	38.255497	.000019	11	41	5.89561	.00028	.389	10	41
3C279	12	56	11.166344	.000003	-05	47	21.52368	.00011	.109	203	4077
1257+145	13	00	20.918745	.000063	14	17	18.53101	.00122	.561	6	17
1308+326	13	10	28.663861	.000004	32	20	43.78293	.00009	-.026	314	10322
1313-333	13	16	7.985675	.000025	-33	38	59.17182	.00055	-.268	60	48
3C286	13	31	8.249965	.062153	30	30	34.69760	.77670	.570	5	33
1334-127	13	37	39.782588	.000002	-12	57	24.69289	.00009	-.037	636	10648
1351-018	13	54	6.895154	.000031	-02	06	3.19064	.00039	-.074	7	24
1354+195	13	57	4.436608	.000005	19	19	7.37144	.00012	-.113	29	984
1354-152	13	57	11.244778	.000007	-15	27	28.78633	.00020	-.108	79	238
1402-012	14	04	45.895504	.000193	-01	30	21.94848	.00192	.428	2	7
1402+044	14	05	1.119690	.000021	04	15	35.81896	.00081	.108	4	21
OQ208	14	07	.394392	.000003	28	27	14.68918	.00009	-.041	1140	32857
1409+218	14	11	54.861957	.000087	21	34	23.43978	.00272	-.709	1	18

Table 3.1 (continued)

VLBI Source Positions, epoch J2000, from Solution GLB907											
	Right Ascension				Declination				Correl	Observations	
CDP name	Hr	Min	Seconds	Sigma seconds	°	'	"	Sigma "	RA-Dec	Days	Delays
1418+546	14	19	46.597572	.000009	54	23	14.78611	.00009	-.019	123	1978
1417+273	14	19	59.297029	.000059	27	06	25.55255	.00151	-.586	1	27
1420+326	14	22	30.378776	.000193	32	23	10.41765	.00632	.394	1	6
1424+240	14	27	.391802	.000055	23	48	.03392	.00127	-.599	1	37
1424-418	14	27	56.297232	.000009	-42	06	19.43806	.00015	.086	76	453
1432+200	14	34	39.793251	.000208	19	52	.73726	.00146	.246	1	13
1433+304	14	35	35.402106	.000116	30	12	24.51982	.00406	-.082	1	9
OQ172	14	45	16.465145	.000035	09	58	36.07195	.00037	.653	12	56
1502+106	15	04	24.979682	.000002	10	29	39.19718	.00009	-.056	525	11355
1510-089	15	12	50.532755	.000002	-09	05	59.83050	.00010	-.001	233	3147
1519-273	15	22	37.675754	.000010	-27	30	10.78652	.00024	-.240	67	119
1548+056	15	50	35.269124	.000002	05	27	10.44631	.00010	.011	191	4776
1606+106	16	08	46.203067	.000002	10	29	7.77367	.00009	-.015	121	3060
CTD93	16	09	13.321098	.001117	26	41	28.99200	.03141	.832	1	8
1611+343	16	13	41.064219	.000004	34	12	47.90662	.00009	-.027	593	18979
1614+051	16	16	37.556703	.000013	04	59	32.73456	.00024	.149	11	73
1610-771	16	17	49.275625	.000033	-77	17	18.46993	.00012	.031	50	489
1622-253	16	25	46.891431	.000003	-25	27	38.32857	.00010	.015	408	5055
1624+416	16	25	57.669262	.000717	41	34	40.62713	.00171	-.082	2	37
1622-297	16	26	6.020669	.000041	-29	51	26.97112	.00172	-.554	1	70
1633+38	16	35	15.492941	.000005	38	08	4.49803	.00009	-.028	394	12228
1637+574	16	38	13.456382	.000009	57	20	23.97642	.00009	.021	256	3195
NRAO512	16	40	29.632739	.000006	39	46	46.02600	.00010	.012	27	922
1642+690	16	42	7.848707	.000019	68	56	39.75358	.00011	.052	116	1575
3C345	16	42	58.809930	.000005	39	48	36.99131	.00009	-.025	1079	41810
DA426	16	53	52.217070	.000882	39	45	36.60440	.00299	-.752	2	38
1656+053	16	58	33.447211	.000024	05	15	16.44142	.00042	.785	12	278
NRAO530	17	33	2.705622	.000002	-13	04	49.55069	.00010	.028	562	13935
1739+522	17	40	36.977818	.000007	52	11	43.40442	.00009	-.008	627	31655
1741-038	17	43	58.855997	.000001	-03	50	4.61930	.00009	.045	975	22985
1745+624	17	46	14.034155	.000065	62	26	54.73541	.00043	.188	3	20
1749+701	17	48	32.840118	.000137	70	05	50.76584	.00070	.093	5	108
1749+096	17	51	32.818449	.000002	09	39	.72552	.00009	.038	379	7272
1803+784	18	00	45.684068	.000027	78	28	4.01520	.00009	-.006	1354	58692
3C371	18	06	50.680911	.000432	69	49	28.10633	.00132	.744	4	92
1815-553	18	19	45.399321	.000017	-55	21	20.74852	.00016	.215	33	339
1821+107	18	24	2.855594	.000429	10	44	23.72972	.03155	-.961	2	9
1823+568	18	24	7.068290	.000015	56	51	1.48776	.00013	-.018	76	364
1830-21B	18	33	39.878450	.000833	-21	03	40.60713	.00235	-.737	2	4
1830-21A	18	33	39.930685	.000835	-21	03	39.82332	.00287	-.817	2	4
1831-711	18	37	28.715399	.000461	-71	08	43.55638	.00228	.231	1	10
3C390.3	18	42	8.990831	.000580	79	46	17.12476	.00094	-.352	1	9
1921-293	19	24	51.055827	.000004	-29	14	30.12352	.00010	-.003	661	9045
1923+210	19	25	59.605230	.000006	21	06	26.15885	.00014	.112	43	301
1928+738	19	27	48.494998	.000025	73	58	1.56673	.00010	.060	89	718
1943+228	19	46	6.253332	.001105	23	00	4.41021	.00476	-.036	6	5
1954+513	19	55	42.738062	.000022	51	31	48.54300	.00020	-.025	2	47
1958-179	20	00	57.090321	.000003	-17	48	57.67513	.00010	-.028	283	3239
2000-330	20	03	24.116017	.000265	-32	51	45.13667	.00417	.936	5	6
2007+777	20	05	30.998056	.000027	77	52	43.24438	.00009	.022	70	2640
2005+403	20	07	44.975304	.018551	40	29	48.10284	1.38493	.693	5	20
2008-159	20	11	15.710885	.000096	-15	46	40.26284	.00543	-.956	1	8
3C418	20	38	37.034509	.000008	51	19	12.65967	.00009	.041	170	2852
2113+293	21	15	29.413253	.000011	29	33	38.36443	.00028	.053	5	146
2121+053	21	23	44.517231	.000001	05	35	22.09089	.00009	.096	572	16284
2126-158	21	29	12.175799	.000018	-15	38	41.04258	.00045	.313	11	45
2128-123	21	31	35.261618	.000003	-12	07	4.79849	.00011	.014	257	2905

Table 3.1 (continued)

VLBI Source Positions, epoch J2000, from Solution GLB907											
	Right Ascension				Declination				Correl	Observations	
CDP name	Hr	Min	Seconds	Sigma seconds	°	'	"	Sigma "	RA-Dec	Days	Delays
2134+00	21	36	38.586177	.000001	00	41	54.21146	.00010	-.040	807	17552
2144+092	21	47	10.162739	.000261	09	29	46.66778	.00308	.935	4	94
2145+067	21	48	5.458518	.000001	06	57	38.60208	.00009	.094	507	11675
2155-152	21	58	6.281741	.000028	-15	01	9.33056	.00052	.584	2	16
VR422201	22	02	43.291101	.000005	42	16	39.97774	.00009	.041	788	21307
2201+315	22	03	14.975551	.000004	31	45	38.26772	.00009	.047	58	2483
2216-038	22	18	52.03760	.000001	-03	35	36.88102	.00009	.140	410	8642
CTA102	22	32	36.408734	.000005	11	43	50.90261	.00012	.366	109	1095
2234+282	22	36	22.470639	.000003	28	28	57.41161	.00009	.056	764	22588
2243-123	22	46	18.231886	.000006	-12	06	51.27866	.00020	-.169	40	178
3C454.3	22	53	57.747745	.000002	16	08	53.55939	.00009	.061	1058	30471
2253+417	22	55	36.707562	.000019	42	02	52.53130	.00032	-.122	28	139
2255-282	22	58	5.962847	.000003	-27	58	21.25737	.00010	.002	469	3970
2320-035	23	23	31.953848	.000222	-03	17	5.03967	.01723	-.881	2	36
2326-477	23	29	17.704416	.000019	-47	30	19.11559	.00036	.364	20	92
2345-167	23	48	2.608463	.000005	-16	31	12.02218	.00012	.034	110	734
2352+495	23	55	9.543781	.063837	49	50	9.32132	.86069	.370	4	12
2355-534	23	57	53.266237	.000037	-53	11	13.68989	.00057	.160	3	20
2355-106	23	58	10.882320	.000005	-10	20	8.61116	.00020	-.119	81	273

4.0 Site Positions and Velocities from Solution GLB907

Table 4.1 gives geocentric Cartesian positions in mm, velocities in mm/yr, 1-σ standard statistical errors, and their correlations (in lower triangular form) for each site in the VLBI reference frame at the site reference epoch January 1, 1988.

Table 4.2 gives total site velocities and 1-σ standard statistical errors in local East, North, and Up coordinates as well as the corresponding horizontal rates and azimuths for each site from GLB907. These velocities, rates, and azimuths are also given as corrections relative to NUVEL. The length, azimuth, and elevation for each axis of the velocity error ellipsoid are given. As in Table 4.1 the sigmas and error ellipsoid parameters for sites whose velocities were not adjusted are zero.

Table 4.3 is the correlation matrix of all Cartesian site positions and velocities for GLB907. This table consists of two parts. The upper part shows a number which is associated with each component or velocity, the name of the component or velocity, and its sigma. The lower part of the table is the actual correlation matrix in lower triangular form. The rows of the matrix wrap around every 20th element. Table 4.4 is only available in machine-readable form.

All sites with the exception of the special case of HRAS 085, that are in the solutions used to generate this annual report are included in tables 4.1, 4.2, and 4.3 regardless of whether or not observations were made at these stations in 1992. Some site velocities were not adjusted because of insufficient data, these were constrained to have zero velocities in Up, and the North and East velocities predicted by the NUVEL model with corresponding uncertainties in North and East of 3 mm/yr. Sites with constrained velocites may be identified by the code 'con' which appears in the lower left hand corner of each section in tables 4.1 and 4.2. WESTFORD, RICHMOND, and KAUAI were constrained to define the terrestrial reference frame and are identified by the code 'ref'. Other pairs or triplets of nearby sites were constrained to have identical Cartesian velocities which were otherwise unconstrained. These are identified by the code 'tie'. These are:

KASHIMA	KASHIM34	
SESHAN25	SHANGHAI	
KAUAI	HALEAKAL	
FORT_ORD	FORTORDS	
MOJAVE12	MOJ_7288	
OVRO_130	OVR_7853	OV-VLBA
ONSALA60	MV2ONSLA	
NRAO_140	NRAO85_1	
YELLOWKN	YLOW7296	

Table 4.1

Geocentric Cartesian Site Coordinates and Velocities from Global Solution 907

ALGOPARK Coordinate Reference Epoch = 88 01 01

7282	Value	Error	Correlation Matrix:					
X (mm)	918034838.6	.7	1.000					
Y (mm)	-4346132256.4	2.5	-.262	1.000				
Z (mm)	4561971106.0	2.4	.250	-.897	1.000			
X vel (mm/yr)	-17.6	.2	-.809	.197	-.161	1.000		
Y vel (mm/yr)	-3.3	.7	.195	-.865	.776	-.295	1.000	
Z vel (mm/yr)	3.6	.7	-.164	.771	-.852	.270	-.902	1.000
			X	Y	Z	X vel	Y vel	Z vel

AUSTINTX Coordinate Reference Epoch = 88 01 01

7271	Value	Error	Correlation Matrix:					
X (mm)	-737793810.2	4.0	1.000					
Y (mm)	-5459892254.1	16.5	.635	1.000				
Z (mm)	3202990456.2	9.8	-.575	-.882	1.000			
X vel (mm/yr)	-12.9	3.0	.349	-.009	.008	1.000		
Y vel (mm/yr)	-.7	1.6	-.067	.044	.121	-.192	1.000	
Z vel (mm/yr)	-4.2	2.6	.024	.043	.125	.068	.966	1.000
con			X	Y	Z	X vel	Y vel	Z vel

AZORES Coordinate Reference Epoch = 88 01 01

7609	Value	Error	Correlation Matrix:					
X (mm)	4552174615.0	13.3	1.000					
Y (mm)	-2186664915.6	13.5	-.012	1.000				
Z (mm)	3882779653.4	13.4	-.021	.004	1.000			
X vel (mm/yr)	-2.6	2.1	-.697	-.341	.613	1.000		
Y vel (mm/yr)	19.0	2.8	-.258	-.921	-.220	.370	1.000	
Z vel (mm/yr)	13.7	2.4	.549	-.260	-.779	-.787	.282	1.000
con			X	Y	Z	X vel	Y vel	Z vel

BERMUDA Coordinate Reference Epoch = 88 01 01

7294	Value	Error	Correlation Matrix:					
X (mm)	2307209488.1	5.1	1.000					
Y (mm)	-4874215866.8	10.7	-.835	1.000				
Z (mm)	3394317855.1	7.1	.734	-.858	1.000			
X vel (mm/yr)	-13.5	2.8	.224	.034	-.035	1.000		
Y vel (mm/yr)	-1.2	1.9	.103	.073	.109	.458	1.000	
Z vel (mm/yr)	7.4	2.5	-.055	.055	.145	-.246	.749	1.000
con			X	Y	Z	X vel	Y vel	Z vel

BLKBUTTE Coordinate Reference Epoch = 88 01 01

7269	Value	Error	Correlation Matrix:					
X (mm)	-2306306949.6	5.0	1.000					
Y (mm)	-4787914410.9	10.3	.951	1.000				
Z (mm)	3515736412.2	7.5	-.913	-.924	1.000			
X vel (mm/yr)	-17.1	3.3	.581	.564	-.528	1.000		
Y vel (mm/yr)	12.6	6.9	.556	.591	-.535	.959	1.000	
Z vel (mm/yr)	-12.6	4.9	-.534	-.551	.558	-.939	-.953	1.000
			X	Y	Z	X vel	Y vel	Z vel

BLOOMIND Coordinate Reference Epoch = 88 01 01

7291	Value	Error	Correlation Matrix:					
X (mm)	302384448.1	10.7	1.000					
Y (mm)	-4941699045.0	35.6	.044	1.000				
Z (mm)	4007908451.2	29.8	-.133	-.918	1.000			
X vel (mm/yr)	-15.9	3.0	.102	.001	-.001	1.000		
Y vel (mm/yr)	-1.1	1.9	.006	.020	.028	.058	1.000	
Z vel (mm/yr)	-.2	2.3	-.004	.019	.029	-.039	.995	1.000
con			X	Y	Z	X vel	Y vel	Z vel

BREST Coordinate Reference Epoch = 88 01 01

7604	Value	Error	Correlation Matrix:					
X (mm)	4228877221.0	12.0	1.000					
Y (mm)	-333104408.6	5.6	-.012	1.000				
Z (mm)	4747180906.8	12.6	.754	-.022	1.000			
X vel (mm/yr)	-10.8	2.2	-.313	-.041	.263	1.000		
Y vel (mm/yr)	18.8	3.0	-.014	-.898	-.016	.046	1.000	
Z vel (mm/yr)	11.0	2.0	.311	-.053	-.265	-.994	.059	1.000
con			X	Y	Z	X vel	Y vel	Z vel

Table 4.1 (continued)

Geocentric Cartesian Site Coordinates and Velocities from Global Solution 907

CARNUSTY Coordinate Reference Epoch = 88 01 01

7603

		Value	Error	Correlation Matrix:					
X	(mm)	3526416477.1	11.3	1.000					
Y	(mm)	-171421311.3	6.2	-.003	1.000				
Z	(mm)	5294098755.8	14.7	.747	-.004	1.000			
X vel	(mm/yr)	-12.7	2.5	-.364	-.014	.184	1.000		
Y vel	(mm/yr)	17.1	3.0	-.007	-.798	-.008	.018	1.000	
Z vel	(mm/yr)	9.0	1.7	.363	-.033	-.185	-.998	.040	1.000
con				X	Y	Z	X vel	Y vel	Z vel

CARROLGA Coordinate Reference Epoch = 88 01 01

7228

		Value	Error	Correlation Matrix:					
X	(mm)	453520621.6	9.5	1.000					
Y	(mm)	-5300506779.4	35.1	-.404	1.000				
Z	(mm)	3507207403.4	21.2	.475	-.910	1.000			
X vel	(mm/yr)	-14.1	3.0	.143	.002	-.003	1.000		
Y vel	(mm/yr)	-1.0	1.7	.015	.022	.053	.106	1.000	
Z vel	(mm/yr)	.3	2.5	-.007	.021	.054	-.047	.988	1.000
con				X	Y	Z	X vel	Y vel	Z vel

CHLBOLTN Coordinate Reference Epoch = 88 01 01

7215

		Value	Error	Correlation Matrix:					
X	(mm)	4008310192.8	18.2	1.000					
Y	(mm)	-100650988.0	21.8	-.018	1.000				
Z	(mm)	4943794691.9	16.3	-.598	-.026	1.000			
X vel	(mm/yr)	-12.0	2.3	.924	.013	-.831	1.000		
Y vel	(mm/yr)	18.3	3.0	.012	.989	.016	.013	1.000	
Z vel	(mm/yr)	10.1	1.9	-.923	.019	.831	-.999	.020	1.000
con				X	Y	Z	X vel	Y vel	Z vel

DEADMANL Coordinate Reference Epoch = 88 01 01

7267

		Value	Error	Correlation Matrix:					
X	(mm)	-2336819659.8	7.1	1.000					
Y	(mm)	-4732586959.7	13.3	.922	1.000				
Z	(mm)	3570329984.2	9.8	-.860	-.889	1.000			
X vel	(mm/yr)	-43.6	9.6	.455	.423	-.384	1.000		
Y vel	(mm/yr)	-40.1	18.6	.410	.437	-.387	.947	1.000	
Z vel	(mm/yr)	26.1	13.0	-.392	-.409	.427	-.899	-.940	1.000
				X	Y	Z	X vel	Y vel	Z vel

DSS15 Coordinate Reference Epoch = 88 01 01

7231

		Value	Error	Correlation Matrix:					
X	(mm)	-2353538752.1	3.4	1.000					
Y	(mm)	-4641649505.9	6.9	.873	1.000				
Z	(mm)	3676670003.9	6.2	-.728	-.836	1.000			
X vel	(mm/yr)	-14.2	3.8	-.708	-.655	.526	1.000		
Y vel	(mm/yr)	9.5	7.8	-.639	-.695	.607	.747	1.000	
Z vel	(mm/yr)	-6.2	8.2	.432	.505	-.586	-.635	-.870	1.000
				X	Y	Z	X vel	Y vel	Z vel

DSS15 Coordinate Reference Epoch = 88 01 01 Episodic date: 92 06 27

7231

		Value	Error	Correlation Matrix:					
X	(mm)	-2353538767.5	18.3	1.000					
Y	(mm)	-4641649519.8	36.7	.746	1.000				
Z	(mm)	3676670007.1	38.1	-.642	-.869	1.000			
X vel	(mm/yr)	-14.2	3.8	-.929	-.713	.611	1.000		
Y vel	(mm/yr)	9.5	7.8	-.695	-.952	.838	.747	1.000	
Z vel	(mm/yr)	-6.2	8.2	.590	.830	-.962	-.635	-.870	1.000
				X	Y	Z	X vel	Y vel	Z vel

DSS45 Coordinate Reference Epoch = 88 01 01

1642

		Value	Error	Correlation Matrix:					
X	(mm)	-4460934996.7	9.5	1.000					
Y	(mm)	2682765824.9	7.4	-.305	1.000				
Z	(mm)	-3674381603.4	6.8	.043	.170	1.000			
X vel	(mm/yr)	-40.9	2.5	-.726	.401	-.281	1.000		
Y vel	(mm/yr)	8.2	2.1	.322	-.394	.336	-.375	1.000	
Z vel	(mm/yr)	42.8	2.0	-.303	.319	-.272	.247	.166	1.000
				X	Y	Z	X vel	Y vel	Z vel

Table 4.1 (continued)

Geocentric Cartesian Site Coordinates and Velocities from Global Solution 907

DSS65 — Coordinate Reference Epoch = 88 01 01

1665	Value	Error	X	Y	Z	X vel	Y vel	Z vel
X (mm)	4849336784.2	3.7	1.000					
Y (mm)	-360489043.0	1.5	-.319	1.000				
Z (mm)	4114748706.3	4.8	.748	-.237	1.000			
X vel (mm/yr)	-16.4	2.0	-.755	.014	-.640	1.000		
Y vel (mm/yr)	21.7	.5	.007	-.458	.175	-.034	1.000	
Z vel (mm/yr)	5.1	2.2	-.698	.056	-.604	.937	-.015	1.000

EFLSBERG — Coordinate Reference Epoch = 88 01 01

7203	Value	Error	X	Y	Z	X vel	Y vel	Z vel
X (mm)	4033947605.7	2.7	1.000					
Y (mm)	486990286.7	1.3	-.254	1.000				
Z (mm)	4900430695.3	4.3	.593	-.279	1.000			
X vel (mm/yr)	-18.2	.6	-.201	.137	-.288	1.000		
Y vel (mm/yr)	18.7	.4	.041	-.327	.135	-.546	1.000	
Z vel (mm/yr)	5.5	1.0	-.186	.068	-.090	.592	-.421	1.000

ELY — Coordinate Reference Epoch = 88 01 01

7286	Value	Error	X	Y	Z	X vel	Y vel	Z vel
X (mm)	-2077236299.3	3.4	1.000					
Y (mm)	-4486712695.4	7.2	.921	1.000				
Z (mm)	4018753740.0	6.0	-.879	-.910	1.000			
X vel (mm/yr)	-18.4	2.2	-.228	-.229	.219	1.000		
Y vel (mm/yr)	6.7	4.8	-.234	-.225	.218	.936	1.000	
Z vel (mm/yr)	-13.2	4.0	.227	.224	-.217	-.928	-.954	1.000

FD-VLBA — Coordinate Reference Epoch = 88 01 01

7613	Value	Error	X	Y	Z	X vel	Y vel	Z vel
X (mm)	-1324009066.7	11.9	1.000					
Y (mm)	-5332181903.4	29.9	.600	1.000				
Z (mm)	3231962414.6	20.7	-.516	-.882	1.000			
X vel (mm/yr)	-18.3	2.5	-.997	-.601	.514	1.000		
Y vel (mm/yr)	-6.3	6.4	-.600	-.997	.883	.601	1.000	
Z vel (mm/yr)	6.4	4.4	.512	.882	-.996	-.513	-.886	1.000

FLAGSTAF — Coordinate Reference Epoch = 88 01 01

7261	Value	Error	X	Y	Z	X vel	Y vel	Z vel
X (mm)	-1923992669.7	4.0	1.000					
Y (mm)	-4850854506.7	9.4	.911	1.000				
Z (mm)	3658589291.3	7.2	-.871	-.914	1.000			
X vel (mm/yr)	-20.7	2.0	.161	.118	-.154	1.000		
Y vel (mm/yr)	-8.9	4.9	.112	.134	-.157	.928	1.000	
Z vel (mm/yr)	-1.2	3.7	-.136	-.145	.207	-.904	-.948	1.000

FORT ORD — Coordinate Reference Epoch = 88 01 01

7266	Value	Error	X	Y	Z	X vel	Y vel	Z vel
X (mm)	-2697026755.5	5.3	1.000					
Y (mm)	-4354393288.8	8.5	.950	1.000				
Z (mm)	3788077595.1	7.4	-.899	-.912	1.000			
X vel (mm/yr)	-33.0	2.7	.500	.471	-.439	1.000		
Y vel (mm/yr)	28.8	4.2	.474	.492	-.445	.958	1.000	
Z vel (mm/yr)	24.7	3.6	-.453	-.457	.474	-.940	-.951	1.000
tie								

FORTORDS — Coordinate Reference Epoch = 88 01 01

7241	Value	Error	X	Y	Z	X vel	Y vel	Z vel
X (mm)	-2699840248.6	7.1	1.000					
Y (mm)	-4359127064.6	11.3	.957	1.000				
Z (mm)	3781050945.3	9.4	-.919	-.932	1.000			
X vel (mm/yr)	-33.1	2.7	-.409	-.391	.396	1.000		
Y vel (mm/yr)	28.8	4.2	-.391	-.402	.402	.958	1.000	
Z vel (mm/yr)	24.8	3.6	.382	.386	-.418	-.940	-.951	1.000
tie								

Table 4.1 (continued)

Geocentric Cartesian Site Coordinates and Velocities from Global Solution 907

FORTORDS Coordinate Reference Epoch = 88 01 01 Episodic date: 89 10 01

7241		Value	Error	Correlation Matrix:					
X	(mm)	-2699840224.7	7.0	1.000					
Y	(mm)	-4359127042.6	11.1	.950	1.000				
Z	(mm)	3781050983.6	9.5	-.919	-.927	1.000			
X vel	(mm/yr)	-33.1	2.7	-.858	-.824	.798	1.000		
Y vel	(mm/yr)	28.8	4.2	-.821	-.852	.806	.958	1.000	
Z vel	(mm/yr)	24.8	3.6	.800	.810	-.839	-.940	-.951	1.000
tie				X	Y	Z	X vel	Y vel	Z vel

FTD 7900 Coordinate Reference Epoch = 88 01 01

7900		Value	Error	Correlation Matrix:					
X	(mm)	-1324227947.1	4.3	1.000					
Y	(mm)	-5332063042.7	13.0	.616	1.000				
Z	(mm)	3232023037.2	8.0	-.586	-.807	1.000			
X vel	(mm/yr)	-13.0	2.9	-.528	.031	-.031	1.000		
Y vel	(mm/yr)	-.6	1.7	.170	-.098	-.223	-.322	1.000	
Z vel	(mm/yr)	-6.4	2.6	-.066	-.088	-.248	.126	.899	1.000
con				X	Y	Z	X vel	Y vel	Z vel

GILCREEK Coordinate Reference Epoch = 88 01 01

7225		Value	Error	Correlation Matrix:					
X	(mm)	-2281547113.8	1.0	1.000					
Y	(mm)	-1453645022.0	1.5	.554	1.000				
Z	(mm)	5756993216.6	2.5	.118	-.609	1.000			
X vel	(mm/yr)	-22.2	.3	.089	.155	.219	1.000		
Y vel	(mm/yr)	-.3	.4	.087	.181	-.134	.441	1.000	
Z vel	(mm/yr)	-10.0	.6	.202	-.074	.268	.124	-.694	1.000
				X	Y	Z	X vel	Y vel	Z vel

GOLDVENU Coordinate Reference Epoch = 88 01 01

1513		Value	Error	Correlation Matrix:					
X	(mm)	-2351129117.7	1.4	1.000					
Y	(mm)	-4655477051.3	2.8	.702	1.000				
Z	(mm)	3660956893.4	2.9	-.695	-.706	1.000			
X vel	(mm/yr)	-16.4	.4	.109	.008	-.057	1.000		
Y vel	(mm/yr)	9.4	.9	-.005	.068	.033	.719	1.000	
Z vel	(mm/yr)	-6.6	.8	-.070	-.002	.038	-.693	-.852	1.000
				X	Y	Z	X vel	Y vel	Z vel

GORF7102 Coordinate Reference Epoch = 88 01 01

7102		Value	Error	Correlation Matrix:					
X	(mm)	1130686587.6	4.7	1.000					
Y	(mm)	-4831353058.6	16.5	-.749	1.000				
Z	(mm)	3994110878.5	13.7	.721	-.942	1.000			
X vel	(mm/yr)	-16.4	1.3	-.956	.710	-.682	1.000		
Y vel	(mm/yr)	3.4	4.5	.713	-.957	.897	-.735	1.000	
Z vel	(mm/yr)	2.9	3.7	-.693	.906	-.960	.711	-.936	1.000
				X	Y	Z	X vel	Y vel	Z vel

GRASSE Coordinate Reference Epoch = 88 01 01

7605		Value	Error	Correlation Matrix:					
X	(mm)	4581697795.9	7.0	1.000					
Y	(mm)	556125518.4	5.4	.018	1.000				
Z	(mm)	4389351353.9	7.9	.341	.037	1.000			
X vel	(mm/yr)	-12.8	2.1	-.509	.084	.461	1.000		
Y vel	(mm/yr)	19.6	3.0	.046	-.936	.039	-.090	1.000	
Z vel	(mm/yr)	10.9	2.2	.501	.078	-.468	-.985	-.084	1.000
con				X	Y	Z	X vel	Y vel	Z vel

HALEAKAL Coordinate Reference Epoch = 88 01 01

7120		Value	Error	Correlation Matrix:					
X	(mm)	-5465998471.3	14.1	1.000					
Y	(mm)	-2404408486.4	7.3	.902	1.000				
Z	(mm)	2242228438.1	7.3	-.778	-.703	1.000			
X vel	(mm/yr)	-15.3	.2	-.074	-.034	.135	1.000		
Y vel	(mm/yr)	65.0	.6	.041	.142	.037	-.259	1.000	
Z vel	(mm/yr)	31.7	.6	-.019	.100	.134	.521	.688	1.000
tie				X	Y	Z	X vel	Y vel	Z vel

Table 4.1 (continued)

Geocentric Cartesian Site Coordinates and Velocities from Global Solution 907

HARTRAO Coordinate Reference Epoch = 88 01 01

7232		Value	Error	Correlation Matrix:					
X	(mm)	5085442844.6	7.9	1.000					
Y	(mm)	2668263281.6	5.8	.059	1.000				
Z	(mm)	-2768697176.2	5.4	.230	.601	1.000			
X vel	(mm/yr)	-4.0	2.1	-.672	-.169	-.171	1.000		
Y vel	(mm/yr)	20.2	1.5	-.076	-.254	.148	-.001	1.000	
Z vel	(mm/yr)	12.8	1.3	-.069	.086	-.112	.091	.492	1.000
				X	Y	Z	X vel	Y vel	Z vel

HATCREEK Coordinate Reference Epoch = 88 01 01

7218		Value	Error	Correlation Matrix:					
X	(mm)	-2523969919.4	.8	1.000					
Y	(mm)	-4123506332.9	1.7	.679	1.000				
Z	(mm)	4147752584.3	2.3	-.544	-.534	1.000			
X vel	(mm/yr)	-21.0	.4	-.371	-.230	.206	1.000		
Y vel	(mm/yr)	7.7	.7	-.279	-.195	.246	.779	1.000	
Z vel	(mm/yr)	-6.7	.7	.257	.285	-.188	-.713	-.840	1.000
				X	Y	Z	X vel	Y vel	Z vel

HAYSTACK Coordinate Reference Epoch = 88 01 01

7205		Value	Error	Correlation Matrix:					
X	(mm)	1492404820.7	.4	1.000					
Y	(mm)	-4457266539.0	.8	-.592	1.000				
Z	(mm)	4296881704.7	.8	.583	-.838	1.000			
X vel	(mm/yr)	-16.8	.1	-.225	.098	-.076	1.000		
Y vel	(mm/yr)	-.5	.3	.094	-.296	.216	-.512	1.000	
Z vel	(mm/yr)	3.9	.3	-.068	.206	-.322	.473	-.784	1.000
				X	Y	Z	X vel	Y vel	Z vel

HN-VLBA Coordinate Reference Epoch = 88 01 01

7618		Value	Error	Correlation Matrix:					
X	(mm)	1446375209.4	13.9	1.000					
Y	(mm)	-4447939685.6	12.3	.153	1.000				
Z	(mm)	4322306053.8	12.0	-.161	.389	1.000			
X vel	(mm/yr)	-17.0	2.9	-.982	-.185	.185	1.000		
Y vel	(mm/yr)	-1.4	2.2	-.221	-.818	-.772	.225	1.000	
Z vel	(mm/yr)	4.3	2.2	.212	-.738	-.855	-.216	.902	1.000
con				X	Y	Z	X vel	Y vel	Z vel

HOBART26 Coordinate Reference Epoch = 88 01 01

7242		Value	Error	Correlation Matrix:					
X	(mm)	-3950236311.1	10.0	1.000					
Y	(mm)	2522347598.8	8.2	-.330	1.000				
Z	(mm)	-4311562910.9	8.1	.220	.001	1.000			
X vel	(mm/yr)	-44.1	2.5	-.742	.402	-.396	1.000		
Y vel	(mm/yr)	16.4	2.3	.324	-.433	.393	-.372	1.000	
Z vel	(mm/yr)	38.6	2.2	-.404	.390	-.498	.337	.046	1.000
				X	Y	Z	X vel	Y vel	Z vel

HOFN Coordinate Reference Epoch = 88 01 01

7635		Value	Error	Correlation Matrix:					
X	(mm)	2679650346.0	15.0	1.000					
Y	(mm)	-727916616.9	14.0	-.048	1.000				
Z	(mm)	5722807141.3	19.3	.245	-.095	1.000			
X vel	(mm/yr)	-11.9	2.7	-.830	-.051	.294	1.000		
Y vel	(mm/yr)	14.7	3.0	-.044	-.968	-.074	.053	1.000	
Z vel	(mm/yr)	7.5	1.3	.795	-.230	-.307	-.957	.238	1.000
con				X	Y	Z	X vel	Y vel	Z vel

HOHENFRG Coordinate Reference Epoch = 88 01 01

7600		Value	Error	Correlation Matrix:					
X	(mm)	3778215024.9	6.9	1.000					
Y	(mm)	698644560.0	5.0	-.006	1.000				
Z	(mm)	5074053529.4	8.1	.469	.020	1.000			
X vel	(mm/yr)	-15.0	2.4	-.523	.072	.323	1.000		
Y vel	(mm/yr)	17.6	3.0	.042	-.890	.048	-.081	1.000	
Z vel	(mm/yr)	8.8	1.8	.509	.130	-.331	-.974	-.146	1.000
con				X	Y	Z	X vel	Y vel	Z vel

Table 4.1 (continued)

Geocentric Cartesian Site Coordinates and Velocities from Global Solution 907

HOHNBERG Coordinate Reference Epoch = 88 01 01

7630		Value	Error	Correlation Matrix:					
X	(mm)	4213687390.3	17.0	1.000					
Y	(mm)	820422732.2	13.8	.043	1.000				
Z	(mm)	4702784174.9	18.3	.346	.052	1.000			
X vel	(mm/yr)	-14.5	2.3	-.591	.109	.475	1.000		
Y vel	(mm/yr)	18.7	3.0	.067	-.963	.070	-.114	1.000	
Z vel	(mm/yr)	9.7	2.0	.572	.137	-.491	-.967	-.143	1.000
con				X	Y	Z	X vel	Y vel	Z vel

JPL MV1 Coordinate Reference Epoch = 88 01 01

7263		Value	Error	Correlation Matrix:					
X	(mm)	-2493305984.6	4.7	1.000					
Y	(mm)	-4655197578.6	8.6	.953	1.000				
Z	(mm)	3565519326.6	6.6	-.908	-.914	1.000			
X vel	(mm/yr)	-35.9	2.2	.637	.609	-.571	1.000		
Y vel	(mm/yr)	18.5	4.1	.602	.622	-.566	.965	1.000	
Z vel	(mm/yr)	11.2	3.1	-.586	-.587	.596	-.947	-.958	1.000
				X	Y	Z	X vel	Y vel	Z vel

KARLBURG Coordinate Reference Epoch = 88 01 01

7632		Value	Error	Correlation Matrix:					
X	(mm)	3653204398.2	17.3	1.000					
Y	(mm)	884427367.4	14.1	.089	1.000				
Z	(mm)	5135732058.9	20.8	.412	.095	1.000			
X vel	(mm/yr)	-15.8	2.5	-.641	.093	.367	1.000		
Y vel	(mm/yr)	17.3	3.0	.062	-.954	.073	-.097	1.000	
Z vel	(mm/yr)	8.2	1.8	.614	.183	-.383	-.958	-.192	1.000
con				X	Y	Z	X vel	Y vel	Z vel

KASHIM34 Coordinate Reference Epoch = 88 01 01

1857		Value	Error	Correlation Matrix:					
X	(mm)	-3997649173.3	3.0	1.000					
Y	(mm)	3276690806.7	2.2	.044	1.000				
Z	(mm)	3724278962.1	5.3	-.414	.213	1.000			
X vel	(mm/yr)	-1.3	.8	.026	.577	.160	1.000		
Y vel	(mm/yr)	5.8	.5	.539	.016	-.033	.231	1.000	
Z vel	(mm/yr)	-12.6	1.4	.095	-.046	.368	-.156	.325	1.000
tie				X	Y	Z	X vel	Y vel	Z vel

KASHIMA Coordinate Reference Epoch = 88 01 01

1856		Value	Error	Correlation Matrix:					
X	(mm)	-3997892200.1	2.5	1.000					
Y	(mm)	3276581317.5	1.8	.441	1.000				
Z	(mm)	3724118359.1	5.0	-.337	.082	1.000			
X vel	(mm/yr)	-1.3	.8	.204	.563	.091	1.000		
Y vel	(mm/yr)	5.8	.5	.491	.235	.041	.232	1.000	
Z vel	(mm/yr)	-12.6	1.4	.034	.024	.436	-.156	.325	1.000
tie				X	Y	Z	X vel	Y vel	Z vel

KAUAI Coordinate Reference Epoch = 88 01 01

1311		Value	Error	Correlation Matrix:					
X	(mm)	-5543845990.3	2.1	1.000					
Y	(mm)	-2054564099.7	2.3	.593	1.000				
Z	(mm)	2387813804.5	3.7	-.697	-.167	1.000			
X vel	(mm/yr)	-10.9	.2	-.675	-.157	.324	1.000		
Y vel	(mm/yr)	66.1	.6	.380	.456	.070	-.260	1.000	
Z vel	(mm/yr)	31.6	.6	-.172	.285	.305	.522	.688	1.000
ref tie				X	Y	Z	X vel	Y vel	Z vel

KIRSBERG Coordinate Reference Epoch = 88 01 01

7631		Value	Error	Correlation Matrix:					
X	(mm)	3879830896.2	16.2	1.000					
Y	(mm)	987963115.9	13.6	-.012	1.000				
Z	(mm)	4948713312.4	18.2	.316	-.015	1.000			
X vel	(mm/yr)	-15.6	2.4	-.660	.117	.440	1.000		
Y vel	(mm/yr)	17.9	3.0	.079	-.978	.090	-.120	1.000	
Z vel	(mm/yr)	8.7	1.9	.628	.190	-.463	-.951	-.195	1.000
con				X	Y	Z	X vel	Y vel	Z vel

Table 4.1 (continued)

Geocentric Cartesian Site Coordinates and Velocities from Global Solution 907

KODIAK — Coordinate Reference Epoch = 88 01 01

7278		Value	Error	Correlation Matrix:					
X	(mm)	-3026940116.8	5.2	1.000					
Y	(mm)	-1575911756.4	3.6	.818	1.000				
Z	(mm)	5370362486.5	9.2	-.896	-.842	1.000			
X vel	(mm/yr)	-25.9	3.5	-.419	-.365	.416	1.000		
Y vel	(mm/yr)	3.6	2.2	-.404	-.489	.440	.853	1.000	
Z vel	(mm/yr)	5.0	6.0	.426	.409	-.440	-.955	-.883	1.000
				X	Y	Z	X vel	Y vel	Z vel

KP-VLBA — Coordinate Reference Epoch = 88 01 01

7610		Value	Error	Correlation Matrix:					
X	(mm)	-1995678583.0	13.5	1.000					
Y	(mm)	-5037317671.0	10.4	-.276	1.000				
Z	(mm)	3357328153.4	12.6	.147	.465	1.000			
X vel	(mm/yr)	-13.5	2.9	-.983	.349	-.193	1.000		
Y vel	(mm/yr)	-.6	1.8	.415	-.826	-.754	-.422	1.000	
Z vel	(mm/yr)	-8.8	2.5	-.202	-.661	-.942	.205	.801	1.000
con				X	Y	Z	X vel	Y vel	Z vel

KWAJAL26 — Coordinate Reference Epoch = 88 01 01

4968		Value	Error	Correlation Matrix:					
X	(mm)	-6143536449.9	10.4	1.000					
Y	(mm)	1363997304.1	3.9	-.412	1.000				
Z	(mm)	1034707430.6	5.9	-.495	.306	1.000			
X vel	(mm/yr)	19.8	4.7	.723	-.358	-.263	1.000		
Y vel	(mm/yr)	70.0	1.5	-.410	.656	.247	-.534	1.000	
Z vel	(mm/yr)	26.1	2.2	-.328	.267	.473	-.553	.423	1.000
				X	Y	Z	X vel	Y vel	Z vel

LA-VLBA — Coordinate Reference Epoch = 88 01 01

7611		Value	Error	Correlation Matrix:					
X	(mm)	-1449752300.3	3.0	1.000					
Y	(mm)	-4975298596.1	7.1	.624	1.000				
Z	(mm)	3709123946.6	5.9	-.608	-.871	1.000			
X vel	(mm/yr)	-16.1	.7	-.985	-.624	.585	1.000		
Y vel	(mm/yr)	7.0	1.7	-.620	-.967	.855	.611	1.000	
Z vel	(mm/yr)	-7.7	1.4	.593	.872	-.957	-.596	-.883	1.000
				X	Y	Z	X vel	Y vel	Z vel

LEONRDOK — Coordinate Reference Epoch = 88 01 01

7292		Value	Error	Correlation Matrix:					
X	(mm)	-522231585.1	3.9	1.000					
Y	(mm)	-5145676873.3	19.4	.530	1.000				
Z	(mm)	3720152329.5	12.9	-.494	-.891	1.000			
X vel	(mm/yr)	-14.8	3.0	.267	-.004	.004	1.000		
Y vel	(mm/yr)	-.9	1.8	-.030	.032	.065	-.112	1.000	
Z vel	(mm/yr)	-3.3	2.4	.016	.032	.066	.059	.985	1.000
con				X	Y	Z	X vel	Y vel	Z vel

MAMMOTHL — Coordinate Reference Epoch = 88 01 01

7259		Value	Error	Correlation Matrix:					
X	(mm)	-2448246739.9	15.4	1.000					
Y	(mm)	-4426738254.9	27.5	.969	1.000				
Z	(mm)	3875435853.9	23.4	-.943	-.954	1.000			
X vel	(mm/yr)	-17.2	5.9	.853	.819	-.794	1.000		
Y vel	(mm/yr)	25.5	10.5	.825	.851	-.802	.958	1.000	
Z vel	(mm/yr)	-13.8	8.8	-.813	-.816	.850	-.941	-.945	1.000
				X	Y	Z	X vel	Y vel	Z vel

MARCUS — Coordinate Reference Epoch = 88 01 01

7310		Value	Error	Correlation Matrix:					
X	(mm)	-5227446753.8	35.7	1.000					
Y	(mm)	2551379228.4	21.6	-.819	1.000				
Z	(mm)	2607604757.3	24.8	-.818	.781	1.000			
X vel	(mm/yr)	20.1	11.1	-.974	.812	.794	1.000		
Y vel	(mm/yr)	76.2	6.8	.807	-.970	-.765	-.824	1.000	
Z vel	(mm/yr)	36.7	7.7	.795	-.759	-.924	-.810	.789	1.000
				X	Y	Z	X vel	Y vel	Z vel

Table 4.1 (continued)

Geocentric Cartesian Site Coordinates and Velocities from Global Solution 907

MARPOINT Coordinate Reference Epoch = 88 01 01

7217		Value	Error	Correlation Matrix:					
X	(mm)	1106629376.6	1.1	1.000					
Y	(mm)	-4882907208.7	3.7	-.620	1.000				
Z	(mm)	3938086928.4	3.1	.539	-.887	1.000			
X vel	(mm/yr)	-16.6	.5	-.049	.118	-.164	1.000		
Y vel	(mm/yr)	1.8	1.6	.110	-.103	.111	-.749	1.000	
Z vel	(mm/yr)	.7	1.3	-.152	.106	-.114	.729	-.911	1.000
				X	Y	Z	X vel	Y vel	Z vel

MATERA Coordinate Reference Epoch = 88 01 01

7243		Value	Error	Correlation Matrix:					
X	(mm)	4641938978.4	9.0	1.000					
Y	(mm)	1393002772.0	3.4	.529	1.000				
Z	(mm)	4133325413.8	9.1	.835	.521	1.000			
X vel	(mm/yr)	-18.4	2.1	-.931	-.561	-.814	1.000		
Y vel	(mm/yr)	21.8	.8	-.547	-.867	-.468	.433	1.000	
Z vel	(mm/yr)	13.3	2.1	-.798	-.529	-.780	.830	.463	1.000
				X	Y	Z	X vel	Y vel	Z vel

MCD 7850 Coordinate Reference Epoch = 88 01 01

7850		Value	Error	Correlation Matrix:					
X	(mm)	-1330008156.1	3.6	1.000					
Y	(mm)	-5328391564.2	10.7	.545	1.000				
Z	(mm)	3236502720.2	6.9	-.544	-.797	1.000			
X vel	(mm/yr)	-13.0	2.9	-.617	.038	-.036	1.000		
Y vel	(mm/yr)	-.6	1.7	.199	-.118	-.259	-.322	1.000	
Z vel	(mm/yr)	-6.4	2.6	-.078	-.106	-.288	.126	.898	1.000
con				X	Y	Z	X vel	Y vel	Z vel

MEDICINA Coordinate Reference Epoch = 88 01 01

7230		Value	Error	Correlation Matrix:					
X	(mm)	4461370186.1	2.7	1.000					
Y	(mm)	919596579.5	1.2	-.165	1.000				
Z	(mm)	4449559112.4	4.2	.533	-.063	1.000			
X vel	(mm/yr)	-21.4	.9	-.543	-.183	-.464	1.000		
Y vel	(mm/yr)	20.6	.4	-.209	-.384	.002	-.235	1.000	
Z vel	(mm/yr)	5.8	1.1	-.407	-.170	-.167	.642	-.073	1.000
				X	Y	Z	X vel	Y vel	Z vel

METSHOVI Coordinate Reference Epoch = 88 01 01

7601		Value	Error	Correlation Matrix:					
X	(mm)	2890652922.3	8.2	1.000					
Y	(mm)	1310295152.7	5.9	.357	1.000				
Z	(mm)	5513958640.7	12.1	.652	.389	1.000			
X vel	(mm/yr)	-18.1	2.7	-.497	.079	.166	1.000		
Y vel	(mm/yr)	15.2	2.9	.053	-.749	.069	-.106	1.000	
Z vel	(mm/yr)	5.9	1.5	.441	.274	-.187	-.886	-.366	1.000
con				X	Y	Z	X vel	Y vel	Z vel

MILESMON Coordinate Reference Epoch = 88 01 01

7038		Value	Error	Correlation Matrix:					
X	(mm)	-1204438991.2	9.5	1.000					
Y	(mm)	-4239211096.8	30.7	.830	1.000				
Z	(mm)	4596266056.9	30.7	-.812	-.950	1.000			
X vel	(mm/yr)	-18.0	2.9	-.090	.004	-.004	1.000		
Y vel	(mm/yr)	-1.0	2.2	.015	-.021	-.018	-.170	1.000	
Z vel	(mm/yr)	-5.7	2.1	-.018	-.020	-.020	.202	.931	1.000
con				X	Y	Z	X vel	Y vel	Z vel

MIYAZAKI Coordinate Reference Epoch = 88 01 01

7312		Value	Error	Correlation Matrix:					
X	(mm)	-3582767782.1	16.2	1.000					
Y	(mm)	4052034110.6	17.8	-.859	1.000				
Z	(mm)	3369020686.0	16.2	-.857	.818	1.000			
X vel	(mm/yr)	-19.7	2.2	.062	.002	-.003	1.000		
Y vel	(mm/yr)	-7.5	2.1	.048	.023	-.054	.561	1.000	
Z vel	(mm/yr)	-12.0	2.3	.010	-.024	.057	.392	-.542	1.000
con				X	Y	Z	X vel	Y vel	Z vel

Table 4.1 (continued)

Geocentric Cartesian Site Coordinates and Velocities from Global Solution 907

MIZUSGSI Coordinate Reference Epoch = 88 01 01

7314		Value	Error	Correlation Matrix:					
X	(mm)	-3862411794.6	11.4	1.000					
Y	(mm)	3105015094.4	11.3	.178	1.000				
Z	(mm)	4001944971.9	13.7	.109	-.086	1.000			
X vel	(mm/yr)	-14.6	2.4	-.788	-.366	-.397	1.000		
Y vel	(mm/yr)	-.8	2.6	-.329	-.875	.290	.420	1.000	
Z vel	(mm/yr)	-13.5	2.3	-.489	.398	-.641	.618	-.454	1.000
con				X	Y	Z	X vel	Y vel	Z vel

MOJ 7288 Coordinate Reference Epoch = 88 01 01

7288		Value	Error	Correlation Matrix:					
X	(mm)	-2356494100.0	5.7	1.000					
Y	(mm)	-4646607661.7	10.8	.950	1.000				
Z	(mm)	3668426611.9	8.2	-.900	-.923	1.000			
X vel	(mm/yr)	-16.5	.1	-.043	-.029	.043	1.000		
Y vel	(mm/yr)	8.9	.4	-.027	.000	.066	.412	1.000	
Z vel	(mm/yr)	-5.8	.3	.014	.031	-.051	-.474	-.660	1.000
tie				X	Y	Z	X vel	Y vel	Z vel

MOJAVE12 Coordinate Reference Epoch = 88 01 01

7222		Value	Error	Correlation Matrix:					
X	(mm)	-2356170980.4	.5	1.000					
Y	(mm)	-4646755868.1	1.3	.249	1.000				
Z	(mm)	3668470597.6	1.9	-.724	-.382	1.000			
X vel	(mm/yr)	-16.5	.1	-.563	-.270	.197	1.000		
Y vel	(mm/yr)	8.9	.4	-.350	-.017	.287	.413	1.000	
Z vel	(mm/yr)	-5.8	.3	.203	.285	-.230	-.476	-.660	1.000
tie				X	Y	Z	X vel	Y vel	Z vel

MOJAVE12 Coordinate Reference Epoch = 88 01 01 Episodic date: 92 06 27

7222		Value	Error	Correlation Matrix:					
X	(mm)	-2356171001.3	1.5	1.000					
Y	(mm)	-4646755869.3	2.9	.661	1.000				
Z	(mm)	3668470593.1	3.1	-.671	-.697	1.000			
X vel	(mm/yr)	-16.5	.1	-.355	-.231	.231	1.000		
Y vel	(mm/yr)	8.9	.4	-.181	-.102	.267	.413	1.000	
Z vel	(mm/yr)	-5.8	.3	.151	.219	-.253	-.476	-.660	1.000
tie				X	Y	Z	X vel	Y vel	Z vel

MON PEAK Coordinate Reference Epoch = 88 01 01

7274		Value	Error	Correlation Matrix:					
X	(mm)	-2386289400.5	2.4	1.000					
Y	(mm)	-4802346550.1	4.8	.912	1.000				
Z	(mm)	3444883959.2	3.8	-.863	-.839	1.000			
X vel	(mm/yr)	-35.0	1.2	.372	.356	-.291	1.000		
Y vel	(mm/yr)	31.4	2.5	.341	.374	-.279	.951	1.000	
Z vel	(mm/yr)	8.3	1.8	-.315	-.325	.286	-.925	-.956	1.000
				X	Y	Z	X vel	Y vel	Z vel

MV2ONSLA Coordinate Reference Epoch = 88 01 01

7211		Value	Error	Correlation Matrix:					
X	(mm)	3370642108.2	2.6	1.000					
Y	(mm)	711865926.4	1.2	.121	1.000				
Z	(mm)	5349796063.6	4.7	.636	-.060	1.000			
X vel	(mm/yr)	-15.0	.5	.067	.006	-.102	1.000		
Y vel	(mm/yr)	16.1	.3	-.096	.022	-.059	-.691	1.000	
Z vel	(mm/yr)	8.8	.8	.027	-.181	.184	.359	-.690	1.000
tie				X	Y	Z	X vel	Y vel	Z vel

NL-VLBA Coordinate Reference Epoch = 88 01 01

7612		Value	Error	Correlation Matrix:					
X	(mm)	-130872175.8	14.1	1.000					
Y	(mm)	-4762317119.3	11.1	.000	1.000				
Z	(mm)	4226851019.7	11.5	-.003	.573	1.000			
X vel	(mm/yr)	-16.7	3.0	-.991	.019	-.017	1.000		
Y vel	(mm/yr)	-1.1	2.0	.023	-.841	-.906	-.023	1.000	
Z vel	(mm/yr)	-1.8	2.2	-.018	-.841	-.906	.018	.999	1.000
con				X	Y	Z	X vel	Y vel	Z vel

Table 4.1 (continued)

Geocentric Cartesian Site Coordinates and Velocities from Global Solution 907

NOBEY 6M — Coordinate Reference Epoch = 88 01 01

7244		Value	Error	Correlation Matrix:					
X	(mm)	-3871168174.1	10.6	1.000					
Y	(mm)	3428274042.1	10.2	-.409	1.000				
Z	(mm)	3723697735.3	12.7	-.444	.425	1.000			
X vel	(mm/yr)	-11.4	2.1	-.446	-.289	-.247	1.000		
Y vel	(mm/yr)	1.9	2.2	-.231	-.539	.198	.472	1.000	
Z vel	(mm/yr)	-13.6	2.2	-.225	.223	-.434	.550	-.478	1.000
con				X	Y	Z	X vel	Y vel	Z vel

NOME — Coordinate Reference Epoch = 88 01 01

7279		Value	Error	Correlation Matrix:					
X	(mm)	-2658150369.0	6.9	1.000					
Y	(mm)	-693821878.3	3.2	.714	1.000				
Z	(mm)	5737236630.6	13.1	-.882	-.644	1.000			
X vel	(mm/yr)	-28.9	2.8	-.024	-.122	-.097	1.000		
Y vel	(mm/yr)	-5.7	1.2	-.131	-.104	-.023	.766	1.000	
Z vel	(mm/yr)	-3.0	5.4	-.094	-.013	.169	-.901	-.691	1.000
				X	Y	Z	X vel	Y vel	Z vel

NOTO — Coordinate Reference Epoch = 88 01 01

7547		Value	Error	Correlation Matrix:					
X	(mm)	4934563320.4	6.0	1.000					
Y	(mm)	1321201027.9	2.4	.356	1.000				
Z	(mm)	3806484348.7	6.3	.758	.408	1.000			
X vel	(mm/yr)	-21.8	2.1	-.851	-.435	-.690	1.000		
Y vel	(mm/yr)	18.2	.8	-.441	-.753	-.309	.356	1.000	
Z vel	(mm/yr)	13.4	1.9	-.733	-.430	-.611	.831	.435	1.000
				X	Y	Z	X vel	Y vel	Z vel

NRAO 140 — Coordinate Reference Epoch = 88 01 01

7204		Value	Error	Correlation Matrix:					
X	(mm)	882879958.9	.7	1.000					
Y	(mm)	-4924482333.7	2.3	-.452	1.000				
Z	(mm)	3944130633.9	2.0	.383	-.871	1.000			
X vel	(mm/yr)	-16.5	.1	-.255	.137	-.133	1.000		
Y vel	(mm/yr)	-.1	.5	.132	-.285	.279	-.472	1.000	
Z vel	(mm/yr)	1.4	.4	-.122	.280	-.300	.422	-.878	1.000
tie				X	Y	Z	X vel	Y vel	Z vel

NRAO85 1 — Coordinate Reference Epoch = 88 01 01

7248		Value	Error	Correlation Matrix:					
X	(mm)	883555625.2	1.0	1.000					
Y	(mm)	-4924490916.9	3.7	-.482	1.000				
Z	(mm)	3943961914.1	3.2	.408	-.844	1.000			
X vel	(mm/yr)	-16.5	.1	-.448	.232	-.202	1.000		
Y vel	(mm/yr)	-.1	.5	.226	-.486	.431	-.471	1.000	
Z vel	(mm/yr)	1.4	.4	-.196	.431	-.486	.420	-.878	1.000
tie				X	Y	Z	X vel	Y vel	Z vel

NRAO85 3 — Coordinate Reference Epoch = 88 01 01

7214		Value	Error	Correlation Matrix:					
X	(mm)	882325647.2	.9	1.000					
Y	(mm)	-4925138003.6	2.7	-.259	1.000				
Z	(mm)	3943397619.4	2.3	.143	-.833	1.000			
X vel	(mm/yr)	-19.2	.2	-.937	.249	-.166	1.000		
Y vel	(mm/yr)	-1.6	.7	.237	-.955	.797	-.271	1.000	
Z vel	(mm/yr)	4.3	.6	-.164	.790	-.944	.203	-.830	1.000
				X	Y	Z	X vel	Y vel	Z vel

OCOTILLO — Coordinate Reference Epoch = 88 01 01

7270		Value	Error	Correlation Matrix:					
X	(mm)	-2335601158.1	14.6	1.000					
Y	(mm)	-4832244130.1	25.4	.746	1.000				
Z	(mm)	3434392594.8	18.9	-.688	-.806	1.000			
X vel	(mm/yr)	-31.9	2.8	.554	-.083	.082	1.000		
Y vel	(mm/yr)	28.7	1.9	-.247	.215	.290	-.450	1.000	
Z vel	(mm/yr)	18.8	2.5	.144	.171	.375	.256	.748	1.000
con				X	Y	Z	X vel	Y vel	Z vel

Table 4.1 (continued)

Geocentric Cartesian Site Coordinates and Velocities from Global Solution 907

ONSALA60 Coordinate Reference Epoch = 88 01 01

7213	Value	Error	Correlation Matrix:					
X (mm)	3370606187.1	1.5	1.000					
Y (mm)	711917294.0	.9	-.533	1.000				
Z (mm)	5349830651.4	3.2	.164	-.705	1.000			
X vel (mm/yr)	-15.0	.5	.116	.008	-.149	1.000		
Y vel (mm/yr)	16.1	.3	-.164	.029	-.086	-.691	1.000	
Z vel (mm/yr)	8.8	.8	.047	-.229	.269	.359	-.690	1.000
tie			X	Y	Z	X vel	Y vel	Z vel

OV-VLBA Coordinate Reference Epoch = 88 01 01

7616	Value	Error	Correlation Matrix:					
X (mm)	-2409150034.1	3.7	1.000					
Y (mm)	-4478573301.1	7.1	.770	1.000				
Z (mm)	3838617432.3	6.3	-.773	-.882	1.000			
X vel (mm/yr)	-19.0	.3	-.384	-.336	.328	1.000		
Y vel (mm/yr)	9.7	.7	-.318	-.364	.348	.728	1.000	
Z vel (mm/yr)	-5.0	.6	.269	.353	-.430	-.706	-.801	1.000
tie			X	Y	Z	X vel	Y vel	Z vel

OVR 7853 Coordinate Reference Epoch = 88 01 01

7853	Value	Error	Correlation Matrix:					
X (mm)	-2410421218.9	3.7	1.000					
Y (mm)	-4477800396.8	6.7	.886	1.000				
Z (mm)	3838690319.2	5.5	-.807	-.841	1.000			
X vel (mm/yr)	-19.0	.3	.065	.053	-.064	1.000		
Y vel (mm/yr)	9.7	.7	.038	.066	-.020	.728	1.000	
Z vel (mm/yr)	-5.0	.6	-.046	-.026	.042	-.706	-.801	1.000
tie			X	Y	Z	X vel	Y vel	Z vel

OVRO 130 Coordinate Reference Epoch = 88 01 01

7207	Value	Error	Correlation Matrix:					
X (mm)	-2409600737.0	1.2	1.000					
Y (mm)	-4478349524.1	2.3	.771	1.000				
Z (mm)	3838603205.4	2.6	-.721	-.661	1.000			
X vel (mm/yr)	-19.0	.3	.638	.536	-.410	1.000		
Y vel (mm/yr)	9.7	.7	.454	.532	-.290	.728	1.000	
Z vel (mm/yr)	-5.0	.6	-.449	-.395	.360	-.706	-.801	1.000
tie			X	Y	Z	X vel	Y vel	Z vel

PBLOSSOM Coordinate Reference Epoch = 88 01 01

7254	Value	Error	Correlation Matrix:					
X (mm)	-2464070915.9	7.3	1.000					
Y (mm)	-4649425614.3	13.8	.957	1.000				
Z (mm)	3593905689.2	10.3	-.913	-.927	1.000			
X vel (mm/yr)	-21.1	3.1	.742	.712	-.675	1.000		
Y vel (mm/yr)	25.9	5.9	.713	.744	-.687	.963	1.000	
Z vel (mm/yr)	-3.0	4.4	-.680	-.691	.724	-.936	-.951	1.000
			X	Y	Z	X vel	Y vel	Z vel

PENTICTN Coordinate Reference Epoch = 88 01 01

7283	Value	Error	Correlation Matrix:					
X (mm)	-2058840387.5	7.8	1.000					
Y (mm)	-3621286382.7	12.8	.948	1.000				
Z (mm)	4814420748.5	16.6	-.947	-.966	1.000			
X vel (mm/yr)	-26.0	3.0	-.168	-.220	.180	1.000		
Y vel (mm/yr)	-13.7	5.0	-.218	-.266	.226	.951	1.000	
Z vel (mm/yr)	11.2	6.4	.179	.228	-.186	-.957	-.973	1.000
			X	Y	Z	X vel	Y vel	Z vel

PIETOWN Coordinate Reference Epoch = 88 01 01

7234	Value	Error	Correlation Matrix:					
X (mm)	-1640953649.3	.8	1.000					
Y (mm)	-5014816009.5	2.2	.535	1.000				
Z (mm)	3575411919.2	2.2	-.692	-.683	1.000			
X vel (mm/yr)	-15.0	.3	-.814	-.650	.468	1.000		
Y vel (mm/yr)	8.6	.9	-.616	-.757	.600	.683	1.000	
Z vel (mm/yr)	-14.0	.7	.579	.760	-.659	-.694	-.890	1.000
			X	Y	Z	X vel	Y vel	Z vel

Table 4.1 (continued)

Geocentric Cartesian Site Coordinates and Velocities from Global Solution 907

PINFLATS Coordinate Reference Epoch = 88 01 01

7256	Value	Error	Correlation Matrix:					
X (mm)	-2369635939.3	3.2	1.000					
Y (mm)	-4761324894.9	6.3	.917	1.000				
Z (mm)	3511116129.6	5.0	-.879	-.881	1.000			
X vel (mm/yr)	-26.5	1.9	.464	.418	-.393	1.000		
Y vel (mm/yr)	17.8	3.9	.415	.442	-.389	.946	1.000	
Z vel (mm/yr)	4.1	2.9	-.418	-.420	.422	-.929	-.953	1.000
			X	Y	Z	X vel	Y vel	Z vel

PLATTVIL Coordinate Reference Epoch = 88 01 01

7258	Value	Error	Correlation Matrix:					
X (mm)	-1240708125.5	1.6	1.000					
Y (mm)	-4720454347.6	5.0	.834	1.000				
Z (mm)	4094481640.2	4.3	-.794	-.907	1.000			
X vel (mm/yr)	-18.2	.9	.192	.126	-.123	1.000		
Y vel (mm/yr)	-2.3	2.7	.133	.139	-.135	.882	1.000	
Z vel (mm/yr)	-5.7	2.2	-.137	-.142	.161	-.853	-.956	1.000
			X	Y	Z	X vel	Y vel	Z vel

PRESIDIO Coordinate Reference Epoch = 88 01 01

7252	Value	Error	Correlation Matrix:					
X (mm)	-2707704857.3	3.5	1.000					
Y (mm)	-4257609579.9	5.5	.923	1.000				
Z (mm)	3888374172.0	5.2	-.861	-.868	1.000			
X vel (mm/yr)	-22.7	2.4	.197	.165	-.131	1.000		
Y vel (mm/yr)	26.5	3.7	.168	.176	-.123	.955	1.000	
Z vel (mm/yr)	6.6	3.3	-.148	-.138	.133	-.935	-.949	1.000
			X	Y	Z	X vel	Y vel	Z vel

PRESIDIO Coordinate Reference Epoch = 88 01 01 Episodic date: 89 10 01

7252	Value	Error	Correlation Matrix:					
X (mm)	-2707704843.5	8.5	1.000					
Y (mm)	-4257609561.9	13.1	.956	1.000				
Z (mm)	3888374139.8	11.8	-.928	-.940	1.000			
X vel (mm/yr)	-22.7	2.4	-.746	-.725	.691	1.000		
Y vel (mm/yr)	26.5	3.7	-.717	-.751	.704	.955	1.000	
Z vel (mm/yr)	6.6	3.3	.689	.709	-.724	-.935	-.949	1.000
			X	Y	Z	X vel	Y vel	Z vel

PT REYES Coordinate Reference Epoch = 88 01 01

7251	Value	Error	Correlation Matrix:					
X (mm)	-2732333089.3	3.5	1.000					
Y (mm)	-4217634872.6	5.4	.927	1.000				
Z (mm)	3914491040.0	5.3	-.870	-.874	1.000			
X vel (mm/yr)	-29.5	2.0	-.396	-.369	.345	1.000		
Y vel (mm/yr)	23.1	2.9	-.383	-.388	.363	.948	1.000	
Z vel (mm/yr)	21.5	2.8	.360	.365	-.365	-.934	-.949	1.000
			X	Y	Z	X vel	Y vel	Z vel

PVERDES Coordinate Reference Epoch = 88 01 01

7268	Value	Error	Correlation Matrix:					
X (mm)	-2525452792.1	5.7	1.000					
Y (mm)	-4670035656.4	10.5	.957	1.000				
Z (mm)	3522886751.7	7.9	-.921	-.930	1.000			
X vel (mm/yr)	-28.5	3.6	-.392	-.384	.357	1.000		
Y vel (mm/yr)	35.1	6.3	-.388	-.386	.362	.966	1.000	
Z vel (mm/yr)	7.4	4.7	.368	.367	-.361	-.943	-.960	1.000
			X	Y	Z	X vel	Y vel	Z vel

QUINCY Coordinate Reference Epoch = 88 01 01

7221	Value	Error	Correlation Matrix:					
X (mm)	-2517230874.5	2.7	1.000					
Y (mm)	-4198595196.7	4.6	.911	1.000				
Z (mm)	4076531266.3	4.5	-.842	-.857	1.000			
X vel (mm/yr)	-21.2	1.5	.055	.035	-.030	1.000		
Y vel (mm/yr)	11.6	2.5	.039	.039	-.016	.942	1.000	
Z vel (mm/yr)	-8.2	2.3	-.035	-.015	.034	-.923	-.953	1.000
			X	Y	Z	X vel	Y vel	Z vel

Table 4.1 (continued)

Geocentric Cartesian Site Coordinates and Velocities from Global Solution 907

RICHMOND Coordinate Reference Epoch = 88 01 01

7219	Value	Error	Correlation Matrix:					
X (mm)	961258065.3	.8	1.000					
Y (mm)	-5674090053.9	1.4	-.253	1.000				
Z (mm)	2740533736.8	1.0	-.024	-.890	1.000			
X vel (mm/yr)	-11.2	.0	.051	-.245	.024	1.000		
Y vel (mm/yr)	-.9	.1	.051	-.245	.024	1.000	1.000	
Z vel (mm/yr)	2.1	.1	.051	-.245	.024	1.000	1.000	1.000
ref			X	Y	Z	X vel	Y vel	Z vel

ROBLED32 Coordinate Reference Epoch = 88 01 01

1561	Value	Error	Correlation Matrix:					
X (mm)	4849245277.7	42.5	1.000					
Y (mm)	-360278393.8	8.6	-.253	1.000				
Z (mm)	4114884410.0	35.4	.964	-.361	1.000			
X vel (mm/yr)	-16.4	2.0	.216	.035	.272	1.000		
Y vel (mm/yr)	21.7	.5	.021	.142	.029	-.034	1.000	
Z vel (mm/yr)	5.1	2.2	.207	.021	.283	.937	-.015	1.000
			X	Y	Z	X vel	Y vel	Z vel

SAGARA Coordinate Reference Epoch = 88 01 01

7325	Value	Error	Correlation Matrix:					
X (mm)	-3913437668.9	25.8	1.000					
Y (mm)	3501122892.9	22.7	-.461	1.000				
Z (mm)	3608593675.8	26.9	-.474	.394	1.000			
X vel (mm/yr)	-13.0	2.4	-.450	-.275	-.241	1.000		
Y vel (mm/yr)	-.3	2.5	-.229	-.541	.204	.509	1.000	
Z vel (mm/yr)	-13.8	2.5	-.241	.245	-.449	.537	-.454	1.000
con			X	Y	Z	X vel	Y vel	Z vel

SANPAULA Coordinate Reference Epoch = 88 01 01

7255	Value	Error	Correlation Matrix:					
X (mm)	-2554476662.6	6.0	1.000					
Y (mm)	-4608627360.1	10.7	.956	1.000				
Z (mm)	3582138286.0	8.2	-.926	-.933	1.000			
X vel (mm/yr)	-36.8	3.5	-.256	-.265	.247	1.000		
Y vel (mm/yr)	19.5	6.2	-.267	-.286	.262	.965	1.000	
Z vel (mm/yr)	15.5	4.7	.250	.263	-.262	-.950	-.959	1.000
			X	Y	Z	X vel	Y vel	Z vel

SANTIA12 Coordinate Reference Epoch = 88 01 01

1404	Value	Error	Correlation Matrix:					
X (mm)	1769692903.9	12.9	1.000					
Y (mm)	-5044504427.4	12.0	.128	1.000				
Z (mm)	-3468435135.9	11.2	.121	-.471	1.000			
X vel (mm/yr)	3.4	2.6	-.918	-.251	-.150	1.000		
Y vel (mm/yr)	-5.2	1.7	-.350	-.623	.806	.380	1.000	
Z vel (mm/yr)	9.3	2.3	-.149	.522	-.945	.163	-.851	1.000
con			X	Y	Z	X vel	Y vel	Z vel

SEATTLE1 Coordinate Reference Epoch = 88 01 01

7229	Value	Error	Correlation Matrix:					
X (mm)	-2295347966.1	11.4	1.000					
Y (mm)	-3638029455.9	18.7	.936	1.000				
Z (mm)	4693408700.2	22.2	-.917	-.954	1.000			
X vel (mm/yr)	-10.2	5.0	-.556	-.525	.486	1.000		
Y vel (mm/yr)	13.3	8.3	-.527	-.563	.511	.936	1.000	
Z vel (mm/yr)	-23.9	10.0	.477	.500	-.492	-.923	-.957	1.000
			X	Y	Z	X vel	Y vel	Z vel

SESHAN25 Coordinate Reference Epoch = 88 01 01

7227	Value	Error	Correlation Matrix:					
X (mm)	-2831686555.1	5.2	1.000					
Y (mm)	4675733843.1	6.0	-.603	1.000				
Z (mm)	3275327843.3	7.2	-.557	.587	1.000			
X vel (mm/yr)	-29.1	1.8	-.605	.724	.467	1.000		
Y vel (mm/yr)	-11.0	2.3	.644	-.834	-.450	-.698	1.000	
Z vel (mm/yr)	-16.7	2.3	.440	-.531	-.228	-.549	.665	1.000
tie			X	Y	Z	X vel	Y vel	Z vel

Table 4.1 (continued)

Geocentric Cartesian Site Coordinates and Velocities from Global Solution 907

SEST Coordinate Reference Epoch = 88 01 01

7239		Value	Error	Correlation Matrix:					
X	(mm)	1838237805.3	11.9	1.000					
Y	(mm)	-5258699176.4	19.3	-.362	1.000				
Z	(mm)	-3100588905.0	11.8	-.172	.390	1.000			
X vel	(mm/yr)	.1	2.9	-.573	-.091	-.088	1.000		
Y vel	(mm/yr)	-5.0	1.7	-.247	-.215	.418	.436	1.000	
Z vel	(mm/yr)	8.5	2.6	-.100	.176	-.515	.168	-.813	1.000
con				X	Y	Z	X vel	Y vel	Z vel

SHANGHAI Coordinate Reference Epoch = 88 01 01

7226		Value	Error	Correlation Matrix:					
X	(mm)	-2847697938.3	107.0	1.000					
Y	(mm)	4659872757.5	94.7	-.935	1.000				
Z	(mm)	3283958752.2	85.4	-.956	.936	1.000			
X vel	(mm/yr)	-29.0	1.8	.022	-.021	-.017	1.000		
Y vel	(mm/yr)	-11.1	2.3	-.016	.036	.027	-.698	1.000	
Z vel	(mm/yr)	-16.7	2.3	-.013	.023	.040	-.549	.664	1.000
tie				X	Y	Z	X vel	Y vel	Z vel

SINTOTU Coordinate Reference Epoch = 88 01 01

7315		Value	Error	Correlation Matrix:					
X	(mm)	-3642141766.8	10.8	1.000					
Y	(mm)	2861496646.0	9.8	-.238	1.000				
Z	(mm)	4370361777.8	12.7	-.270	.222	1.000			
X vel	(mm/yr)	-16.0	2.5	-.588	-.243	-.290	1.000		
Y vel	(mm/yr)	-.6	2.7	-.205	-.701	.210	.348	1.000	
Z vel	(mm/yr)	-12.9	2.2	-.388	.334	-.440	.659	-.476	1.000
con				X	Y	Z	X vel	Y vel	Z vel

SNDPOINT Coordinate Reference Epoch = 88 01 01

7280		Value	Error	Correlation Matrix:					
X	(mm)	-3425461844.2	8.0	1.000					
Y	(mm)	-1214669091.4	4.9	.796	1.000				
Z	(mm)	5223858263.0	12.3	-.931	-.815	1.000			
X vel	(mm/yr)	-23.8	4.7	-.643	-.557	.630	1.000		
Y vel	(mm/yr)	5.2	2.7	-.593	-.742	.617	.813	1.000	
Z vel	(mm/yr)	-10.0	7.0	.640	.588	-.646	-.963	-.833	1.000
				X	Y	Z	X vel	Y vel	Z vel

SOURDOGH Coordinate Reference Epoch = 88 01 01

7281		Value	Error	Correlation Matrix:					
X	(mm)	-2419993437.6	8.5	1.000					
Y	(mm)	-1664228712.9	6.7	.763	1.000				
Z	(mm)	5643538244.7	19.7	-.900	-.891	1.000			
X vel	(mm/yr)	-27.4	3.9	.857	.677	-.795	1.000		
Y vel	(mm/yr)	6.6	3.0	.702	.817	-.777	.822	1.000	
Z vel	(mm/yr)	-20.8	9.1	-.793	-.745	.851	-.931	-.911	1.000
				X	Y	Z	X vel	Y vel	Z vel

SOURDOGH Coordinate Reference Epoch = 88 01 01 Episodic date: 87 12 01

7281		Value	Error	Correlation Matrix:					
X	(mm)	-2419993425.0	6.4	1.000					
Y	(mm)	-1664228738.0	4.8	.852	1.000				
Z	(mm)	5643538295.6	14.7	-.918	-.898	1.000			
X vel	(mm/yr)	-27.4	3.9	-.687	-.567	.655	1.000		
Y vel	(mm/yr)	6.6	3.0	-.572	-.667	.637	.822	1.000	
Z vel	(mm/yr)	-20.8	9.1	.655	.632	-.705	-.931	-.911	1.000
				X	Y	Z	X vel	Y vel	Z vel

TITIJIMA Coordinate Reference Epoch = 88 01 01

7316		Value	Error	Correlation Matrix:					
X	(mm)	-4489356650.1	20.3	1.000					
Y	(mm)	3482989584.6	16.8	-.910	1.000				
Z	(mm)	2887931233.9	19.0	-.763	.792	1.000			
X vel	(mm/yr)	16.9	1.8	-.057	-.068	-.098	1.000		
Y vel	(mm/yr)	20.5	2.0	.021	-.149	-.003	.558	1.000	
Z vel	(mm/yr)	1.5	2.5	-.085	.069	-.109	.588	-.343	1.000
con				X	Y	Z	X vel	Y vel	Z vel

Table 4.1 (continued)

Geocentric Cartesian Site Coordinates and Velocities from Global Solution 907

TOULOUSE Coordinate Reference Epoch = 88 01 01

7608		Value	Error	Correlation Matrix:					
X	(mm)	4627950112.9	16.6	1.000					
Y	(mm)	119843430.6	13.5	.002	1.000				
Z	(mm)	4372862910.1	17.0	.323	.014	1.000			
X vel	(mm/yr)	-11.3	2.1	-.542	.019	.557	1.000		
Y vel	(mm/yr)	19.8	3.0	.011	-.970	.010	-.020	1.000	
Z vel	(mm/yr)	11.5	2.2	.542	.017	-.557	-.999	-.018	1.000
con				X	Y	Z	X vel	Y vel	Z vel

TROMSONO Coordinate Reference Epoch = 88 01 01

7602		Value	Error	Correlation Matrix:					
X	(mm)	2102904245.5	9.6	1.000					
Y	(mm)	721602362.8	7.0	.345	1.000				
Z	(mm)	5958201278.7	21.8	.865	.381	1.000			
X vel	(mm/yr)	-21.5	2.6	-.883	-.320	-.807	1.000		
Y vel	(mm/yr)	22.3	1.7	-.370	-.927	-.430	.388	1.000	
Z vel	(mm/yr)	.9	6.1	-.769	-.361	-.879	.886	.431	1.000
				X	Y	Z	X vel	Y vel	Z vel

TRYSILNO Coordinate Reference Epoch = 88 01 01

7607		Value	Error	Correlation Matrix:					
X	(mm)	2988029301.7	10.6	1.000					
Y	(mm)	655956929.0	11.0	-.047	1.000				
Z	(mm)	5578669024.6	9.2	-.325	-.139	1.000			
X vel	(mm/yr)	-15.9	2.5	-.928	.048	.555	1.000		
Y vel	(mm/yr)	11.3	2.7	.043	-.986	.107	-.048	1.000	
Z vel	(mm/yr)	7.2	1.3	.901	.187	-.571	-.971	-.190	1.000
con				X	Y	Z	X vel	Y vel	Z vel

TSUKUBA Coordinate Reference Epoch = 88 01 01

7311		Value	Error	Correlation Matrix:					
X	(mm)	-3957172843.9	7.9	1.000					
Y	(mm)	3310237989.8	6.7	-.755	1.000				
Z	(mm)	3737709055.2	8.7	-.729	.682	1.000			
X vel	(mm/yr)	-1.3	2.9	-.613	.598	.484	1.000		
Y vel	(mm/yr)	5.8	2.4	.587	-.616	-.451	-.793	1.000	
Z vel	(mm/yr)	-12.6	3.0	.500	-.480	-.378	-.734	.738	1.000
				X	Y	Z	X vel	Y vel	Z vel

USSURISK Coordinate Reference Epoch = 88 01 01

7247		Value	Error	Correlation Matrix:					
X	(mm)	-3059721411.6	91.2	1.000					
Y	(mm)	3427253041.3	102.8	-.882	1.000				
Z	(mm)	4409480868.3	124.9	-.792	.794	1.000			
X vel	(mm/yr)	-22.3	2.6	-.121	-.036	-.038	1.000		
Y vel	(mm/yr)	-5.5	2.5	-.042	-.103	.045	.347	1.000	
Z vel	(mm/yr)	-11.2	2.2	-.064	.063	-.072	.527	-.614	1.000
con				X	Y	Z	X vel	Y vel	Z vel

USUDA64 Coordinate Reference Epoch = 88 01 01

7246		Value	Error	Correlation Matrix:					
X	(mm)	-3855355262.2	16.7	1.000					
Y	(mm)	3427427686.3	15.9	-.607	1.000				
Z	(mm)	3740971376.6	18.0	-.627	.579	1.000			
X vel	(mm/yr)	-20.7	2.4	-.370	-.198	-.192	1.000		
Y vel	(mm/yr)	-8.8	2.5	-.178	-.411	.161	.481	1.000	
Z vel	(mm/yr)	-13.2	2.4	-.204	.191	-.347	.553	-.464	1.000
con				X	Y	Z	X vel	Y vel	Z vel

VERNAL Coordinate Reference Epoch = 88 01 01

7290		Value	Error	Correlation Matrix:					
X	(mm)	-1631473289.8	3.9	1.000					
Y	(mm)	-4589128900.9	9.4	.915	1.000				
Z	(mm)	4106759865.3	7.8	-.882	-.936	1.000			
X vel	(mm/yr)	-18.4	2.3	-.460	-.437	.419	1.000		
Y vel	(mm/yr)	-9.9	5.9	-.427	-.458	.434	.923	1.000	
Z vel	(mm/yr)	-.3	5.1	.396	.419	-.434	-.900	-.955	1.000
				X	Y	Z	X vel	Y vel	Z vel

Table 4.1 (continued)

Geocentric Cartesian Site Coordinates and Velocities from Global Solution 907

VICTORIA	Coordinate Reference Epoch = 88 01 01								
7289		Value	Error	Correlation Matrix:					
X	(mm)	-2341310071.2	12.9	1.000					
Y	(mm)	-3539083842.9	17.3	.659	1.000				
Z	(mm)	4745768359.0	21.3	-.697	-.794	1.000			
X vel	(mm/yr)	-18.4	2.8	-.560	.098	-.108	1.000		
Y vel	(mm/yr)	-.9	2.5	.147	-.373	-.182	-.262	1.000	
Z vel	(mm/yr)	-9.7	2.0	-.248	-.279	-.243	.443	.749	1.000
con				X	Y	Z	X vel	Y vel	Z vel

VLA	Coordinate Reference Epoch = 88 01 01								
7619		Value	Error	Correlation Matrix:					
X	(mm)	-1601185256.8	43.5	1.000					
Y	(mm)	-5041977524.4	113.7	.393	1.000				
Z	(mm)	3554875977.2	86.6	-.307	-.942	1.000			
X vel	(mm/yr)	-14.2	2.9	.296	-.024	.022	1.000		
Y vel	(mm/yr)	-.7	1.8	-.098	.072	.111	-.333	1.000	
Z vel	(mm/yr)	-7.4	2.5	.052	.062	.127	.175	.870	1.000
con				X	Y	Z	X vel	Y vel	Z vel

VNDNBERG	Coordinate Reference Epoch = 88 01 01								
7223		Value	Error	Correlation Matrix:					
X	(mm)	-2678094734.3	.8	1.000					
Y	(mm)	-4525450801.7	1.7	.583	1.000				
Z	(mm)	3597410126.4	2.2	-.698	-.486	1.000			
X vel	(mm/yr)	-31.6	.4	-.105	-.055	.042	1.000		
Y vel	(mm/yr)	32.5	.8	-.095	.026	.130	.789	1.000	
Z vel	(mm/yr)	19.1	.6	.043	.113	-.072	-.785	-.818	1.000
				X	Y	Z	X vel	Y vel	Z vel

WESTFORD	Coordinate Reference Epoch = 88 01 01								
7209		Value	Error	Correlation Matrix:					
X	(mm)	1492206679.0	.0	1.000					
Y	(mm)	-4458130534.0	.0	.000	1.000				
Z	(mm)	4296015475.0	.0	.000	.000	1.000			
X vel	(mm/yr)	-16.9	.0	.000	.000	.000	1.000		
Y vel	(mm/yr)	-1.4	.0	.000	.000	.000	.000	1.000	
Z vel	(mm/yr)	4.4	.0	.000	.000	.000	.000	.000	1.000
ref				X	Y	Z	X vel	Y vel	Z vel

WETTZELL	Coordinate Reference Epoch = 88 01 01								
7224		Value	Error	Correlation Matrix:					
X	(mm)	4075540065.6	1.5	1.000					
Y	(mm)	931735041.5	.9	-.768	1.000				
Z	(mm)	4801629286.9	3.4	.180	-.477	1.000			
X vel	(mm/yr)	-18.2	.5	.087	-.034	-.189	1.000		
Y vel	(mm/yr)	18.6	.3	-.173	-.018	.056	-.856	1.000	
Z vel	(mm/yr)	6.4	.8	.081	-.156	.281	.319	-.531	1.000
				X	Y	Z	X vel	Y vel	Z vel

WHTHORSE	Coordinate Reference Epoch = 88 01 01								
7284		Value	Error	Correlation Matrix:					
X	(mm)	-2215213504.5	18.8	1.000					
Y	(mm)	-2209261521.2	15.2	.839	1.000				
Z	(mm)	5540292407.6	36.7	-.850	-.940	1.000			
X vel	(mm/yr)	17.3	8.7	.689	.709	-.724	1.000		
Y vel	(mm/yr)	39.2	8.2	.612	.785	-.736	.897	1.000	
Z vel	(mm/yr)	-77.8	19.6	-.628	-.740	.780	-.924	-.942	1.000
				X	Y	Z	X vel	Y vel	Z vel

WHTHORSE	Coordinate Reference Epoch = 88 01 01 Episodic date: 87 12 01								
7284		Value	Error	Correlation Matrix:					
X	(mm)	-2215213614.7	10.4	1.000					
Y	(mm)	-2209261620.6	9.9	.889	1.000				
Z	(mm)	5540292582.6	23.8	-.902	-.933	1.000			
X vel	(mm/yr)	17.3	8.7	-.888	-.787	.807	1.000		
Y vel	(mm/yr)	39.2	8.2	-.795	-.879	.829	.897	1.000	
Z vel	(mm/yr)	-77.8	19.6	.819	.833	-.888	-.924	-.942	1.000
				X	Y	Z	X vel	Y vel	Z vel

Table 4.1 (continued)

Geocentric Cartesian Site Coordinates and Velocities from Global Solution 907

YAKATAGA Coordinate Reference Epoch = 88 01 01

7277		Value	Error	Correlation Matrix:					
X	(mm)	-2529744182.0	7.6	1.000					
Y	(mm)	-1942091288.2	6.3	.856	1.000				
Z	(mm)	5505027980.6	15.7	-.901	-.915	1.000			
X vel	(mm/yr)	-29.9	4.4	.640	.567	-.604	1.000		
Y vel	(mm/yr)	20.9	3.6	.577	.602	-.581	.827	1.000	
Z vel	(mm/yr)	37.3	9.1	-.598	-.568	.632	-.908	-.926	1.000
				X	Y	Z	X vel	Y vel	Z vel

YAKATAGA Coordinate Reference Epoch = 88 01 01 Episodic date: 87 12 01

7277		Value	Error	Correlation Matrix:					
X	(mm)	-2529744199.7	7.5	1.000					
Y	(mm)	-1942091243.3	6.1	.838	1.000				
Z	(mm)	5505027844.0	15.7	-.896	-.911	1.000			
X vel	(mm/yr)	-29.9	4.4	-.765	-.622	.692	1.000		
Y vel	(mm/yr)	20.9	3.6	-.625	-.752	.706	.827	1.000	
Z vel	(mm/yr)	37.3	9.1	.697	.706	-.767	-.908	-.926	1.000
				X	Y	Z	X vel	Y vel	Z vel

YELLOWKN Coordinate Reference Epoch = 88 01 01

7285		Value	Error	Correlation Matrix:					
X	(mm)	-1224124481.3	2.9	1.000					
Y	(mm)	-2689530627.8	6.1	.840	1.000				
Z	(mm)	5633555314.1	12.4	-.821	-.924	1.000			
X vel	(mm/yr)	-22.9	.7	-.888	-.795	.818	1.000		
Y vel	(mm/yr)	-3.9	1.5	-.795	-.928	.882	.823	1.000	
Z vel	(mm/yr)	3.1	3.0	.818	.886	-.956	-.817	-.925	1.000
tie				X	Y	Z	X vel	Y vel	Z vel

YLOW7296 Coordinate Reference Epoch = 88 01 01

7296		Value	Error	Correlation Matrix:					
X	(mm)	-1224399403.3	2.9	1.000					
Y	(mm)	-2689273196.8	6.1	.840	1.000				
Z	(mm)	5633620227.1	12.4	-.821	-.924	1.000			
X vel	(mm/yr)	-22.9	.7	-.888	-.795	.818	1.000		
Y vel	(mm/yr)	-3.9	1.5	-.795	-.928	.882	.823	1.000	
Z vel	(mm/yr)	3.1	3.0	.818	.886	-.956	-.817	-.925	1.000
tie				X	Y	Z	X vel	Y vel	Z vel

YUMA Coordinate Reference Epoch = 88 01 01

7894		Value	Error	Correlation Matrix:					
X	(mm)	-2196777920.8	2.9	1.000					
Y	(mm)	-4887337039.6	6.3	.919	1.000				
Z	(mm)	3448425226.2	4.7	-.881	-.879	1.000			
X vel	(mm/yr)	-21.4	2.2	.566	.535	-.481	1.000		
Y vel	(mm/yr)	-10.7	4.8	.529	.566	-.487	.956	1.000	
Z vel	(mm/yr)	-.8	3.4	-.504	-.520	.510	-.926	-.952	1.000
				X	Y	Z	X vel	Y vel	Z vel

Table 4.2

Site Velocities in Topocentric Reference Frames													
	Total Rates with sigmas			Relative to Model			Total Rate with sigmas		Relative to Nuvel		Error Ellipsoid		
Sitename Monument	East mm/yr	North mm/yr	Up mm/yr	East mm/yr	North mm/yr	Up mm/yr	Hor mm/yr	Az deg	Hor mm/yr	Az deg	Amp mm/yr	Az deg	Elev deg
ALGOPARK	-17.9	2.8	2.2	-.2	-.5	2.2	18.2	278.9	.5	198.4	.9	253.4	85.0
7282	.2	.2	.9				.2	.7	.2	21.8	.2	354.3	1.0
											.2	84.3	4.9
AUSTINTX	-12.7	-4.9	.0	.0	.0	.0	13.6	249.0	.0	.0	3.0	357.2	.0
7271	3.0	3.0	.0				3.0	12.6	.0	.0	3.0	87.2	.0
con											.0	.0	.0
AZORES	16.0	17.3	.0	.0	.0	.0	23.5	42.9	.0	.0	3.0	8.2	.0
7609	3.0	3.0	.0				3.0	7.3	.0	.0	3.0	98.2	.0
con											.0	.0	.0
BERMUDA	-12.8	8.8	.0	.1	.0	.0	15.5	304.5	.0	.0	3.0	349.1	.0
7294	3.0	3.0	.0				3.0	11.1	.0	.0	3.0	79.1	.0
con											.0	.0	.0
BLKBUTTE	-20.9	-8.3	-10.2	-8.5	3.6	-10.2	22.5	248.2	9.2	292.9	9.0	166.7	88.6
7269	.9	1.2	9.0				.9	3.1	1.0	7.1	1.2	350.2	1.4
											.8	80.2	-.1
BLOOMIND	-15.9	-.2	.0	.0	.0	.0	15.9	269.2	.0	.0	3.0	9.7	.0
7291	3.0	3.0	.0				3.0	10.8	.0	.0	3.0	99.7	.0
con											.0	.0	.0
BREST	17.9	16.4	.0	.0	.0	.0	24.3	47.4	.0	.0	3.0	347.7	.0
7604	3.0	3.0	.0				3.0	7.1	.0	.0	3.0	77.7	.0
con											.0	.0	.0
CARNUSTY	16.4	16.2	.0	.0	.0	.0	23.1	45.3	.0	.0	3.0	38.1	.0
7603	3.0	3.0	.0				3.0	7.4	.0	.0	3.0	128.1	.0
con											.0	.0	.0
CARROLGA	-14.1	.4	.0	.0	.0	.0	14.1	271.5	.0	.0	3.0	357.1	.0
7228	3.0	3.0	.0				3.0	12.2	.0	.0	3.0	87.1	.0
con											.0	.0	.0
CHLBOLTN	18.0	16.1	.0	.0	.0	.0	24.1	48.3	.0	.0	3.0	358.8	.0
7215	3.0	3.0	.0				3.0	7.1	.0	.0	3.0	88.8	.0
con											.0	.0	.0
DEADMANL	-21.3	-9.6	60.4	-8.8	2.6	60.4	23.4	245.8	9.2	286.1	24.2	182.1	87.0
7267	2.8	4.0	24.2				3.2	9.1	2.8	24.9	3.8	8.8	3.0
											2.7	98.8	-.4
DSS15	-17.0	-3.8	-5.3	-4.3	8.5	-5.2	17.4	257.3	9.5	333.4	11.3	26.0	79.9
7231	2.5	3.5	11.1				2.8	10.8	3.0	18.6	3.2	17.2	-9.9
											2.2	107.4	-1.5
DSS45	14.1	57.6	7.2	-4.4	1.5	7.4	59.3	13.7	4.7	288.1	2.8	359.6	64.5
1642	1.8	2.1	2.6				2.0	1.9	2.0	23.5	2.2	317.1	-19.4
											1.5	52.9	-16.0
DSS65	20.4	15.5	-10.4	.9	-.9	-10.5	25.6	52.8	1.3	134.1	3.0	18.2	81.7
1665	.5	.7	2.9				.6	1.3	.5	29.0	.5	13.6	-8.3
											.5	103.7	-.7
EFLSBERG	20.8	15.7	-5.8	.9	.6	-5.9	26.0	53.0	1.1	55.1	1.1	311.4	71.4
7203	.4	.5	1.0				.5	1.1	.4	25.1	.5	23.4	-6.0
											.3	111.5	17.6
ELY	-19.5	-11.3	-7.1	-5.4	.3	-7.0	22.5	239.8	5.4	272.9	6.5	161.1	87.5
7286	.7	1.0	6.5				.7	2.4	.7	10.0	.9	344.4	2.5
											.7	74.4	-.1

Table 4.2 (continued)

Site Velocities in Topocentric Reference Frames													
	Total Rates with sigmas			Relative to Model			Total Rate with sigmas		Relative to Nuvel		Error Ellipsoid		
Sitename Monument	East mm/yr	North mm/yr	Up mm/yr	East mm/yr	North mm/yr	Up mm/yr	Hor mm/yr	Az deg	Hor mm/yr	Az deg	Amp mm/yr	Az deg	Elev deg
FD-VLBA	-16.2	.1	12.3	-3.7	7.5	12.3	16.2	270.4	8.4	333.7	7.7	352.7	88.0
7613	2.0	1.8	7.7				2.0	6.3	1.7	14.1	2.1	59.1	-.8
											1.7	329.0	-1.8
FLAGSTAF	-16.0	-10.1	12.3	-2.7	.3	12.4	18.9	237.6	2.7	276.1	6.4	156.0	89.9
7261	.7	1.0	6.4				.8	2.8	.7	20.2	1.0	355.5	.1
											.7	85.5	.0
FORT ORD	-43.2	24.1	9.1	-3.0	-1.5	9.0	49.5	299.1	3.3	243.2	6.1	174.0	89.2
7266	.7	.9	6.1				.7	.9	.7	14.9	.9	351.7	.8
tie											.6	81.7	.0
FORTORDS	-43.3	24.1	9.1	-3.0	-1.5	9.0	49.5	299.1	3.3	243.4	6.1	173.5	89.2
7241	.7	.9	6.1				.7	.9	.7	14.9	.9	351.7	.8
tie											.6	81.7	.0
FTD 7900	-12.5	-7.4	.0	.0	.0	.0	14.5	239.3	.0	.0	3.0	341.7	.0
7900	3.0	3.0	.0				3.0	11.8	.0	.0	3.0	71.7	.0
con											.0	.0	.0
GILCREEK	-11.7	-21.4	-1.1	-.9	-.3	-1.1	24.3	208.6	.9	252.5	.7	65.2	66.2
7225	.3	.4	.6				.4	.6	.3	20.8	.3	354.4	-8.3
											.1	87.8	-22.1
GOLDVENU	-18.9	-4.8	-4.7	-6.2	7.5	-4.6	19.5	255.7	9.7	320.4	1.2	40.9	84.8
1513	.3	.3	1.2				.3	.9	.3	1.8	.3	352.9	-3.5
											.3	83.2	-3.8
GORF7102	-15.2	6.7	-3.7	.5	2.9	-3.7	16.6	293.8	3.0	9.4	5.9	221.3	89.0
7102	.9	1.0	5.8				.9	3.5	1.0	16.8	1.0	358.9	.7
											.9	88.9	.7
GRASSE	21.0	15.0	.0	.0	.0	.0	25.8	54.5	.0	.0	3.0	36.4	.0
7605	3.0	3.0	.0				3.0	6.7	.0	.0	3.0	126.4	.0
con											.0	.0	.0
HALEAKAL	-65.7	34.0	-.2	-4.7	.3	-.3	73.9	297.4	4.7	274.2	.7	319.7	-3.2
7120	.5	.6	.0				.7	.3	.6	7.0	.4	49.6	1.5
tie											.0	294.7	86.5
HARTRAO	19.7	14.1	-.4	-1.9	-7.0	-.3	24.2	54.5	7.2	195.4	2.1	320.0	49.7
7232	1.7	1.7	1.7				1.7	3.7	1.7	12.8	1.8	49.3	-.6
											1.0	318.8	-40.3
HATCREEK	-22.0	-7.9	-1.1	-8.5	6.0	-1.0	23.4	250.1	10.4	305.4	1.0	94.0	84.9
7218	.2	.3	1.0				.2	.7	.3	1.5	.3	359.1	.4
											.2	89.1	-5.1
HAYSTACK	-16.1	6.2	-.9	.4	.2	-.9	17.2	291.0	.4	69.5	.4	321.5	86.0
7205	.1	.1	.4				.1	.5	.1	17.9	.1	3.9	-2.9
											.1	93.8	2.7
HN-VLBA	-16.6	5.8	.0	.0	.0	.0	17.6	289.3	.0	.0	3.0	22.6	.0
7618	3.0	3.0	.0				3.0	9.8	.0	.0	3.0	112.6	.0
con											.0	.0	.0
HOBART26	9.9	59.6	7.5	-3.5	2.7	7.7	60.4	9.4	4.4	307.6	2.9	2.6	69.3
7242	1.9	2.2	2.8				2.1	1.9	2.3	23.3	2.3	321.1	-15.8
											1.6	54.8	-13.0
HOFN	11.1	17.1	.0	.0	.0	.0	20.4	33.0	.0	.0	3.0	51.6	.0
7635	3.0	3.0	.0				3.0	8.4	.0	.0	3.0	321.6	.0
con											.0	.0	.0

Table 4.2 (continued)

Site Velocities in Topocentric Reference Frames													
	Total Rates with sigmas			Relative to Model			Total Rate with sigmas		Relative to Nuvel		Error Ellipsoid		
Sitename Monument	East mm/yr	North mm/yr	Up mm/yr	East mm/yr	North mm/yr	Up mm/yr	Hor mm/yr	Az deg	Hor mm/yr	Az deg	Amp mm/yr	Az deg	Elev deg
HOHENFRG	20.1	14.5	.0	.0	.0	.0	24.8	54.2	.0	.0	3.0	38.6	.0
7600	3.0	3.0	.0				3.0	6.9	.0	.0	3.0	128.6	.0
con											.0	.0	.0
HOHNBERG	21.1	14.4	.0	.0	.0	.0	25.6	55.7	.0	.0	3.0	33.3	.0
7630	3.0	3.0	.0				3.0	6.7	.0	.0	3.0	123.3	.0
con											.0	.0	.0
JPL MV1	-40.4	8.9	6.8	1.5	-15.3	6.8	41.3	282.4	15.3	174.5	5.5	180.0	88.9
7263	.5	.7	5.5				.5	1.0	.7	1.9	.7	350.6	1.1
											.5	80.6	.2
KARLBURG	20.5	13.9	.0	.0	.0	.0	24.8	55.9	.0	.0	3.0	323.4	.0
7632	3.0	3.0	.0				3.0	6.9	.0	.0	3.0	53.4	.0
con											.0	.0	.0
KASHIM34	-3.6	-12.9	-3.6	-12.4	4.5	-3.5	13.4	195.7	13.2	290.1	1.4	357.7	45.3
1857	.7	1.1	1.1				1.0	3.4	.8	4.3	.8	294.5	-24.0
tie											.4	42.7	-35.0
KASHIMA	-3.6	-12.9	-3.6	-12.4	4.5	-3.5	13.4	195.7	13.2	290.1	1.4	357.7	45.2
1856	.7	1.1	1.1				1.0	3.4	.8	4.3	.8	294.5	-24.0
tie											.4	42.7	-35.0
KAUAI	-65.7	34.0	.0	-4.7	.2	.0	74.0	297.4	4.7	273.0	.7	318.4	.0
1311	.6	.6	.0				.7	.3	.6	7.0	.4	48.4	.0
ref tie											.0	.0	.0
KIRSBERG	21.2	13.8	.0	.0	.0	.0	25.3	56.9	.0	.0	3.0	121.5	.0
7631	3.0	3.0	.0				3.0	6.8	.0	.0	3.0	31.5	.0
con											.0	.0	.0
KODIAK	-15.1	-15.4	15.6	-6.5	6.6	15.6	21.6	224.6	9.3	315.5	7.2	123.0	88.0
7278	1.0	.9	7.2				.9	2.7	1.0	5.8	1.0	97.7	-1.8
											.9	7.7	.9
KP-VLBA	-12.3	-10.4	.0	.0	.0	.0	16.1	229.8	.0	.0	3.0	84.4	.0
7610	3.0	3.0	.0				3.0	10.7	.0	.0	3.0	354.4	.0
con											.0	.0	.0
KWAJAL26	-72.6	26.4	.2	-4.2	-3.0	.1	77.2	290.0	5.2	235.0	4.9	12.9	82.8
4968	1.3	1.8	4.9				1.4	1.3	1.4	19.1	1.7	347.0	-6.5
											1.2	77.4	-3.1
LA-VLBA	-17.4	-4.9	-6.3	-3.4	3.4	-6.2	18.1	254.2	4.8	314.9	2.1	15.9	88.4
7611	.5	.5	2.1				.5	1.6	.5	6.2	.5	82.9	-.6
											.5	352.8	-1.4
LEONRDOK	-14.7	-4.1	.0	.0	.0	.0	15.2	254.4	.0	.0	3.0	355.8	.0
7292	3.0	3.0	.0				3.0	11.3	.0	.0	3.0	85.8	.0
con											.0	.0	.0
MAMMOTHL	-27.3	-2.4	-19.5	-14.3	10.6	-19.5	27.5	264.9	17.8	306.8	14.6	181.5	88.2
7259	1.5	2.2	14.6				1.5	4.7	1.9	6.0	2.2	347.6	1.7
											1.4	77.6	.4
MARCUS	-77.3	27.2	29.1	-7.1	2.6	29.1	81.9	289.4	7.6	289.8	14.3	330.0	84.3
7310	3.4	3.9	14.2				3.7	2.6	3.8	27.6	3.9	331.8	-5.6
											3.2	61.8	.2
MARPOINT	-15.8	3.9	-3.9	-.3	.3	-3.9	16.3	284.0	.4	314.7	2.1	146.4	89.8
7217	.3	.4	2.1				.3	1.5	.4	57.5	.4	6.2	.2
											.3	96.2	-.1

Table 4.2 (continued)

Site Velocities in Topocentric Reference Frames													
	Total Rates with sigmas			Relative to Model			Total Rate with sigmas		Relative to Nuvel		Error Ellipsoid		
Sitename Monument	East mm/yr	North mm/yr	Up mm/yr	East mm/yr	North mm/yr	Up mm/yr	Hor mm/yr	Az deg	Hor mm/yr	Az deg	Amp mm/yr	Az deg	Elev deg
MATERA	26.1	17.5	.1	3.1	4.1	.0	31.4	56.2	5.1	37.1	2.9	315.7	84.8
7243	.8	.9	2.8				.8	1.5	.9	8.6	.9	20.9	-2.2
											.7	110.7	4.7
MCD 7850	-12.5	-7.5	.0	.0	.0	.0	14.6	239.2	.0	.0	3.0	336.4	.0
7850	3.0	3.0	.0				3.0	11.8	.0	.0	3.0	66.4	.0
con											.0	.0	.0
MEDICINA	24.5	15.9	-7.9	2.8	1.6	-8.0	29.2	57.1	3.2	60.0	1.2	316.8	75.6
7230	.5	.6	1.2				.5	1.0	.5	9.7	.6	25.3	-5.4
											.4	114.0	13.3
METSHOVI	21.4	11.8	.0	.0	.0	.0	24.4	61.1	.0	.0	3.0	85.9	.0
7601	3.0	3.0	.0				3.0	7.1	.0	.0	3.0	355.9	.0
con											.0	.0	.0
MILESMON	-17.0	-8.2	.0	.0	.0	.0	18.9	244.4	.0	.0	3.0	356.6	.0
7038	3.0	3.0	.0				3.0	9.1	.0	.0	3.0	86.6	.0
con											.0	.0	.0
MIYAZAKI	19.8	-14.1	.0	-2.1	1.4	.0	24.3	125.5	2.5	303.5	2.7	45.7	.0
7312	2.7	2.7	.0				2.6	6.4	2.6	62.7	2.6	315.7	.0
											.0	.0	.0
MIZUSGSI	9.8	-17.4	.0	.3	.3	.0	19.9	150.6	.4	53.1	3.0	6.2	.0
7314	3.0	3.0	.0				3.0	8.6	3.0	394.7	3.0	96.2	.0
con											.0	.0	.0
MOJ 7288	-18.7	-4.5	-3.7	-6.0	7.9	-3.7	19.3	256.6	9.9	322.7	.5	82.4	75.4
7288	.2	.2	.5				.2	.6	.2	.9	.2	339.0	3.5
tie											.1	68.1	-14.2
MOJAVE12	-18.7	-4.5	-3.7	-6.0	7.9	-3.7	19.3	256.6	9.9	322.7	.5	82.4	75.4
7222	.2	.2	.5				.2	.6	.2	.9	.2	339.0	3.5
tie											.1	68.1	-14.2
MON PEAK	-45.3	13.8	-6.0	-2.5	-9.6	-6.1	47.3	286.9	9.9	194.8	3.3	103.6	88.9
7274	.3	.4	3.3				.4	.5	.4	2.0	.4	.1	.2
											.3	90.1	-1.0
MV2ONSLA	18.9	14.3	1.3	-.6	.1	1.2	23.7	52.9	.6	278.0	.9	310.8	63.7
7211	.4	.5	.8				.4	1.1	.4	44.1	.4	25.4	-7.5
tie											.2	111.8	25.1
NL-VLBA	-16.7	-2.3	.0	.0	.0	.0	16.8	262.0	.0	.0	3.0	63.9	.0
7612	3.0	3.0	.0				3.0	10.2	.0	.0	3.0	333.9	.0
con											.0	.0	.0
NOBEY 6M	6.1	-16.8	.0	-3.1	.0	.0	17.9	160.1	3.1	270.5	2.7	22.4	.0
7244	2.6	2.7	.0				2.7	8.5	2.6	49.8	2.6	112.4	.0
											.0	.0	.0
NOME	-1.8	-27.8	9.9	2.6	-4.3	10.0	27.9	183.7	5.0	148.2	6.0	140.2	87.0
7279	.8	1.2	6.0				1.2	1.7	1.2	8.9	1.2	345.4	2.7
											.7	75.4	-1.3
NOTO	23.2	20.5	-5.0	.2	6.8	-5.1	31.0	48.6	6.8	1.4	2.8	325.8	84.0
7547	.8	.8	2.7				.9	1.4	.8	6.8	.9	41.1	-1.5
											.7	131.0	5.8
NRAO 140	-16.3	2.9	-1.4	-.7	.3	-1.4	16.5	280.1	.8	297.2	.6	310.8	87.5
72[illegible]4	.1	.2	.6				.1	.5	.1	11.4	.2	357.4	-1.7
tie											.1	87.4	1.8

Table 4.2 (continued)

Site Velocities in Topocentric Reference Frames													
	Total Rates with sigmas			Relative to Model			Total Rate with sigmas		Relative to Nuvel		Error Ellipsoid		
Sitename Monument	East mm/yr	North mm/yr	Up mm/yr	East mm/yr	North mm/yr	Up mm/yr	Hor mm/yr	Az deg	Hor mm/yr	Az deg	Amp mm/yr	Az deg	Elev deg
NRAO85 1	-16.3	2.9	-1.4	-.7	.3	-1.4	16.5	280.1	.8	297.2	.6	310.8	87.5
7248	.1	.2	.6				.1	.5	.1	11.4	.2	357.4	-1.7
tie											.1	87.4	1.8
NRAO85 3	-19.2	4.5	1.3	-3.6	1.9	1.3	19.7	283.1	4.0	298.2	.9	273.4	86.3
7214	.2	.3	.9				.2	.8	.3	3.6	.3	347.0	-1.0
											.2	76.9	3.6
OCOTILLO	-41.2	22.3	.0	1.5	-.9	.0	46.9	298.4	1.7	120.8	3.0	5.3	.0
7270	3.0	3.0	.0				3.0	3.6	3.0	100.8	3.0	95.3	.0
con											.0	.0	.0
ONSALA60	18.9	14.3	1.3	-.6	.1	1.2	23.7	52.9	.6	278.0	.9	310.8	63.7
7213	.4	.5	.8				.4	1.1	.4	44.1	.4	25.4	-7.5
tie											.2	111.8	25.1
OV-VLBA	-21.3	-4.2	-2.7	-8.3	8.6	-2.6	21.8	258.8	12.0	316.2	.9	67.4	82.9
7616	.2	.3	.9				.2	.8	.3	1.2	.3	342.4	-.6
tie											.2	72.5	-7.1
OVR 7853	-21.3	-4.2	-2.7	-8.3	8.6	-2.6	21.8	258.8	12.0	316.2	.9	67.4	82.9
7853	.2	.3	.9				.2	.8	.3	1.2	.3	342.4	-.6
tie											.2	72.5	-7.1
OVRO 130	-21.3	-4.2	-2.7	-8.3	8.6	-2.6	21.8	258.8	12.0	316.2	.9	67.4	82.9
7207	.2	.3	.9				.2	.8	.3	1.2	.3	342.4	-.6
tie											.2	72.5	-7.1
PBLOSSOM	-30.7	4.9	-12.4	-18.4	17.6	-12.4	31.1	279.1	25.5	313.9	7.8	170.8	88.3
7254	.7	1.1	7.8				.8	2.0	1.0	2.1	1.1	355.7	1.7
											.7	85.7	-.1
PENTICTN	-15.9	-11.5	24.7	-.1	1.8	24.7	19.6	234.0	1.8	358.3	8.6	219.2	88.6
7283	.8	.9	8.6				.8	2.6	.9	25.9	.9	341.8	.7
											.8	71.8	1.2
PIETOWN	-17.0	-9.6	-10.8	-3.6	-.5	-10.8	19.5	240.5	3.6	261.9	1.1	79.1	86.9
7234	.2	.2	1.1				.2	.7	.2	3.8	.2	332.1	.9
											.2	62.1	-3.0
PINFLATS	-31.7	5.7	-1.2	10.4	-17.7	-1.2	32.2	280.2	20.6	149.7	5.1	129.4	89.3
7256	.6	.7	5.1				.6	1.2	.7	1.6	.7	350.6	.5
											.6	80.6	-.5
PLATTVIL	-17.0	-8.8	1.6	-1.6	-1.1	1.6	19.1	242.7	1.9	236.1	3.5	221.1	88.0
7258	.4	.5	3.5				.5	1.4	.5	14.2	.5	7.9	1.6
											.4	97.9	1.1
PRESIDIO	-33.3	11.4	-4.0	-20.7	25.7	-4.0	35.2	288.9	33.0	321.1	5.4	164.7	89.0
7252	.6	.8	5.4				.6	1.3	.8	1.2	.8	354.6	1.0
											.6	84.6	-.2
PT REYES	-37.3	19.0	10.7	1.8	-7.0	10.6	41.9	297.0	7.3	165.5	4.4	318.9	89.6
7251	.5	.7	4.4				.6	.8	.7	4.1	.7	353.7	-.3
											.5	83.7	.2
PVERDES	-41.8	15.8	-10.3	.6	-8.4	-10.4	44.6	290.7	8.5	176.1	8.6	198.6	89.0
7268	.8	1.1	8.6				.8	1.4	1.1	5.5	1.1	.9	.9
											.8	90.9	.3
QUINCY	-24.2	-6.9	-4.5	-10.8	6.9	-4.5	25.1	254.1	12.8	302.7	3.6	149.5	88.8
7221	.4	.5	3.6				.4	1.2	.5	2.3	.5	3.3	1.0
											.4	93.3	-.7

Table 4.2 (continued)

Site Velocities in Topocentric Reference Frames													
	Total Rates with sigmas			Relative to Model			Total Rate with sigmas		Relative to Nuvel		Error Ellipsoid		
Sitename Monument	East mm/yr	North mm/yr	Up mm/yr	East mm/yr	North mm/yr	Up mm/yr	Hor mm/yr	Az deg	Hor mm/yr	Az deg	Amp mm/yr	Az deg	Elev deg
RICHMOND	-11.2	2.3	.0	.0	.0	.0	11.5	281.7	.0	.0	.1	21.1	-9.3
7219	.0	.1	.0				.0	.4	.0	.0	.0	.0	.0
ref											.0	.0	.0
ROBLED32	20.4	15.5	-10.4	.9	-.9	-10.5	25.6	52.8	1.3	134.1	3.0	18.2	81.7
1561	.5	.7	2.9				.6	1.3	.5	29.0	.5	13.6	-8.3
											.5	103.7	-.7
SAGARA	8.9	-16.7	.0	.0	.0	.0	19.0	152.0	.0	.0	3.0	357.6	.0
7325	3.0	3.0	.0				3.0	9.1	.0	.0	3.0	87.6	.0
con											.0	.0	.0
SANPAULA	-41.6	12.3	9.4	.2	-12.1	9.3	43.4	286.5	12.1	178.9	8.4	170.4	88.7
7255	.8	1.1	8.4				.9	1.4	1.1	3.8	1.1	347.3	1.3
											.8	77.3	.1
SANTIA12	1.5	11.1	.0	2.4	1.2	.0	11.2	7.4	2.7	62.6	2.8	330.7	.0
1404	2.8	2.8	.0				2.8	14.1	2.7	59.9	2.7	60.7	.0
											.0	.0	.0
SEATTLE1	-15.8	-11.8	-21.6	-.8	2.4	-21.5	19.7	233.1	2.5	341.8	13.7	137.1	88.2
7229	1.6	2.0	13.7				1.7	5.3	1.9	36.7	2.0	4.7	1.2
											1.5	94.7	-1.4
SESHAN25	30.6	-17.2	-3.8	7.3	-3.3	-3.8	35.1	119.4	8.0	114.5	3.2	17.7	81.6
7227	1.1	1.5	3.2				1.2	2.2	1.2	9.9	1.4	348.5	-7.3
tie											1.1	79.0	-4.0
SEST	-1.5	9.7	.0	.0	-.1	.0	9.9	351.1	.1	164.0	3.0	62.6	.0
7239	3.0	3.0	.0				3.0	17.4	3.0	1196.3	3.0	332.6	.0
con											.0	.0	.0
SHANGHAI	30.6	-17.3	-3.8	7.3	-3.3	-3.8	35.1	119.5	8.0	114.5	3.2	16.7	81.8
7226	1.1	1.5	3.2				1.2	2.2	1.2	9.8	1.4	348.6	-7.3
tie											1.1	79.1	-3.8
SINTOTU	10.3	-17.8	.0	.0	.0	.0	20.5	149.9	.0	.0	3.0	8.3	.0
7315	3.0	3.0	.0				3.0	8.4	.0	.0	3.0	98.3	.0
con											.0	.0	.0
SNDPOINT	-12.9	-22.7	3.5	-7.0	.4	3.6	26.1	209.5	7.0	273.5	8.7	107.9	85.6
7280	1.6	1.1	8.6				1.1	3.4	1.6	8.7	1.4	101.1	-4.4
											1.0	11.1	.5
SOURDOGH	-21.0	-26.3	-9.8	-9.7	-5.6	-9.8	33.6	218.6	11.2	239.9	10.2	60.8	89.1
7281	1.4	1.1	10.2				1.4	2.0	1.5	5.5	1.5	67.3	-.9
											1.1	337.3	-.1
TITIJIMA	-26.5	1.7	.0	-4.4	.1	.0	26.6	273.6	4.4	271.4	2.8	351.7	.0
7316	2.4	2.8	.0				2.4	6.1	2.4	36.4	2.4	81.7	.0
											.0	.0	.0
TOULOUSE	20.0	15.8	.0	.0	.0	.0	25.5	51.8	.0	.0	3.0	118.9	.0
7608	3.0	3.0	.0				3.0	6.7	.0	.0	3.0	28.9	.0
con											.0	.0	.0
TROMSONO	28.1	12.6	-3.7	10.1	-.4	-3.7	30.8	65.9	10.1	92.2	6.6	195.9	88.3
7602	1.5	1.2	6.6				1.4	2.4	1.5	6.5	1.5	105.8	.0
											1.1	15.8	1.7
TRYSILNO	14.5	14.9	.0	-4.2	.8	.0	20.8	44.2	4.3	280.2	2.8	4.4	.0
7607	2.7	2.8	.0				2.8	7.6	2.7	37.3	2.7	94.4	.0
											.0	.0	.0

Table 4.2 (continued)

Site Velocities in Topocentric Reference Frames													
	Total Rates with sigmas			Relative to Model			Total Rate with sigmas		Relative to Nuvel		Error Ellipsoid		
Sitename Monument	East mm/yr	North mm/yr	Up mm/yr	East mm/yr	North mm/yr	Up mm/yr	Hor mm/yr	Az deg	Hor mm/yr	Az deg	Amp mm/yr	Az deg	Elev deg
TSUKUBA	-3.6	-12.9	-3.6	-12.5	4.4	-3.6	13.4	195.7	13.3	289.3	4.4	2.8	87.3
7311	1.2	1.5	4.4				1.5	5.4	1.3	6.4	1.5	350.5	-2.6
											1.2	80.5	-.6
USSURISK	20.3	-15.5	.0	.0	.0	.0	25.6	127.3	.0	.0	3.0	59.5	.0
7247	3.0	3.0	.0				3.0	6.7	.0	.0	3.0	329.5	.0
con											.0	.0	.0
USUDA64	20.3	-16.3	.0	.0	.0	.0	26.0	128.7	.0	.0	3.0	356.7	.0
7246	3.0	3.0	.0				3.0	6.6	.0	.0	3.0	86.7	.0
con											.0	.0	.0
VERNAL	-14.0	-10.3	11.6	1.0	-.7	11.7	17.4	233.8	1.2	124.3	8.0	205.3	88.2
7290	.9	1.2	8.0				1.0	3.5	1.0	54.5	1.2	.1	1.6
											.8	90.2	.8
VICTORIA	-14.9	-14.6	.0	.0	.0	.0	20.9	225.6	.0	.0	3.0	129.9	.0
7289	3.0	3.0	.0				3.0	8.2	.0	.0	3.0	39.9	.0
con											.0	.0	.0
VLA	-13.3	-8.9	.0	.0	.0	.0	16.0	236.4	.0	.0	3.0	323.5	.0
7619	3.0	3.0	.0				3.0	10.7	.0	.0	3.0	53.5	.0
con											.0	.0	.0
VNDNBERG	-43.8	22.5	1.1	-1.7	-2.6	1.0	49.3	297.2	3.1	213.9	1.0	68.4	86.3
7223	.2	.3	1.0				.3	.3	.2	5.1	.3	333.6	.3
											.2	63.6	-3.7
WESTFORD	-16.5	6.0	.0	.0	.0	.0	17.5	290.0	.0	.0	.0	.0	.0
7209	.0	.0	.0				.0	.0	.0	.0	.0	.0	.0
ref											.0	.0	.0
WETTZELL	22.2	14.5	-4.0	.9	.4	-4.1	26.5	56.8	1.0	64.6	.8	319.8	59.5
7224	.4	.5	.7				.5	1.0	.4	28.9	.5	33.0	-9.7
											.1	117.6	28.6
WHTHORSE	-15.6	-3.3	-87.4	-1.4	14.9	-87.3	15.9	258.2	14.9	354.6	22.6	221.5	88.9
7284	2.7	2.9	22.6				2.9	10.1	2.9	10.7	3.1	35.4	1.1
											2.5	125.4	.1
YAKATAGA	-34.8	9.1	37.8	-22.8	29.1	37.9	35.9	284.6	37.0	321.9	10.5	96.3	89.1
7277	1.6	1.4	10.5				1.5	2.4	1.2	2.7	1.7	57.3	-.7
											1.2	327.4	.6
YELLOWKN	-19.2	-10.1	8.8	-.1	1.3	8.8	21.7	242.2	1.3	357.3	3.4	49.2	89.0
7285	.4	.5	3.4				.4	1.3	.5	16.1	.5	356.6	-.6
tie											.4	86.6	-.8
YLOW7296	-19.2	-10.1	8.8	-.1	1.3	8.8	21.7	242.2	1.3	357.3	3.4	49.4	89.0
7296	.4	.5	3.4				.4	1.3	.5	16.1	.5	356.6	-.6
tie											.4	86.6	-.8
YUMA	-15.2	-10.7	15.2	-2.8	.6	15.2	18.6	234.7	2.9	282.5	6.1	146.4	89.3
7894	.6	.9	6.1				.7	2.4	.6	16.8	.9	357.7	.6
											.6	87.7	-.4

5.0 Site Positions by Year from GLB907

The positions for HRAS 085 for every two months from April 1980 through July 1990 are given in Table 5.1. The continuous piecewise-linear method used to estimate these positions is described in the text. As no velocities were estimated for HRAS 085 only positions and their errors are shown.

Table 5.2 gives the Cartesian coordinates for each site on January 1.5 from 1979 through 1995 in the VLBI reference frame. All length units are millimeters. The errors are one-sigma standard statistical errors propagated to the epoch of the table. These errors do not change for a site whose velocity was not adjusted. WESTFORD is the reference station which defines the coordinate system origin.

FORTORDS and PRESIDIO each appear twice in each section of the table. The first set of positions in each section does not take into account any discontinuous motion associated with the October 1989 Loma Prieta earthquake. They are based on the positions of these sites prior to the earthquakes extrapolated to the epoch of the table. The second set of positions is based on the estimated positions after the earthquake. YAKATAGA, SOURDOGH, and WHTHORSE are treated in a similar manner in regard to any discontinuous motion associated with the series of earthquakes in the Gulf of Alaska during the winter of 1987-88. The method used to determine positions and velocities at these sites is described in the text.

Table 5.2 is only available in machine-readable form.

6.0 Baseline Statistics Summaries from GLB908

Table 6.1 presents information about the mean lengths of the baselines. 'num obs' is the number of observing sessions. The span in decimal years extends from the earliest to the most recent session included in this report. The mean value is the weighted mean and the formal error of the mean is its one-sigma standard statistical error. The weighted rms and the reduced χ^2 of the fit to the mean are given in the last two columns. Only those baselines with fewer than 5 observatons or observations spanning less than two years are included in this table.

Table 6.2 presents information about the rates of change (slope) of baseline length for those baselines in Table 6.1 for which there were at least five observations spanning at least two years. The rate of change was computed from a weighted linear fit to the individual session values and the formal errors are 1-σ standard statistical errors scaled by the reduced χ^2 of the linear fit. The weighted rms and reduced χ^2 of the fit to the line are given in columns four and five. The 'epoch value' is the estimated baseline length for January 1, 1988 from the linear fit. The correlation given is the correlation of the error of the slope to the error of the epoch value.

Tables 6.3 and 6.4 contain the statistics of the transverse and vertical baseline components. Neither table gives mean values, epoch values, or correlations since the transverse and vertical values have arbitrary zero points. The other columns are calculated and weighted as in Tables 6.1 and 6.2.

Table 6.1

Length Statistical Summary--Mean						
Baseline Name	**Num Obs**	**Span yr to yr**	**Mean mm**	**Sigma mm**	**WRMS mm**	**Chi Sqr**
ALGOPARK-GORF7102	1	92.5-92.5	776611362.9	3.1	----	----
ALGOPARK-HARTRAO	2	92.6-92.6	10968488176.9	3.1	3.1	.0
ALGOPARK-HRAS 085	5	84.7-85.7	2787141066.9	3.8	7.7	1.4
ALGOPARK-KASHIMA	3	92.6-92.8	9109011927.6	11.1	15.7	.7
ALGOPARK-KODIAK	3	90.5-90.5	4887785380.4	6.6	9.4	.6
ALGOPARK-MATERA	8	91.4-92.8	6854842910.6	6.4	17.0	1.5
ALGOPARK-SANTIA12	2	92.6-92.6	8105582595.8	10.2	10.2	.5
ALGOPARK-SNDPOINT	3	90.5-90.5	5395379481.8	3.5	4.9	.1
ALGOPARK-VICTORIA	3	90.6-90.6	3362802084.5	2.3	3.3	.1
ALGOPARK-YELLOWKN	2	84.7-85.7	2912296028.4	16.2	16.2	5.1
ALGOPARK-YLOW7296	5	91.5-92.5	2912668596.4	1.8	3.6	1.1
AUSTINTX-HRAS 085	1	87.5-87.5	600902667.2	2.9	----	----
AUSTINTX-RICHMOND	1	87.5-87.5	1773844465.8	5.9	----	----
AUSTINTX-WESTFORD	1	87.5-87.5	2677897009.2	6.7	----	----
AZORES -MOJAVE12	1	92.4-92.4	7336430733.7	18.6	----	----
AZORES -RICHMOND	3	92.4-92.4	5134349276.4	6.1	8.6	.8
AZORES -WESTFORD	4	92.4-92.4	3833239417.9	4.6	7.9	1.1
AZORES -WETTZELL	4	92.4-92.4	3285708969.7	3.2	5.6	.6
BERMUDA -MARPOINT	3	87.6-87.6	1318010982.1	12.6	17.8	8.7
BERMUDA -RICHMOND	4	87.6-87.6	1696707887.2	8.3	14.3	3.7
BERMUDA -WESTFORD	4	87.6-87.6	1284684863.3	3.0	5.1	.6
BLKBUTTE-ELY	2	88.8-88.8	629461896.9	2.2	2.2	.2
BLKBUTTE-HATCREEK	5	87.1-88.8	942475306.0	7.4	14.8	4.7
BLKBUTTE-MON PEAK	4	83.9-86.8	107821848.5	2.6	4.5	.9
BLKBUTTE-OCOTILLO	2	84.2-85.0	97160207.3	10.1	10.1	1.3
BLKBUTTE-OVRO 130	3	86.4-87.8	459067517.8	6.9	9.8	6.5
BLKBUTTE-PRESIDIO	2	87.4-87.8	762366281.1	5.9	5.9	1.0
BLKBUTTE-PT REYES	1	87.1-87.1	815918037.0	9.2	----	----
BLOOMIND-HRAS 085	1	87.6-87.6	1843913181.7	12.8	----	----
BLOOMIND-WESTFORD	1	87.6-87.6	1316252672.8	12.6	----	----
BREST -MOJAVE12	2	89.7-89.7	7945694724.0	15.0	15.0	1.0
BREST -NOTO	4	89.7-89.7	2029687002.3	11.3	19.5	10.8
BREST -ONSALA60	1	89.7-89.7	1480502018.7	6.0	----	----
BREST -RICHMOND	1	89.7-89.7	6574959719.7	17.9	----	----
BREST -WESTFORD	2	89.7-89.7	4970790347.1	10.9	10.9	1.4
BREST -WETTZELL	4	89.7-89.7	1275263010.2	6.0	10.4	5.8
CARNUSTY-MOJAVE12	1	89.6-89.6	7568098947.4	21.2	----	----
CARNUSTY-RICHMOND	1	89.6-89.6	6586356790.2	19.3	----	----
CARNUSTY-WESTFORD	1	89.6-89.6	4848716948.9	13.7	----	----
CARNUSTY-WETTZELL	4	89.6-89.6	1327033091.6	5.4	9.3	1.9
CARROLGA-HRAS 085	1	87.5-87.5	1799165584.8	12.3	----	----
CARROLGA-RICHMOND	1	87.5-87.5	992547370.0	7.8	----	----
CARROLGA-WESTFORD	1	87.5-87.5	1552637957.5	11.1	----	----
CHLBOLTN-HAYSTACK	7	80.8-80.8	5072314446.6	5.9	14.5	1.9
CHLBOLTN-HRAS 085	7	80.8-80.8	7663737332.5	17.3	42.3	2.0
CHLBOLTN-ONSALA60	7	80.8-80.8	1109864323.6	1.9	4.7	.6
CHLBOLTN-OVRO 130	6	80.8-80.8	7846991261.3	14.9	33.3	2.6
DEADMANL-JPL MV1	1	88.1-88.1	174643147.0	6.5	----	----
DEADMANL-SANPAULA	4	84.2-87.9	250758812.6	17.8	30.8	20.2
DSS15 -GILCREEK	3	88.9-92.5	3807400681.2	8.8	12.4	11.4
DSS15 -GOLDVENU	1	87.8-87.8	21069151.9	3.0	----	----
DSS15 -HAYSTACK	3	88.9-92.5	3899992513.2	4.5	6.3	2.7
DSS15 -KASHIMA	1	92.5-92.5	8087306670.2	13.7	----	----
DSS15 -MEDICINA	1	92.5-92.5	8829937712.4	14.3	----	----
DSS15 -MOJAVE12	1	87.8-87.8	10011685.7	3.1	----	----

Table 6.1 (continued)

Length Statistical Summary–Mean						
Baseline Name	Num Obs	Span yr to yr	Mean mm	Sigma mm	WRMS mm	Chi Sqr
DSS15 -MOJ 7288	1	87.8-87.8	10063344.6	3.5	----	----
DSS15 -ONSALA60	1	92.5-92.5	8014111313.3	12.4	----	----
DSS15 -OVRO 130	2	87.8-88.9	236711198.7	.3	.3	.0
DSS15 -OVR 7853	1	87.8-87.8	237345165.6	3.0	----	----
DSS15 -YAKATAGA	1	89.6-89.6	3265203801.2	9.4	----	----
DSS45 -HARTRAO	8	91.3-92.6	9589254772.2	17.5	46.2	4.8
DSS45 -KWAJAL26	3	88.5-88.6	5171635856.6	27.3	38.6	4.6
DSS45 -MEDICINA	1	91.8-91.8	12194863991.2	52.5	----	----
DSS45 -MOJAVE12	1	88.4-88.4	10586283467.3	31.2	----	----
DSS45 -SANTIA12	4	91.9-92.5	9928436282.5	20.3	35.2	1.8
DSS45 -USSURISK	1	92.2-92.2	8238112025.6	118.6	----	----
DSS45 -WETTZELL	3	91.3-92.6	12156491088.9	8.8	12.4	.4
DSS65 -EFLSBERG	2	91.9-92.9	1414346813.3	2.0	2.0	5.2
DSS65 -HRAS 085	1	88.8-88.8	7975454831.3	10.6	----	----
DSS65 -KARLBURG	1	92.5-92.5	2005730916.5	8.8	----	----
DSS65 -MATERA	10	91.0-92.9	1765812134.0	1.2	3.7	3.6
DSS65 -MOJAVE12	1	88.8-88.8	8395867418.7	12.0	----	----
DSS65 -RICHMOND	3	88.7-89.0	6726067094.8	7.5	10.6	1.5
DSS65 -TOULOUSE	1	92.4-92.4	588518726.9	6.0	----	----
DSS65 -WESTFORD	5	88.7-89.4	5300362828.4	6.7	13.5	7.8
EFLSBERG-MATERA	2	91.9-92.9	1333777571.8	1.1	1.1	1.6
EFLSBERG-MEDICINA	2	91.9-92.9	757049170.4	.1	.1	.0
EFLSBERG-NRAO 140	3	79.9-83.6	6334648491.2	57.9	81.9	3.1
EFLSBERG-ROBLED32	1	83.3-83.3	1414092459.9	8.3	----	----
EFLSBERG-VLA	2	83.6-83.6	8008416046.1	32.2	32.2	.1
EFLSBERG-WESTFORD	1	83.3-83.3	5592851127.0	14.8	----	----
EFLSBERG-WETTZELL	2	91.9-92.9	457481745.0	.3	.3	.2
ELY -OVRO 130	1	86.3-86.3	378140554.2	4.9	----	----
ELY -PLATTVIL	3	84.3-86.3	871865382.7	2.9	4.1	.4
ELY -VNDNBERG	5	87.4-88.8	734889064.8	2.9	5.7	1.4
ELY -WESTFORD	4	89.3-90.8	3580309241.1	6.1	10.6	.7
ELY -YUMA	3	87.4-88.3	707152512.5	5.6	7.9	1.0
FD-VLBA -GILCREEK	12	92.5-93.0	4726066849.5	1.9	6.2	3.0
FD-VLBA -HN-VLBA	1	92.7-92.7	3105762809.8	2.7	----	----
FD-VLBA -HRAS 085	4	91.3-91.4	300460.1	.2	.3	.7
FD-VLBA -KAUAI	12	92.5-93.0	5409472316.6	3.7	12.3	5.4
FD-VLBA -KP-VLBA	1	92.7-92.7	744178332.2	1.6	----	----
FD-VLBA -LA-VLBA	14	92.5-93.0	608982891.1	1.1	3.9	9.7
FD-VLBA -MOJAVE12	1	92.5-92.5	1313661499.4	2.5	----	----
FD-VLBA -NL-VLBA	1	92.7-92.7	1654728018.4	1.8	----	----
FD-VLBA -OV-VLBA	1	92.7-92.7	1508048057.1	2.2	----	----
FD-VLBA -PIETOWN	3	92.7-93.0	564918143.3	.7	.9	1.9
FD-VLBA -WESTFORD	11	92.5-93.0	3134843837.8	1.7	5.4	3.7
FD-VLBA -WETTZELL	12	92.5-93.0	8417579346.6	4.8	15.8	6.2
FLAGSTAF-PLATTVIL	4	84.3-88.8	820904443.7	4.8	8.3	1.9
FLAGSTAF-VERNAL	2	87.3-88.3	595755609.1	.1	.1	.0
FLAGSTAF-WESTFORD	2	90.8-90.9	3497279278.7	11.7	11.7	1.6
FORTORDS-HATCREEK	16	88.9-90.1	470018628.0	8.4	32.5	34.0
FORTORDS-HAYSTACK	1	89.8-89.8	4225000775.6	15.8	----	----
FORTORDS-OVRO 130	2	88.9-88.9	319006648.9	6.8	6.8	3.9
FORTORDS-PRESIDIO	3	89.8-89.9	147938852.0	4.6	6.5	1.1
FORTORDS-PT REYES	5	88.9-89.9	197185365.9	10.5	20.9	12.0
FORTORDS-QUINCY	2	89.8-89.8	382655479.5	.4	.4	.0
FORTORDS-VNDNBERG	17	88.9-90.1	248717546.0	5.9	23.4	19.8
FORTORDS-WESTFORD	11	89.8-91.6	4224718647.7	6.1	19.2	2.8

Table 6.1 (continued)

Length Statistical Summary–Mean						
Baseline Name	**Num Obs**	**Span yr to yr**	**Mean mm**	**Sigma mm**	**WRMS mm**	**Chi Sqr**
FORTORDS-YLOW7296	2	91.6-91.6	2897818090.9	3.0	3.0	.2
FORT ORD-GILCREEK	4	88.1-88.1	3530381364.7	4.0	6.9	.4
FORT ORD-HRAS 085	4	85.2-87.8	1774675669.0	22.0	38.1	28.2
FORT ORD-JPL MV1	1	87.8-87.8	426048767.1	5.7	----	----
FORT ORD-MON PEAK	1	87.1-87.1	644206241.1	6.9	----	----
FORT ORD-PRESIDIO	4	83.7-88.1	139787391.4	9.4	16.3	9.9
FORT ORD-PT REYES	3	87.4-88.1	189551471.9	2.4	3.4	.4
FTD 7900-HRAS 085	1	88.8-88.8	104738.4	3.6	----	----
FTD 7900-MOJAVE12	1	88.8-88.8	1313407342.4	3.9	----	----
FTD 7900-PIETOWN	1	88.8-88.8	564691753.7	3.5	----	----
FTD 7900-WESTFORD	1	88.8-88.8	3134986758.4	6.5	----	----
GILCREEK-GOLDVENU	4	88.5-91.6	3827523753.8	10.3	17.9	29.2
GILCREEK-GORF7102	2	92.4-92.5	5114685173.4	.9	.9	.0
GILCREEK-HALEAKAL	3	88.5-88.5	4837174036.5	3.4	4.8	.2
GILCREEK-HOFN	3	92.6-92.6	5014113206.7	4.0	5.6	.2
GILCREEK-HOHNBERG	1	92.5-92.5	6962098301.2	18.8	----	----
GILCREEK-LA-VLBA	27	91.4-93.0	4157847379.4	1.3	6.4	5.1
GILCREEK-MARCUS	1	90.5-90.5	5885337019.6	11.6	----	----
GILCREEK-MARPOINT	24	88.1-89.6	5152475049.0	4.2	20.2	1.6
GILCREEK-MIZUSGSI	1	91.9-91.9	5134268163.4	18.8	----	----
GILCREEK-NOBEY 6M	7	89.9-91.5	5522166177.5	15.1	36.9	4.1
GILCREEK-NOTO	4	89.5-91.2	7973487673.6	9.3	16.1	1.0
GILCREEK-NRAO85 1	1	92.8-92.8	5035050052.1	3.1	----	----
GILCREEK-NRAO 140	2	90.7-92.8	5034558672.9	.7	.7	.1
GILCREEK-PINFLATS	2	90.1-90.1	3999058543.9	11.0	11.0	1.8
GILCREEK-PVERDES	2	90.1-90.1	3923759642.4	6.2	6.2	.6
GILCREEK-QUINCY	4	89.8-90.8	3227111790.7	6.3	10.8	1.1
GILCREEK-SANPAULA	2	90.1-90.1	3841665983.9	8.0	8.0	.7
GILCREEK-SANTIA12	5	92.0-92.6	10696510866.0	16.1	32.3	1.3
GILCREEK-SEATTLE1	2	90.6-90.6	2429596213.1	12.9	12.9	2.8
GILCREEK-SEST	2	90.4-90.4	10483693351.9	25.3	25.3	.8
GILCREEK-SHANGHAI	1	86.5-86.5	6619027557.8	67.6	----	----
GILCREEK-TROMSONO	3	92.7-92.7	4898530404.0	6.2	8.7	.7
GILCREEK-TRYSILNO	12	91.9-92.2	5678966094.1	4.5	15.1	2.1
GILCREEK-USSURISK	1	92.2-92.2	5122939628.8	85.9	----	----
GILCREEK-VICTORIA	3	90.6-90.6	2318448278.3	4.0	5.6	.4
GILCREEK-YELLOWKN	2	84.7-85.7	1631193658.1	6.6	6.6	2.1
GILCREEK-YLOW7296	14	91.5-92.5	1630815495.0	1.0	3.6	1.3
GOLDVENU-HAYSTACK	4	81.9-91.6	3900825670.4	6.6	11.4	7.0
GOLDVENU-HRAS 085	3	81.9-82.8	1302373949.5	3.9	5.5	1.1
GOLDVENU-KASHIM34	1	90.6-90.6	8101501384.1	8.1	----	----
GOLDVENU-KASHIMA	1	91.6-91.6	8101442298.7	12.6	----	----
GOLDVENU-MEDICINA	2	90.6-91.2	8838183442.0	14.1	14.1	4.2
GOLDVENU-MOJ 7288	1	87.8-87.8	12776767.8	2.2	----	----
GOLDVENU-NRAO 140	1	81.9-81.9	3257509146.9	6.9	----	----
GOLDVENU-OVR 7853	1	87.8-87.8	258212541.8	2.6	----	----
GOLDVENU-PRESIDIO	1	83.7-83.7	580657653.6	16.2	----	----
GOLDVENU-PT REYES	1	83.7-83.7	633483757.4	14.8	----	----
GOLDVENU-QUINCY	1	82.8-82.8	639556784.2	5.5	----	----
GOLDVENU-VNDNBERG	1	83.7-83.7	357563250.9	10.0	----	----
GOLDVENU-WESTFORD	4	81.9-88.5	3900445505.0	7.7	13.4	4.3
GORF7102-HRAS 085	1	89.4-89.4	2618744927.6	6.6	----	----
GORF7102-MARPOINT	2	89.4-89.4	79845260.1	3.7	3.7	1.0
GORF7102-NRAO85 3	4	89.4-91.7	270278770.9	2.1	3.6	2.1
GORF7102-SANTIA12	1	91.9-91.9	7492886946.5	31.6	----	----

Table 6.1 (continued)

Length Statistical Summary–Mean						
Baseline Name	**Num Obs**	**Span yr to yr**	**Mean mm**	**Sigma mm**	**WRMS mm**	**Chi Sqr**
GORF7102-WETTZELL	1	91.9-91.9	6522072767.4	24.8	----	----
GORF7102-YLOW7296	2	92.4-92.5	3580911489.1	1.0	1.0	.1
GRASSE -MOJAVE12	1	89.7-89.7	8701934669.5	21.7	----	----
GRASSE -NOTO	2	89.7-89.7	1024494289.4	2.9	2.9	.9
GRASSE -RICHMOND	1	89.7-89.7	7392007130.9	21.2	----	----
GRASSE -WESTFORD	1	89.7-89.7	5890367628.0	13.2	----	----
GRASSE -WETTZELL	4	89.7-89.7	753160844.5	1.3	2.2	.5
HALEAKAL-KAUAI	3	88.5-88.5	386841606.7	.6	.9	.1
HALEAKAL-MOJAVE12	3	88.5-88.5	4090637545.7	10.8	15.3	2.5
HARTRAO -KASHIM34	7	90.4-92.3	11181747726.9	31.6	77.4	6.3
HARTRAO -MATERA	5	91.9-92.6	7032844454.5	9.6	19.2	1.2
HARTRAO -NOTO	4	91.4-91.7	6713445713.3	10.5	18.1	1.8
HARTRAO -NRAO85 3	6	91.9-92.6	10971697906.0	12.0	26.8	.7
HARTRAO -SANTIA12	29	91.9-93.0	8424406108.6	5.1	27.0	1.1
HARTRAO -SEST	2	90.4-90.4	8572702537.2	29.2	29.2	.9
HATCREEK-HAYSTACK	2	84.3-89.8	4032976728.4	22.6	22.6	16.0
HATCREEK-JPL MV1	2	83.5-87.8	789070010.8	42.0	42.0	84.4
HATCREEK-KASHIM34	1	90.8-90.8	7557379014.1	25.2	----	----
HATCREEK-KODIAK	2	87.5-87.5	2870190265.4	2.0	2.0	.1
HATCREEK-MAMMOTHL	1	83.5-83.5	414535910.0	9.6	----	----
HATCREEK-PINFLATS	2	90.1-90.1	914296125.9	11.0	11.0	9.1
HATCREEK-PVERDES	4	89.1-90.1	830152832.6	9.1	15.7	9.1
HATCREEK-SANPAULA	4	89.1-90.1	745783175.7	8.0	13.9	8.2
HATCREEK-SNDPOINT	1	87.6-87.6	3229864831.8	514.5	----	----
HATCREEK-YAKATAGA	3	87.6-87.6	2569202494.1	6.7	9.4	1.1
HAYSTACK-KASHIM34	1	90.6-90.6	9501718940.9	9.1	----	----
HAYSTACK-KASHIMA	4	84.7-92.5	9501779973.4	26.3	45.5	9.5
HAYSTACK-KODIAK	1	89.5-89.5	5466172817.3	19.5	----	----
HAYSTACK-MARPOINT	2	82.5-82.5	677293409.0	.1	.1	.0
HAYSTACK-MEDICINA	3	90.6-92.5	6143998975.3	6.2	8.8	2.1
HAYSTACK-PIETOWN	13	89.6-89.8	3263328879.8	1.0	3.6	4.0
HAYSTACK-PLATTVIL	1	84.3-84.3	2753205372.5	11.5	----	----
HAYSTACK-PRESIDIO	1	89.8-89.8	4224649416.9	17.6	----	----
HAYSTACK-ROBLED32	1	83.3-83.3	5299699240.9	25.8	----	----
HAYSTACK-VLA	1	83.6-83.6	3234618459.4	168.7	----	----
HAYSTACK-VNDNBERG	1	89.8-89.8	4229299765.0	13.2	----	----
HAYSTACK-YAKATAGA	1	89.6-89.6	4895243305.9	14.4	----	----
HN-VLBA -KP-VLBA	1	92.7-92.7	3623021262.5	3.1	----	----
HN-VLBA -NL-VLBA	1	92.7-92.7	1611103394.8	2.0	----	----
HN-VLBA -OV-VLBA	1	92.7-92.7	3885867743.1	3.6	----	----
HN-VLBA -PIETOWN	1	92.7-92.7	3226576998.8	3.1	----	----
HOBART26-NOBEY 6M	4	90.2-91.5	8086554644.6	22.1	38.3	2.7
HOBART26-ONSALA60	2	90.4-90.4	12256219613.5	51.5	51.5	4.6
HOBART26-SANTIA12	20	91.9-93.0	9522904376.4	6.6	28.6	.8
HOBART26-SEST	2	90.4-90.4	9773309659.8	33.0	33.0	1.3
HOBART26-USSURISK	1	92.2-92.2	8812971800.8	130.3	----	----
HOBART26-WETTZELL	7	91.3-92.6	12247179529.2	14.4	35.4	1.9
HOFN -ONSALA60	3	92.6-92.6	1640016194.8	4.7	6.6	1.8
HOFN -RICHMOND	1	92.6-92.6	6025898900.2	130.8	----	----
HOFN -WESTFORD	3	92.6-92.6	4166563745.1	8.0	11.4	1.3
HOFN -WETTZELL	3	92.6-92.6	2356166458.3	2.1	3.0	.2
HOHENFRG-MOJAVE12	2	89.5-89.5	8257097591.5	5.1	5.1	.1
HOHENFRG-NOTO	5	89.5-89.5	1825225882.3	2.0	4.0	.7
HOHENFRG-RICHMOND	2	89.5-89.5	7347945822.4	8.2	8.2	.4
HOHENFRG-WESTFORD	2	89.5-89.5	5694164272.1	6.1	6.1	.4

Table 6.1 (continued)

Baseline Name	Num Obs	Span yr to yr	Mean mm	Sigma mm	WRMS mm	Chi Sqr
HOHENFRG-WETTZELL	5	89.5-89.5	465777113.6	.8	1.6	.3
HOHNBERG-WESTFORD	1	92.5-92.5	5952734139.5	16.0	----	----
HOHNBERG-WETTZELL	3	92.5-92.5	203089810.9	2.9	4.1	1.0
HRAS 085-JPL MV1	3	82.8-87.8	1391413649.7	50.7	71.7	12.4
HRAS 085-KODIAK	1	89.5-89.5	4645400665.8	17.6	----	----
HRAS 085-LEONRDOK	1	87.6-87.6	957117023.2	4.8	----	----
HRAS 085-MAMMOTHL	1	83.5-83.5	1580143777.6	10.5	----	----
HRAS 085-MARPOINT	3	82.8-89.4	2570813376.7	5.5	7.8	1.7
HRAS 085-MCD 7850	1	88.8-88.8	8125163.2	2.7	----	----
HRAS 085-MEDICINA	12	87.3-89.1	8604525555.9	8.0	26.4	2.2
HRAS 085-MILESMON	1	88.3-88.3	1751993829.9	8.4	----	----
HRAS 085-NRAO85 3	1	89.4-89.4	2353779386.6	4.7	----	----
HRAS 085-PENTICTN	3	84.7-85.7	2443354521.9	14.2	20.0	3.0
HRAS 085-PIETOWN	3	88.7-88.8	564620892.2	.7	1.0	.3
HRAS 085-PINFLATS	5	85.8-87.0	1223294550.7	4.7	9.4	2.8
HRAS 085-PRESIDIO	4	85.2-87.1	1870585830.4	7.7	13.4	3.7
HRAS 085-PT REYES	2	85.2-85.8	1921015701.8	3.3	3.3	.2
HRAS 085-ROBLED32	1	83.3-83.3	7975530212.7	39.7	----	----
HRAS 085-VLA	1	83.6-83.6	514794794.3	32.8	----	----
HRAS 085-YELLOWKN	2	84.7-85.7	3572069875.0	4.7	4.7	.2
JPL MV1 -MAMMOTHL	4	83.5-86.8	387649675.1	11.5	19.9	5.6
JPL MV1 -MON PEAK	1	82.8-82.8	218307721.8	7.8	----	----
JPL MV1 -PRESIDIO	2	88.8-88.9	555228199.1	3.9	3.9	.7
JPL MV1 -QUINCY	1	82.8-82.8	685704813.7	86.3	----	----
KARLBURG-MATERA	1	92.5-92.5	1497018364.8	11.0	----	----
KARLBURG-MEDICINA	1	92.5-92.5	1060755425.7	8.4	----	----
KARLBURG-MOJAVE12	1	92.5-92.5	8298158670.5	19.4	----	----
KARLBURG-ONSALA60	2	92.5-92.5	394283756.7	7.6	7.6	5.2
KARLBURG-WESTFORD	1	92.5-92.5	5823912855.9	12.9	----	----
KARLBURG-WETTZELL	1	92.5-92.5	540583104.7	3.7	----	----
KASHIM34-KASHIMA	7	90.2-90.5	311195.8	1.2	2.9	1.0
KASHIM34-KAUAI	11	90.2-92.2	5709565706.3	15.6	49.2	37.1
KASHIM34-MATERA	1	92.2-92.2	8852010048.7	19.1	----	----
KASHIM34-MEDICINA	1	90.6-90.6	8811182227.7	9.0	----	----
KASHIM34-NOBEY 6M	5	90.2-91.5	197421503.3	3.0	6.0	.9
KASHIM34-NRAO85 3	1	92.2-92.2	9546316707.7	17.5	----	----
KASHIM34-ONSALA60	3	90.4-90.6	7969420830.5	2.9	4.1	.2
KASHIM34-SANTIA12	2	92.0-92.0	12419326096.9	11.9	11.9	.2
KASHIM34-SEST	2	90.4-90.4	12389079098.8	19.0	19.0	.3
KASHIM34-SINTOTU	1	90.6-90.6	846282861.8	7.3	----	----
KASHIM34-WESTFORD	4	90.4-92.0	9502255570.5	7.2	12.4	.8
KASHIM34-WETTZELL	4	91.3-92.0	8475605261.9	6.4	11.1	.6
KASHIMA -MARCUS	4	89.6-90.5	1812270517.5	14.8	25.6	9.0
KASHIMA -MATERA	7	92.6-92.8	8852231360.1	6.7	16.5	.5
KASHIMA -MEDICINA	3	90.4-92.9	8811399431.4	12.7	18.0	2.8
KASHIMA -MIYAZAKI	4	86.8-88.8	948551361.9	22.2	38.5	11.9
KASHIMA -MIZUSGSI	6	91.7-91.9	353521609.7	1.9	4.3	.5
KASHIMA -NOBEY 6M	3	89.9-90.2	197660892.1	4.0	5.7	1.1
KASHIMA -NRAO85 3	7	92.6-92.8	9546350562.9	5.9	14.5	.4
KASHIMA -SAGARA	1	92.9-92.9	266265690.1	9.6	----	----
KASHIMA -SANTIA12	7	92.5-92.6	12419272586.8	18.2	44.7	1.2
KASHIMA -SHANGHAI	1	86.5-86.5	1852075229.1	31.6	----	----
KASHIMA -SINTOTU	3	90.6-90.6	846453899.3	4.2	5.9	.7
KASHIMA -TITIJIMA	4	87.9-89.9	991640333.0	16.8	29.1	3.9
KASHIMA -USUDA64	1	90.6-90.6	208219605.8	5.6	----	----

Table 6.1 (continued)

Length Statistical Summary–Mean						
Baseline Name	Num Obs	Span yr to yr	Mean mm	Sigma mm	WRMS mm	Chi Sqr
KASHIMA -WHTHORSE	1	89.6-89.6	6047388119.0	24.2	----	----
KAUAI -LA-VLBA	26	91.4-93.0	5199822542.2	2.2	11.1	6.7
KAUAI -MARPOINT	6	88.4-89.4	7391325626.1	17.1	38.2	2.3
KAUAI -NOTO	3	89.5-91.2	11099796244.1	12.0	17.0	.6
KAUAI -ONSALA60	2	90.4-90.4	9792569608.1	26.2	26.2	3.2
KAUAI -PIETOWN	6	91.1-91.9	5040441448.1	2.4	5.4	2.7
KAUAI -SANTIA12	5	92.0-92.6	9834797898.4	14.4	28.8	.9
KAUAI -SEST	2	90.4-90.4	9740852591.6	7.2	7.2	.1
KAUAI -SHANGHAI	1	86.5-86.5	7290813011.5	62.3	----	----
KAUAI -USSURISK	1	92.2-92.2	6348883948.0	93.3	----	----
KAUAI -WETTZELL	39	91.1-93.0	10357464637.1	3.7	22.8	5.1
KAUAI -WHTHORSE	1	89.6-89.6	4587139196.0	18.4	----	----
KIRSBERG-ONSALA60	3	92.5-92.5	704561012.7	2.0	2.8	.9
KIRSBERG-WETTZELL	3	92.5-92.5	251191926.3	2.1	3.0	1.8
KODIAK -NOME	4	84.6-86.6	1024053275.9	9.4	16.2	2.1
KODIAK -VNDNBERG	4	84.6-86.6	3459022117.2	19.1	33.2	4.5
KODIAK -WESTFORD	8	88.5-90.5	5466634668.4	5.3	14.0	.8
KP-VLBA -NL-VLBA	1	92.7-92.7	2075860846.6	2.1	----	----
KP-VLBA -OV-VLBA	1	92.7-92.7	845454536.9	1.8	----	----
KP-VLBA -PIETOWN	1	92.7-92.7	417009134.3	1.8	----	----
KWAJAL26-SESHAN25	3	88.5-88.6	5191948398.4	14.2	20.0	2.2
LA-VLBA -MOJAVE12	15	91.4-92.3	964980751.8	.9	3.5	4.6
LA-VLBA -NRAO85 1	1	92.8-92.8	2345646220.4	1.7	----	----
LA-VLBA -NRAO85 3	1	92.8-92.8	2344352312.7	1.7	----	----
LA-VLBA -NRAO 140	1	92.8-92.8	2344991196.7	1.7	----	----
LA-VLBA -PIETOWN	6	91.4-93.0	236640008.1	1.2	2.7	11.2
LA-VLBA -WESTFORD	28	91.4-93.0	3044179217.7	1.0	5.3	4.1
LA-VLBA -WETTZELL	28	91.4-93.0	8161830108.7	2.6	13.7	5.7
LEONRDOK-RICHMOND	1	87.6-87.6	1854619800.6	6.5	----	----
LEONRDOK-WESTFORD	1	87.6-87.6	2205062326.1	6.5	----	----
MAMMOTHL-MOJAVE12	4	83.5-86.8	315785216.9	5.1	8.8	2.3
MAMMOTHL-OVRO 130	4	83.5-86.8	74255494.3	3.7	6.3	1.6
MAMMOTHL-VNDNBERG	2	84.8-86.8	373995447.3	11.0	11.0	6.9
MARPOINT-MEDICINA	1	89.0-89.0	6721974437.4	22.8	----	----
MARPOINT-NOTO	1	89.5-89.5	7291183521.2	18.2	----	----
MARPOINT-NRAO85 3	11	89.1-89.6	228306392.5	2.7	8.6	5.2
MARPOINT-ONSALA60	4	82.5-83.7	6198441067.0	4.4	7.6	.3
MARPOINT-OVRO 130	3	82.5-82.8	3540824488.2	3.0	4.3	.2
MATERA -MEDICINA	9	91.0-92.9	597262297.3	.8	2.3	2.2
MATERA -MOJAVE12	8	91.8-92.4	9255718121.2	4.1	10.7	.8
MATERA -NOTO	5	91.0-92.3	444532981.9	1.1	2.2	1.6
MATERA -ONSALA60	8	91.0-92.9	1886809326.4	2.6	7.0	9.4
MATERA -RICHMOND	9	91.8-92.4	8088948193.0	3.3	9.3	.6
MATERA -SANTIA12	4	92.6-92.6	10367162658.7	12.2	21.1	.5
MATERA -TOULOUSE	1	92.4-92.4	1295572699.0	7.0	----	----
MATERA -WESTFORD	13	91.8-93.0	6647032698.0	4.2	14.6	4.0
MATERA -WETTZELL	23	91.0-93.0	990053376.0	.8	3.9	3.6
MCD 7850-MOJAVE12	1	88.8-88.8	1305462981.6	3.5	----	----
MCD 7850-PIETOWN	1	88.8-88.8	556665225.8	2.8	----	----
MCD 7850-WESTFORD	1	88.8-88.8	3137645303.6	4.7	----	----
MEDICINA-RICHMOND	14	87.3-89.0	7658214943.0	6.4	22.9	2.0
MEDICINA-SESHAN25	2	90.4-91.8	8287102207.2	8.6	8.6	.4
MEDICINA-TOULOUSE	1	92.4-92.4	820509778.4	6.6	----	----
METSHOVI-MOJAVE12	2	89.5-89.5	8149935273.4	35.6	35.6	2.0
METSHOVI-ONSALA60	5	89.5-89.5	784441965.7	3.7	7.4	2.2

Table 6.1 (continued)

Length Statistical Summary--Mean						
Baseline Name	Num Obs	Span yr to yr	Mean mm	Sigma mm	WRMS mm	Chi Sqr
METSHOVI-RICHMOND	2	89.5-89.5	7758613783.9	46.3	46.3	3.7
METSHOVI-WESTFORD	2	89.5-89.5	6059189140.9	23.6	23.6	1.6
METSHOVI-WETTZELL	5	89.5-89.5	1433414946.7	2.0	4.0	.5
MILESMON-MOJAVE12	1	88.3-88.3	1534074220.1	8.2	----	----
MILESMON-WESTFORD	1	88.3-88.3	2722126740.0	11.1	----	----
MOJAVE12-NOBEY 6M	7	89.9-91.5	8216104556.8	20.6	50.5	3.5
MOJAVE12-NOME	3	90.5-90.5	4471763787.5	8.3	11.7	.9
MOJAVE12-NRAO 140	3	88.8-91.8	3262601947.1	5.2	7.4	5.0
MOJAVE12-OCOTILLO	3	84.2-85.2	299368638.3	7.7	10.9	3.2
MOJAVE12-OVR 7853	1	87.8-87.8	245893865.1	2.3	----	----
MOJAVE12-PENTICTN	3	90.6-90.6	1566267813.0	8.1	11.5	2.7
MOJAVE12-SANTIA12	1	91.9-91.9	8253264787.9	22.1	----	----
MOJAVE12-SEATTLE1	3	86.7-90.6	1439349332.4	15.5	21.9	10.8
MOJAVE12-SEST	1	90.3-90.3	7986720625.6	19.0	----	----
MOJAVE12-SOURDOGH	8	87.6-89.6	3577769380.2	5.1	13.6	2.0
MOJAVE12-TOULOUSE	1	92.4-92.4	8484962277.5	20.6	----	----
MOJAVE12-TROMSONO	1	89.6-89.6	7344759269.5	15.7	----	----
MOJAVE12-VICTORIA	3	90.6-90.6	1545227667.9	6.0	8.5	1.7
MOJAVE12-WHTHORSE	5	88.6-89.6	3076518264.6	8.0	15.9	4.3
MOJAVE12-YLOW7296	10	91.5-92.5	2995740024.3	2.3	7.0	2.3
MOJ 7288-MOJAVE12	1	87.8-87.8	358196.5	1.7	----	----
MOJ 7288-OVRO 130	1	87.8-87.8	245135041.0	2.7	----	----
MOJ 7288-OVR 7853	1	87.8-87.8	245751411.9	2.9	----	----
MON PEAK-WESTFORD	2	90.9-90.9	3985679549.4	8.6	8.6	.7
MV2ONSLA-ONSALA60	1	92.3-92.3	71590.9	1.1	----	----
NL-VLBA -OV-VLBA	1	92.7-92.7	2328472881.9	2.4	----	----
NL-VLBA -PIETOWN	1	92.7-92.7	1663873396.9	2.2	----	----
NOME -SNDPOINT	3	84.5-86.6	1060002870.5	3.9	5.5	.5
NOME -WESTFORD	3	90.5-90.5	5785551127.5	7.5	10.7	.5
NOTO -NRAO85 3	4	89.5-91.2	7446887092.7	9.0	15.7	1.3
NRAO85 1-NRAO85 3	1	92.8-92.8	1500006.5	1.1	----	----
NRAO85 1-WESTFORD	1	92.8-92.8	843735636.3	1.4	----	----
NRAO85 3-SANTIA12	5	92.1-92.6	7465717218.2	7.3	14.6	.4
NRAO85 3-WETTZELL	9	91.9-92.9	6725781959.6	2.2	6.2	1.0
NRAO 140-NRAO85 1	1	92.8-92.8	696466.7	1.0	----	----
NRAO 140-NRAO85 3	2	91.8-92.8	1128929.0	1.2	1.2	1.3
NRAO 140-ONSALA60	4	81.9-83.0	6319317540.3	14.4	24.9	2.7
NRAO 140-RICHMOND	1	91.8-91.8	1420105754.2	3.1	----	----
NRAO 140-VLA	2	83.6-83.6	2517122435.7	20.1	20.1	.0
OCOTILLO-OVRO 130	1	85.2-85.2	542313250.0	6.8	----	----
OCOTILLO-PVERDES	1	85.2-85.2	264927266.8	5.5	----	----
OCOTILLO-VNDNBERG	3	84.2-85.2	487851105.3	10.2	14.4	4.3
ONSALA60-ROBLED32	1	83.3-83.3	2204783300.9	11.7	----	----
ONSALA60-SEST	3	90.3-90.4	10459732579.2	5.6	7.9	.1
ONSALA60-TRYSILNO	1	92.0-92.0	449292372.3	2.3	----	----
OV-VLBA -PIETOWN	1	92.7-92.7	973118250.3	2.2	----	----
OVRO 130-PVERDES	2	83.9-85.2	387094564.6	8.3	8.3	1.5
OVRO 130-SANPAULA	1	83.7-83.7	322080184.8	11.8	----	----
OVRO 130-VLA	2	83.6-83.6	1025530682.0	104.3	04.3	4.0
OVR 7853-OVRO 130	1	87.8-87.8	991122.1	1.6	----	----
PBLOSSOM-SANPAULA	1	88.1-88.1	99880793.8	7.1	----	----
PENTICTN-WESTFORD	3	90.6-90.6	3684967789.5	13.4	19.0	1.9
PENTICTN-YELLOWKN	2	84.7-85.7	1495292887.0	1.9	1.9	.1
PIETOWN -WETTZELL	7	91.1-91.9	8339267311.4	4.5	11.1	4.5
PINFLATS-PVERDES	3	87.2-88.1	180972818.7	2.7	3.9	.8

Table 6.1 (continued)

Length Statistical Summary–Mean						
Baseline Name	**Num Obs**	**Span yr to yr**	**Mean mm**	**Sigma mm**	**WRMS mm**	**Chi Sqr**
PLATTVIL-VERNAL	1	86.2-86.2	412425202.8	3.9	----	----
PRESIDIO-PT REYES	3	83.7-85.8	53727232.8	.6	.9	.0
PRESIDIO-WESTFORD	6	89.8-91.5	4224409679.8	7.4	16.6	1.7
PRESIDIO-YLOW7296	2	91.5-91.5	2775924621.1	1.5	1.5	.1
PRESIDIO-YUMA	1	87.1-87.1	922582256.6	6.5	----	----
PT REYES-WESTFORD	6	89.9-91.5	4248545124.4	12.0	26.8	4.0
PT REYES-YLOW7296	2	91.5-91.5	2750483258.9	5.9	5.9	.8
PT REYES-YUMA	1	87.8-87.8	975980359.1	9.7	----	----
QUINCY -WESTFORD	2	89.8-89.8	4023819278.3	7.7	7.7	.5
RICHMOND-SANTIA12	2	92.5-92.6	6292951543.1	2.4	2.4	.1
RICHMOND-TROMSONO	1	89.6-89.6	7249939446.2	16.6	----	----
RICHMOND-YLOW7296	3	91.6-92.5	4696400727.3	1.0	1.4	.0
ROBLED32-WESTFORD	1	83.3-83.3	5300462986.1	27.4	----	----
SANTIA12-SESHAN25	5	92.0-92.6	12693859219.1	20.1	40.1	.4
SANTIA12-WESTFORD	9	91.9-92.9	7791503443.3	4.2	11.9	.6
SANTIA12-WETTZELL	9	91.9-92.9	10460704343.6	15.6	44.0	3.4
SEATTLE1-WESTFORD	3	86.7-90.6	3895645945.3	12.5	17.7	2.2
SESHAN25-WESTFORD	4	92.0-92.6	10157033689.2	13.9	24.1	.3
SEST -WESTFORD	3	90.3-90.4	7447845596.7	8.4	11.9	.5
SINTOTU -USUDA64	1	90.6-90.6	872851759.0	8.6	----	----
SNDPOINT-VNDNBERG	3	84.5-86.6	3763664060.9	24.9	35.3	6.1
SOURDOGH-WESTFORD	6	88.6-89.6	4992696144.9	5.8	13.0	1.1
SOURDOGH-WHTHORSE	3	84.6-86.6	591316579.6	4.4	6.3	1.3
SOURDOGH-YAKATAGA	4	84.6-86.6	329299231.9	17.5	30.3	33.1
TOULOUSE-WESTFORD	1	92.4-92.4	5549471935.2	13.0	----	----
TOULOUSE-WETTZELL	2	92.4-92.4	1071524825.9	.5	.5	.0
TRYSILNO-WESTFORD	12	91.9-92.2	5480563535.8	3.7	12.3	1.6
TRYSILNO-WETTZELL	10	91.9-92.2	1364743192.9	1.0	2.9	.7
VERNAL -VNDNBERG	1	88.8-88.8	1165722334.0	4.6	----	----
VERNAL -WESTFORD	4	89.3-90.8	3132148590.2	8.1	14.1	2.1
VERNAL -YUMA	1	88.8-88.8	917552145.0	5.7	----	----
VICTORIA-WESTFORD	3	90.6-90.6	3967716620.2	6.4	9.0	.5
VNDNBERG-WESTFORD	12	89.8-91.6	4228947340.5	4.9	16.3	3.3
VNDNBERG-WHTHORSE	3	84.6-86.6	3058395620.3	15.4	21.8	3.4
VNDNBERG-YAKATAGA	4	84.6-86.6	3214772162.8	9.5	16.5	1.6
WESTFORD-WHTHORSE	4	88.6-89.6	4511164136.4	10.9	18.8	3.3
WESTFORD-YAKATAGA	7	88.6-90.4	4895738345.8	10.0	24.5	3.0
WESTFORD-YLOW7296	14	91.5-92.5	3506849220.7	1.5	5.4	1.2

Table 6.2

Length Statistical Summary, Rate of Change									
Baseline Name	Num Obs	Span yr to yr	Rate mm/yr	Sigma mm/yr	WRMS mm	Chi Sqr	Value at Epoch 1988.0	Sigma mm	Corre-lation
ALGOPARK-GILCREEK	41	84.7-92.9	2.1	.6	8.7	2.1	4475699378.0	2.36	-.81
ALGOPARK-KAUAI	9	90.5-92.5	1.7	9.6	20.6	2.1	7192645458.5	33.00	-.97
ALGOPARK-MOJAVE12	34	85.6-92.6	-1.1	1.5	8.9	3.1	3407219026.0	4.47	-.93
ALGOPARK-NRAO85 3	15	90.5-92.9	-1.8	2.3	3.4	1.0	848030633.4	6.30	-.91
ALGOPARK-PENTICTN	6	84.7-90.6	7.5	4.3	22.0	3.0	3074234618.0	11.02	-.07
ALGOPARK-RICHMOND	21	90.5-92.6	-1.8	1.9	5.9	1.4	2254545245.1	6.60	-.98
ALGOPARK-WESTFORD	42	84.7-92.9	-.3	.3	3.3	1.5	642611325.8	1.08	-.88
ALGOPARK-WETTZELL	22	90.5-92.9	20.2	2.4	9.8	1.7	6154929607.3	9.86	-.97
BLKBUTTE-HRAS 085	5	83.9-88.8	5.5	3.0	6.1	2.3	1158018149.8	3.92	.44
BLKBUTTE-MOJAVE12	12	83.9-88.8	2.7	1.9	6.7	2.0	213868855.6	2.72	.63
BLKBUTTE-VNDNBERG	12	83.9-88.8	28.2	2.1	6.8	2.4	462367712.8	2.71	.60
DEADMANL-MOJAVE12	5	84.2-88.1	4.9	9.1	12.4	5.1	131806791.4	8.04	.45
DEADMANL-VNDNBERG	5	84.2-88.1	35.5	10.6	15.7	4.7	400134235.4	11.56	.62
DSS45 -GILCREEK	15	88.5-92.5	-51.0	6.4	25.0	2.2	10526654629.3	16.39	-.91
DSS45 -HOBART26	13	89.9-92.6	.4	1.4	4.2	1.8	832194189.9	4.75	-.96
DSS45 -KASHIM34	6	90.2-92.3	-62.9	7.2	11.5	2.0	7436905212.2	22.54	-.97
DSS45 -KASHIMA	13	88.5-92.6	-48.4	4.0	16.1	2.6	7436721515.4	10.56	-.89
DSS45 -KAUAI	17	88.4-92.5	-55.3	4.8	20.3	2.9	7769504775.7	12.26	-.90
DSS45 -SESHAN25	19	88.5-92.6	-58.1	4.5	21.6	2.7	7411129019.5	12.73	-.91
DSS65 -MEDICINA	16	88.7-92.9	.8	.5	2.8	2.4	1378852888.3	1.90	-.92
DSS65 -NOTO	7	89.4-92.3	-6.1	1.9	4.0	5.1	1711832929.5	5.93	-.95
DSS65 -ONSALA60	15	88.8-92.9	-2.1	.9	4.8	4.7	2205023117.2	3.10	-.90
DSS65 -WETTZELL	15	88.7-92.9	-1.1	.7	3.6	4.4	1655418188.4	2.45	-.91
EFLSBERG-HAYSTACK	8	79.9-83.6	22.9	6.3	19.5	1.7	5591903718.2	41.30	.98
EFLSBERG-HRAS 085	7	80.6-83.6	5.6	13.2	38.5	1.9	8084184904.8	85.70	.98
EFLSBERG-ONSALA60	7	80.6-92.9	-1.5	.2	2.6	1.6	832210497.4	1.24	-.37
EFLSBERG-OVRO 130	8	79.9-83.6	81.6	38.3	33.0	2.3	8203743124.6	281.90	1.00
ELY -HATCREEK	9	85.3-89.3	3.5	1.8	6.9	2.5	590025840.5	2.60	.00
ELY -HRAS 085	10	84.3-89.3	1.4	2.0	8.2	1.9	1378547100.0	2.89	.01
ELY -MOJAVE12	12	84.3-90.8	-6.5	1.7	8.9	3.2	475517247.2	2.83	-.07
FLAGSTAF-HATCREEK	8	84.3-90.9	8.8	.7	3.8	.4	1062209394.7	1.58	.22
FLAGSTAF-HRAS 085	6	84.3-88.8	1.8	1.8	4.5	.9	879283110.0	3.37	.75
FLAGSTAF-MOJAVE12	8	84.3-90.9	4.1	1.0	4.6	1.4	478050190.8	1.96	.31
FORTORDS-GILCREEK	17	88.9-91.6	-42.3	5.2	13.4	1.6	3538522684.2	10.42	-.49
FORTORDS-MOJAVE12	19	88.9-91.6	35.3	1.5	5.4	1.9	462074913.4	3.25	-.91
FORT ORD-HATCREEK	10	84.2-88.1	-30.6	3.7	13.9	5.6	461111212.6	6.69	.68
FORT ORD-MOJAVE12	11	83.7-88.1	33.3	1.6	6.1	2.4	464719670.0	2.46	.55
FORT ORD-OVRO 130	5	83.7-87.8	13.8	1.7	3.6	.9	317067345.8	4.56	.89
FORT ORD-VNDNBERG	11	83.7-88.1	1.1	1.5	6.1	1.2	256852440.0	2.54	.60
GILCREEK-HARTRAO	6	90.4-92.6	-36.8	25.9	42.9	2.2	11997919416.3	102.98	-.98
GILCREEK-HATCREEK	65	85.4-90.8	-8.3	.7	9.6	2.3	3126752889.7	1.34	-.44
GILCREEK-HAYSTACK	24	84.7-92.5	-2.0	1.8	5.4	3.4	5039482225.0	3.44	-.94
GILCREEK-HOBART26	42	89.7-93.0	-29.5	4.8	30.1	1.7	10953029857.3	15.79	-.95
GILCREEK-HRAS 085	55	84.7-89.5	3.4	1.7	11.9	2.4	4725812329.5	1.64	.11
GILCREEK-KASHIM34	28	90.2-92.4	-5.5	2.4	9.2	1.8	5427062809.9	7.46	-.97
GILCREEK-KASHIMA	131	84.6-93.0	.3	.5	12.2	2.2	5427104370.7	1.13	-.31
GILCREEK-KAUAI	316	84.5-93.0	-45.5	.3	9.5	2.3	4728114591.5	1.06	-.86
GILCREEK-KODIAK	15	84.6-90.5	-3.5	.8	3.9	.5	848553596.3	1.20	-.42
GILCREEK-KWAJAL26	19	84.5-88.6	-19.6	4.4	24.8	2.5	6719676556.6	9.45	.77
GILCREEK-MATERA	36	90.8-93.0	-3.7	4.0	12.1	1.1	7659919142.7	18.23	-.99
GILCREEK-MEDICINA	5	89.0-92.9	1.4	3.2	6.1	.9	7266952155.2	12.10	-.96
GILCREEK-MOJAVE12	284	84.5-92.7	-10.2	.2	6.0	2.3	3816209156.9	.57	-.77
GILCREEK-NOME	10	84.5-90.5	-1.6	.8	5.6	1.2	848263841.1	2.04	.25
GILCREEK-NRAO85 3	201	89.1-93.0	-.1	1.4	9.3	2.1	5034926349.4	3.51	-.90
GILCREEK-ONSALA60	28	85.5-92.9	10.7	1.3	10.6	2.7	6066488152.7	5.69	-.93

Table 6.2 (continued)

Length Statistical Summary, Rate of Change									
Baseline Name	Num Obs	Span yr to yr	Rate mm/yr	Sigma mm/yr	WRMS mm	Chi Sqr	Value at Epoch 1988.0	Sigma mm	Corre-lation
GILCREEK-OVRO 130	12	85.4-88.9	-17.0	2.8	8.6	2.0	3584055699.2	2.79	.22
GILCREEK-PENTICTN	5	84.7-90.6	6.8	1.7	6.9	.6	2374175686.6	4.28	-.36
GILCREEK-PIETOWN	31	89.6-91.9	-6.9	1.1	3.9	3.0	4225114885.4	2.63	-.96
GILCREEK-PLATTVIL	10	85.4-90.8	5.7	2.4	11.7	1.7	3810424341.2	4.33	-.31
GILCREEK-PRESIDIO	10	88.1-91.5	-29.4	4.1	7.5	.7	3396404688.8	5.55	-.10
GILCREEK-PT REYES	12	88.1-91.5	-30.9	2.5	10.0	1.0	3352262237.6	5.45	-.81
GILCREEK-RICHMOND	172	87.3-92.6	-.9	.9	11.9	1.4	6117758541.5	3.06	-.95
GILCREEK-SESHAN25	20	88.3-92.6	-12.6	4.0	19.4	2.7	6635555882.9	9.22	-.87
GILCREEK-SNDPOINT	13	84.5-90.5	2.4	2.5	12.2	3.3	1284477828.3	4.43	-.56
GILCREEK-SOURDOGH	16	84.6-89.6	2.2	1.7	4.8	2.0	276378193.3	3.43	.85
GILCREEK-VNDNBERG	80	84.5-91.6	-40.7	.7	11.0	2.5	3775849555.7	1.25	-.11
GILCREEK-WESTFORD	229	84.7-93.0	.2	.3	6.6	2.3	5040099886.7	.88	-.87
GILCREEK-WETTZELL	95	84.7-93.0	10.0	1.0	8.7	2.3	6856771513.2	4.15	-.98
GILCREEK-WHTHORSE	9	84.6-89.6	-3.7	3.7	10.9	7.1	788869901.5	4.71	-.48
GILCREEK-YAKATAGA	16	84.6-90.4	-32.7	1.8	5.3	1.5	603048937.8	3.20	.65
GOLDVENU-MOJAVE12	5	83.7-88.5	-.2	.8	2.6	4.3	12567224.5	2.70	.83
GOLDVENU-ONSALA60	6	81.9-91.6	10.6	3.2	18.0	3.3	8024928139.2	11.37	-.61
GOLDVENU-OVRO 130	6	81.9-87.8	2.0	1.2	6.5	3.7	257587466.8	5.18	.78
GORF7102-MOJAVE12	7	89.8-92.5	3.1	4.2	7.8	2.0	3506892270.5	16.05	-.98
GORF7102-RICHMOND	8	89.4-92.5	1.1	2.0	5.5	1.3	1519989244.6	6.81	-.94
GORF7102-WESTFORD	9	89.4-92.5	-2.8	2.1	6.5	3.5	600947764.9	7.33	-.94
HARTRAO -HOBART26	46	90.0-93.0	23.3	8.9	42.7	2.0	9167618271.0	36.17	-.98
HARTRAO -HRAS 085	6	87.1-89.2	1.4	18.9	30.3	1.0	11878469237.1	20.75	-.68
HARTRAO -KASHIMA	9	90.3-92.6	-3.0	25.4	60.9	3.7	11181845933.9	107.17	-.98
HARTRAO -KAUAI	6	90.4-92.6	-49.8	21.6	37.6	1.2	12723069222.4	84.90	-.98
HARTRAO -MEDICINA	5	88.0-91.8	11.3	8.5	14.5	.9	7453222491.8	15.15	-.83
HARTRAO -MOJAVE12	29	90.0-92.5	10.5	11.7	39.2	1.8	12260679006.6	39.63	-.98
HARTRAO -ONSALA60	7	86.0-90.4	19.8	8.2	26.9	1.3	8525165629.2	12.53	.27
HARTRAO -RICHMOND	48	86.0-92.6	12.5	2.7	36.3	1.7	10814591277.0	8.43	-.77
HARTRAO -SESHAN25	11	90.3-92.6	-21.4	16.8	41.4	1.6	10160763520.8	62.85	-.98
HARTRAO -WESTFORD	63	86.0-92.9	14.9	2.2	33.9	1.7	10658658430.4	7.13	-.79
HARTRAO -WETTZELL	59	86.0-92.9	-3.1	1.5	21.5	1.7	7832322556.6	4.74	-.80
HATCREEK-HRAS 085	62	83.4-89.4	8.6	.8	9.5	2.6	1933473667.6	1.25	.20
HATCREEK-KASHIMA	16	84.2-90.1	-10.1	3.3	19.4	3.2	7557328236.5	5.54	.35
HATCREEK-KAUAI	17	85.4-90.8	4.7	1.2	7.3	1.4	4061718600.7	1.90	.12
HATCREEK-MOJAVE12	139	83.5-90.9	-.5	.3	6.8	2.9	729148668.7	.59	-.22
HATCREEK-MON PEAK	24	83.5-90.9	-28.5	1.7	14.3	4.9	986815215.1	3.09	.18
HATCREEK-OVRO 130	38	83.4-88.9	-2.4	.7	6.9	2.4	484321523.5	1.56	.68
HATCREEK-PLATTVIL	22	83.4-90.8	6.6	.9	8.3	2.3	1416314071.1	1.87	.17
HATCREEK-PRESIDIO	14	85.8-90.1	-16.9	1.9	6.7	1.8	344991835.7	2.88	.54
HATCREEK-PT REYES	16	84.2-90.0	-20.5	1.5	7.4	1.7	326628750.4	2.22	-.44
HATCREEK-QUINCY	17	83.5-90.8	-2.6	.6	4.8	1.1	103712237.8	1.27	.21
HATCREEK-VERNAL	8	86.2-90.8	11.3	1.5	5.5	1.5	1007489458.2	2.49	-.44
HATCREEK-VNDNBERG	92	84.2-90.1	-32.5	.6	7.7	3.2	698706401.4	.92	-.47
HATCREEK-WESTFORD	32	83.4-90.9	7.1	1.5	12.4	2.9	4032819075.6	3.16	-.70
HATCREEK-YUMA	12	85.2-88.8	10.9	3.6	10.9	3.5	1086071227.7	3.81	.42
HAYSTACK-HRAS 085	37	80.3-89.5	.3	.8	12.8	1.6	3135641003.1	4.24	.86
HAYSTACK-MOJAVE12	24	84.3-89.8	.4	.9	4.8	3.2	3904144264.9	1.63	-.78
HAYSTACK-NRAO 140	6	79.6-83.6	1.0	2.2	3.8	2.0	845129860.0	14.68	.99
HAYSTACK-ONSALA60	43	80.6-92.5	17.8	.6	13.9	2.0	5599714585.1	2.81	.63
HAYSTACK-OVRO 130	30	79.6-88.9	3.9	.9	10.9	1.9	3928881655.4	5.24	.92
HAYSTACK-WESTFORD	26	81.4-89.8	-.2	.2	1.7	1.4	1239395.9	.44	-.61
HAYSTACK-WETTZELL	6	84.7-86.7	10.6	6.6	10.2	2.4	5997390743.3	16.73	.95
HOBART26-KASHIM34	25	90.2-92.4	-51.3	5.0	20.8	1.9	8071309450.8	17.23	-.97
HOBART26-KASHIMA	16	89.7-93.0	-42.8	3.0	13.3	1.1	8071140720.0	9.52	-.93

Table 6.2 (continued)

Baseline Name	Num Obs	Span yr to yr	Rate mm/yr	Sigma mm/yr	WRMS mm	Chi Sqr	Value at Epoch 1988.0	Sigma mm	Corre-lation
Length Statistical Summary, Rate of Change									
HOBART26-KAUAI	20	89.7-92.9	-41.5	4.1	17.5	1.1	8268576720.5	12.98	-.95
HOBART26-MOJAVE12	26	90.0-92.4	-19.8	6.7	28.7	1.3	10845184340.9	22.08	-.96
HOBART26-SESHAN25	13	90.0-92.6	-33.0	7.0	21.4	1.7	7965496592.7	22.22	-.96
HOBART26-WESTFORD	6	90.4-92.6	-3.9	12.5	21.9	.9	12346564985.2	48.69	-.97
HRAS 085-KASHIMA	27	87.3-89.5	23.1	16.0	52.8	2.8	9027663349.7	12.32	-.51
HRAS 085-MOJAVE12	134	83.5-90.8	5.7	.4	7.3	3.7	1313368176.3	.64	.12
HRAS 085-MON PEAK	33	82.8-89.4	34.5	.9	8.7	2.3	1205751673.9	1.74	.43
HRAS 085-NRAO 140	7	80.3-88.8	-.9	1.1	8.5	3.8	2354634002.7	5.22	.68
HRAS 085-ONSALA60	107	80.6-89.4	12.8	1.2	27.5	1.7	7940732269.0	2.95	.41
HRAS 085-OVRO 130	74	80.3-88.8	7.4	.4	7.9	2.1	1508195427.6	1.32	.71
HRAS 085-PLATTVIL	20	83.4-89.3	-.2	1.1	7.2	1.6	1060499647.5	1.99	.52
HRAS 085-QUINCY	14	82.8-89.3	8.4	2.5	16.3	5.5	1849591451.5	4.75	.15
HRAS 085-RICHMOND	350	84.0-90.8	2.2	.3	9.6	1.9	2362632826.5	.52	.07
HRAS 085-VERNAL	6	86.2-89.3	1.5	3.2	7.2	2.5	1187981358.3	3.73	-.25
HRAS 085-VNDNBERG	44	83.9-89.4	36.1	.9	8.0	2.1	1617713903.2	1.25	.19
HRAS 085-WESTFORD	597	81.4-90.8	-1.1	.3	12.8	3.0	3134928006.4	.53	.18
HRAS 085-WETTZELL	415	83.9-90.8	14.3	.7	22.1	1.3	8417561516.6	1.10	-.14
HRAS 085-YUMA	18	83.8-88.8	1.6	1.9	8.2	3.1	1002949391.3	2.70	.66
JPL MV1 -MOJAVE12	21	83.5-88.9	5.8	1.2	9.0	3.2	171686446.5	2.86	.69
JPL MV1 -OVRO 130	19	82.8-88.9	-11.4	1.8	14.9	4.0	335941379.8	5.22	.72
JPL MV1 -PBLOSSOM	7	83.1-88.0	-2.6	2.2	7.0	1.2	41155677.5	6.17	.86
JPL MV1 -PINFLATS	6	83.8-87.0	5.1	2.1	3.6	.6	171805098.4	4.04	.89
JPL MV1 -VNDNBERG	18	83.6-88.9	8.2	1.5	7.8	2.6	228030988.0	2.48	.62
KASHIM34-MARCUS	11	90.5-92.5	-69.2	8.4	15.4	3.0	1812578332.3	27.42	-.98
KASHIM34-MOJAVE12	17	90.2-92.4	-14.4	4.8	14.0	1.3	8091883139.9	17.06	-.98
KASHIM34-SESHAN25	15	90.2-92.5	-23.6	3.3	9.3	2.3	1875725802.9	10.22	-.97
KASHIMA -KAUAI	74	84.6-92.9	-63.5	.7	12.8	2.4	5709360247.1	1.52	-.16
KASHIMA -KWAJAL26	16	84.6-88.6	-69.5	2.9	13.7	2.0	3936330522.6	6.02	.80
KASHIMA -MOJAVE12	56	84.1-91.2	-7.7	1.3	18.4	2.5	8091824104.4	2.52	.10
KASHIMA -ONSALA60	9	85.5-92.9	-11.4	3,6	26.2	4.8	7969643056.2	12.04	-.57
KASHIMA -RICHMOND	29	87.3-90.1	14.9	6.7	36.3	1.4	10279840839.7	11.13	-.78
KASHIMA -SESHAN25	22	88.3-92.6	-28.6	2.2	10.7	3.1	1875920125.9	4.66	-.86
KASHIMA -TSUKUBA	10	84.6-91.6	-.1	1.2	7.1	1.5	54548552.9	3.11	-.59
KASHIMA -VNDNBERG	27	85.4-90.1	-36.7	3.4	23.4	4.3	7913888137.0	5.21	.44
KASHIMA -WESTFORD	11	85.5-92.9	1.3	2.8	22.9	2.7	9502316539.3	8.91	-.52
KASHIMA -WETTZELL	15	84.7-92.6	-15.5	2.8	26.1	2.7	8475826950.2	7.79	-.37
KAUAI -KWAJAL26	20	84.5-88.6	.9	2.8	16.2	2.7	3725196314.0	6.06	.78
KAUAI -MATERA	22	90.8-92.9	-1.8	12.8	29.5	1.1	10894160916.6	48.72	-.99
KAUAI -MOJAVE12	73	84.5-92.6	19.6	.4	7.3	2.1	4303581293.3	1.22	-.69
KAUAI -NRAO85 3	182	89.1-93.0	20.5	2.6	15.3	2.1	7208031445.2	6.39	-.93
KAUAI -RICHMOND	129	88.4-92.6	29.3	1.8	16.6	1.8	7452634327.2	6.61	-.97
KAUAI -SESHAN25	21	88.3-92.6	-85.9	4.2	21.5	2.4	7310294139.8	9.66	-.86
KAUAI -VNDNBERG	32	84.5-90.1	2.1	1.7	15.0	5.1	3972522447.3	2.89	.33
KAUAI -WESTFORD	40	90.4-93.0	2.5	3.4	11.3	2.5	7676223211.0	13.62	-.99
KODIAK -MOJAVE12	10	87.5-90.5	-.9	3.2	9.8	1.1	3574416152.9	4.68	-.67
KWAJAL26-MOJAVE12	17	84.5-88.6	14.4	6.3	29.5	3.1	7576938640.8	14.67	.85
KWAJAL26-VNDNBERG	12	84.5-88.6	-3.0	12.3	37.2	5.7	7298104561.7	26.10	.89
MARCUS -SESHAN25	8	89.6-92.5	-97.8	7.9	14.2	1.2	3270841397.1	23.07	-.97
MARPOINT-RICHMOND	22	87.6-89.6	-.2	4.5	13.2	2.6	1442649214.6	5.90	-.86
MARPOINT-WESTFORD	9	82.5-89.4	1.1	1.5	12.3	5.8	676178922.1	5.17	.43
MATERA -NRAO85 3	35	90.8-92.9	9.9	4.4	13.1	.8	7354567882.1	18.70	-.66
MEDICINA-NOTO	6	90.1-92.3	-5.6	1.0	1.5	1.0	893724242.5	3.25	-.97
MEDICINA-ONSALA60	20	87.3-92.9	-2.4	.5	3.8	2.8	1429470400.5	1.94	-.89
MEDICINA-WESTFORD	20	87.3-92.9	18.0	1.2	7.3	.8	6144872367.6	2.25	-.64
MEDICINA-WETTZELL	25	87.3-92.9	-2.2	.3	2.5	2.0	522461130.8	1.02	-.86

Table 6.2 (continued)

Baseline Name	Num Obs	Span yr to yr	Rate mm/yr	Sigma mm/yr	WRMS mm	Chi Sqr	Value at Epoch 1988.0	Sigma mm	Corre- lation
MOJAVE12-MON PEAK	36	83.5-90.9	-22.0	.9	9.5	3.9	274055769.2	1.84	.47
MOJAVE12-NOTO	10	89.5-91.7	-2.0	5.9	15.5	.9	9422863899.2	15.57	-.94
MOJAVE12-NRA085 3	10	89.5-92.6	7.1	7.1	7.7	3.7	3262045645.2	16.22	-.94
MOJAVE12-ONSALA60	49	83.8-92.5	9.8	1.3	16.6	2.7	8021117527.3	3.12	-.61
MOJAVE12-OVRO 130	81	83.5-88.9	2.3	.4	6.1	2.7	245276456.5	.93	.67
MOJAVE12-PBLOSSOM	9	83.6-88.1	1.3	1.8	6.6	2.6	131184787.4	4.25	.81
MOJAVE12-PIETOWN	34	88.7-91.9	1.8	.9	3.3	7.3	809730831.1	2.07	-.96
MOJAVE12-PINFLATS	21	83.8-90.1	-12.0	.8	5.8	1.3	195109701.8	1.52	.47
MOJAVE12-PLATTVIL	21	84.3-90.8	-.3	.8	7.2	2.1	1196316951.0	1.69	.20
MOJAVE12-PRESIDIO	22	83.7-91.5	19.7	.9	7.8	2.9	568654973.2	1.82	-.28
MOJAVE12-PT REYES	20	83.7-91.5	28.4	.8	5.5	1.3	621424830.2	1.51	-.52
MOJAVE12-PVERDES	9	83.9-90.1	-3.2	1.1	4.8	1.0	224483710.9	1.92	-.34
MOJAVE12-QUINCY	20	83.5-90.8	2.5	1.1	8.5	3.0	627137773.2	2.00	.03
MOJAVE12-RICHMOND	221	84.0-92.6	3.7	.7	8.2	2.2	3594693012.2	2.03	-.96
MOJAVE12-SANPAULA	10	83.7-90.1	11.6	1.3	6.0	1.6	219618292.1	2.22	-.31
MOJAVE12-SNDPOINT	10	87.6-90.5	-22.6	6.5	14.3	1.6	3916865289.0	10.80	-.88
MOJAVE12-VERNAL	8	86.2-90.8	-1.1	1.5	5.4	1.6	848884616.8	2.46	-.45
MOJAVE12-VNDNBERG	163	83.6-91.6	16.8	.3	6.0	3.4	351282525.6	.47	-.12
MOJAVE12-WESTFORD	445	83.5-92.7	.4	.2	6.8	2.2	3903767758.0	.61	-.85
MOJAVE12-WETTZELL	266	84.7-92.7	6.5	.7	12.7	1.7	8588976447.3	2.07	-.92
MOJAVE12-YAKATAGA	10	87.6-90.4	21.4	5.5	15.2	2.8	3273878598.8	7.60	-.71
MOJAVE12-YUMA	21	83.8-88.8	7.6	1.2	5.6	2.0	362912405.0	1.70	.66
MON PEAK-OVRO 130	20	82.8-88.8	-24.8	1.5	11.1	3.9	510423682.5	4.00	.76
MON PEAK-QUINCY	13	83.5-88.8	-25.7	3.2	17.6	6.2	883538160.3	5.98	.46
MON PEAK-VNDNBERG	26	83.9-89.4	2.9	1.5	10.1	6.1	430216041.1	2.29	.44
MON PEAK-YUMA	8	83.8-87.9	28.0	1.9	4.6	2.0	207727043.5	3.60	.85
NOME -VNDNBERG	7	84.5-86.6	-57.7	11.8	19.5	1.2	4388694024.3	25.42	.94
NOTO -ONSALA60	9	89.4-92.3	-7.8	2.8	6.8	7.1	2280154905.7	8.40	-.95
NOTO -RICHMOND	9	89.5-91.7	17.4	6.5	15.7	1.2	8115263545.4	17.81	-.94
NOTO -WESTFORD	10	89.4-91.7	15.3	4.4	11.7	1.4	6744637365.0	10.99	-.93
NOTO -WETTZELL	22	89.4-92.0	-6.7	1.2	4.6	2.7	1371101072.1	3.08	-.94
NRAO85 3-RICHMOND	134	89.3-92.6	1.6	1.3	5.9	2.1	1419169132.3	2.92	-.94
NRAO85 3-WESTFORD	9	89.4-92.8	1.5	2.8	3.9	4.2	845216066.3	7.34	-.91
NRAO 140-OVRO 130	10	79.6-88.8	3.5	1.3	11.6	4.5	3324244221.4	6.94	.81
NRAO 140-WESTFORD	8	81.9-92.8	.6	.2	2.6	1.5	844148087.1	1.07	-.20
ONSALA60-OVRO 130	33	80.6-87.8	12.8	1.9	27.2	2.4	7914131053.6	9.02	.84
ONSALA60-RICHMOND	69	84.1-91.7	16.5	1.3	18.7	2.3	7307152565.5	3.21	-.70
ONSALA60-TROMSONO	8	89.6-92.7	1.2	2.3	8.6	3.8	1406156762.9	8.91	-.92
ONSALA60-WESTFORD	172	81.8-92.9	17.8	.3	11.8	2.6	5600741530.2	1.03	-.48
ONSALA60-WETTZELL	158	83.6-92.9	-.4	.1	4.3	2.6	919660998.3	.43	-.59
OVRO 130-PBLOSSOM	7	83.1-87.8	-7.7	1.2	3.4	.3	303497786.6	3.37	.90
OVRO 130-PINFLATS	7	83.8-86.8	-15.9	3.5	7.3	1.4	434649312.0	7.33	.90
OVRO 130-PLATTVIL	9	83.4-88.3	2.9	2.9	10.1	4.6	1220818764.2	5.22	.68
OVRO 130-PRESIDIO	8	83.7-88.9	16.6	2.0	8.2	4.1	374258389.4	4.03	.56
OVRO 130-PT REYES	6	83.7-88.9	23.9	1.8	6.2	1.6	421766841.5	3.48	.46
OVRO 130-QUINCY	14	82.8-88.8	-1.1	1.4	9.1	3.4	382696343.4	3.37	.63
OVRO 130-VNDNBERG	46	83.6-88.9	-8.7	.9	8.5	2.6	363980300.5	1.66	.63
OVRO 130-WESTFORD	29	81.5-88.8	3.2	.9	11.2	2.8	3928579377.9	3.06	.71
OVRO 130-WETTZELL	7	85.2-87.8	15.2	11.1	24.0	5.1	8500205044.0	21.50	.87
OVRO 130-YUMA	7	83.8-87.8	4.1	2.4	4.6	1.0	603989389.4	4.53	.89
PBLOSSOM-VNDNBERG	9	83.6-88.1	16.2	1.7	6.3	2.0	247362549.3	3.83	.79
PIETOWN -WESTFORD	33	88.7-91.9	-.6	1.3	4.6	4.5	3262799697.7	2.92	-.96
PINFLATS-VNDNBERG	20	83.8-90.1	17.0	1.0	6.1	1.4	397781434.0	1.61	.45
PINFLATS-YUMA	6	83.8-87.0	25.5	7.2	9.2	4.7	222910534.5	11.25	.91
PLATTVIL-WESTFORD	11	83.4-90.8	3.3	2.0	10.2	2.1	2752862689.6	3.43	-.16

Table 6.2 (continued)

Length Statistical Summary, Rate of Change									
Baseline Name	Num Obs	Span yr to yr	Rate mm/yr	Sigma mm/yr	WRMS mm	Chi Sqr	Value at Epoch 1988.0	Sigma mm	Corre- lation
PRESIDIO-VNDNBERG	20	83.7-90.1	-13.8	1.7	8.5	2.4	396580071.0	2.51	.29
PT REYES-VNDNBERG	18	83.7-90.0	-2.6	1.3	7.2	1.7	445233366.0	1.91	-.32
PVERDES -VNDNBERG	9	83.9-90.1	4.0	1.4	6.1	1.9	223065180.6	2.41	-.31
QUINCY -VNDNBERG	13	84.3-89.8	-30.0	1.7	7.8	2.2	601887725.5	2.40	-.18
RICHMOND-WESTFORD	562	84.0-92.6	-.1	.1	6.5	1.7	2044501753.4	.35	-.61
RICHMOND-WETTZELL	533	84.1-92.6	14.5	.3	15.3	1.6	7588398541.4	.97	-.73
SANPAULA-VNDNBERG	10	83.7-90.1	2.4	1.0	4.2	.9	149776487.6	1.61	-.37
SESHAN25-WETTZELL	9	90.3-92.6	-13.7	8.5	19.0	.8	8003555665.3	28 56	-.97
SOURDOGH-VNDNBERG	8	84.6-86.6	-32.2	8.9	14.7	1.3	3527016945.6	18.54	.95
TROMSONO-WESTFORD	5	89.6-92.7	25.0	2.5	5.6	.3	5474070322.6	10.22	-.95
TROMSONO-WETTZELL	8	89.6-92.7	.9	2.4	9.0	2.5	2296324583.3	9.00	-.91
VNDNBERG-YUMA	19	83.8-88.8	38.2	1.8	7.3	3.0	620341861.6	2.36	.66
WESTFORD-WETTZELL	748	83.9-93.0	17.7	.2	10.4	2.2	5998325401.8	.59	-.76

Table 6.3

Baseline Name	Sessions		Mean Statistics			Rate Statistics			
	Num Obs	Span yr to yr	Sigma mm	WRMS mm	Chi Sqr	Rate mm/yr	Sigma mm/yr	WRMS mm	Chi Sqr
ALGOPARK-GILCREEK	41	84.7-92.9	-----	-----	-----	-7.1	.4	4.9	1.11
ALGOPARK-GORF7102	1	92.5-92.5	2.5	-----	-----	-----	-----	-----	-----
ALGOPARK-HARTRAO	2	92.6-92.6	8.9	7.5	1.42	-----	-----	-----	-----
ALGOPARK-HRAS 085	5	84.7-85.7	1.9	3.9	.93	-----	-----	-----	-----
ALGOPARK-KASHIMA	3	92.6-92.8	11.3	9.3	2.97	-----	-----	-----	-----
ALGOPARK-KAUAI	9	90.5-92.5	-----	-----	-----	67.4	2.2	4.4	.47
ALGOPARK-KODIAK	3	90.5-90.5	2.0	3.8	.56	-----	-----	-----	-----
ALGOPARK-MATERA	8	91.4-92.8	10.8	13.4	4.53	-----	-----	-----	-----
ALGOPARK-MOJAVE12	34	85.6-92.6	-----	-----	-----	2.1	.8	4.6	1.60
ALGOPARK-NRA085 3	15	90.5-92.9	-----	-----	-----	2.7	3.7	5.5	4.25
ALGOPARK-PENTICTN	6	84.7-90.6	-----	-----	-----	-4.8	1.7	9.0	2.57
ALGOPARK-RICHMOND	21	90.5-92.6	-----	-----	-----	-7.6	2.1	6.8	3.81
ALGOPARK-SANTIA12	2	92.6-92.6	1.6	2.5	.44	-----	-----	-----	-----
ALGOPARK-SNDPOINT	3	90.5-90.5	2.8	4.9	.65	-----	-----	-----	-----
ALGOPARK-VICTORIA	3	90.6-90.6	.3	1.5	.08	-----	-----	-----	-----
ALGOPARK-WESTFORD	42	84.7-92.9	-----	-----	-----	-1.7	.6	5.6	4.91
ALGOPARK-WETTZELL	22	90.5-92.9	-----	-----	-----	-9.3	1.6	6.1	1.18
ALGOPARK-YELLOWKN	2	84.7-85.7	.0	.4	.01	-----	-----	-----	-----
ALGOPARK-YLOW7296	5	91.5-92.5	5.1	5.6	3.31	-----	-----	-----	-----
AUSTINTX-HRAS 085	1	87.5-87.5	3.9	-----	-----	-----	-----	-----	-----
AUSTINTX-RICHMOND	1	87.5-87.5	4.5	-----	-----	-----	-----	-----	-----
AUSTINTX-WESTFORD	1	87.5-87.5	5.1	-----	-----	-----	-----	-----	-----
AZORES -MOJAVE12	1	92.4-92.4	7.0	-----	-----	-----	-----	-----	-----
AZORES -RICHMOND	3	92.4-92.4	1.0	2.5	.32	-----	-----	-----	-----
AZORES -WESTFORD	4	92.4-92.4	1.7	3.5	.69	-----	-----	-----	-----
AZORES -WETTZELL	4	92.4-92.4	.6	2.0	.27	-----	-----	-----	-----
BERMUDA -MARPOINT	3	87.6-87.6	68.4	27.4	12.44	-----	-----	-----	-----
BERMUDA -RICHMOND	4	87.6-87.6	6.1	8.6	1.50	-----	-----	-----	-----
BERMUDA -WESTFORD	4	87.6-87.6	4.1	6.0	1.43	-----	-----	-----	-----
BLKBUTTE-ELY	2	88.8-88.8	9.2	5.4	2.94	-----	-----	-----	-----
BLKBUTTE-HATCREEK	5	87.1-88.8	6.4	7.8	2.70	-----	-----	-----	-----
BLKBUTTE-HRAS 085	5	83.9-88.8	-----	-----	-----	-2.4	2.2	4.7	.94
BLKBUTTE-MOJAVE12	12	83.9-88.8	-----	-----	-----	3.6	.7	2.9	.64
BLKBUTTE-MON PEAK	4	83.9-86.8	20.5	12.1	8.52	-----	-----	-----	-----
BLKBUTTE-OCOTILLO	2	84.2-85.0	1.1	2.5	.18	-----	-----	-----	-----
BLKBUTTE-OVRO 130	3	86.4-87.8	17.0	9.0	7.08	-----	-----	-----	-----
BLKBUTTE-PRESIDIO	2	87.4-87.8	5.5	5.3	1.11	-----	-----	-----	-----
BLKBUTTE-PT REYES	1	87.1-87.1	6.0	-----	-----	-----	-----	-----	-----
BLKBUTTE-VNDNBERG	12	83.9-88.8	-----	-----	-----	26.7	1.6	5.9	1.19
BLOOMIND-HRAS 085	1	87.6-87.6	11.3	-----	-----	-----	-----	-----	-----
BLOOMIND-WESTFORD	1	87.6-87.6	12.4	-----	-----	-----	-----	-----	-----
BREST -MOJAVE12	2	89.7-89.7	1.2	2.8	.18	-----	-----	-----	-----
BREST -NOTO	4	89.7-89.7	4.7	6.6	1.54	-----	-----	-----	-----
BREST -ONSALA60	1	89.7-89.7	5.8	-----	-----	-----	-----	-----	-----
BREST -RICHMOND	1	89.7-89.7	9.0	-----	-----	-----	-----	-----	-----
BREST -WESTFORD	2	89.7-89.7	10.3	7.3	1.99	-----	-----	-----	-----
BREST -WETTZELL	4	89.7-89.7	11.3	9.4	4.34	-----	-----	-----	-----
CARNUSTY-MOJAVE12	1	89.6-89.6	10.8	-----	-----	-----	-----	-----	-----
CARNUSTY-RICHMOND	1	89.6-89.6	9.3	-----	-----	-----	-----	-----	-----
CARNUSTY-WESTFORD	1	89.6-89.6	7.5	-----	-----	-----	-----	-----	-----

Table 6.3 (continued)

Transverse Statistical Summary									
Baseline Name	Sessions		Mean Statistics			Rate Statistics			
	Num Obs	Span yr to yr	Sigma mm	WRMS mm	Chi Sqr	Rate mm/yr	Sigma mm/yr	WRMS mm	Chi Sqr
CARNUSTY-WETTZELL	4	89.6-89.6	8.0	9.4	2.14	-----	-----	-----	-----
CARROLGA-HRAS 085	1	87.5-87.5	8.6	-----	-----	-----	-----	-----	-----
CARROLGA-RICHMOND	1	87.5-87.5	9.2	-----	-----	-----	-----	-----	-----
CARROLGA-WESTFORD	1	87.5-87.5	8.0	-----	-----	-----	-----	-----	-----
CHLBOLTN-HAYSTACK	7	80.8-80.8	3.6	8.0	1.18	-----	-----	-----	-----
CHLBOLTN-HRAS 085	7	80.8-80.8	2.3	7.4	.57	-----	-----	-----	-----
CHLBOLTN-ONSALA60	7	80.8-80.8	3.4	6.6	1.56	-----	-----	-----	-----
CHLBOLTN-OVRO 130	6	80.8-80.8	2.8	8.2	.61	-----	-----	-----	-----
DEADMANL-JPL MV1	1	88.1-88.1	8.8	-----	-----	-----	-----	-----	-----
DEADMANL-MOJAVE12	5	84.2-88.1	-----	-----	-----	5.4	4.1	5.1	1.61
DEADMANL-SANPAULA	4	84.2-87.9	13.0	14.6	2.39	-----	-----	-----	-----
DEADMANL-VNDNBERG	5	84.2-88.1	-----	-----	-----	30.7	8.4	11.9	1.97
DSS15 -GILCREEK	3	88.9-92.5	10.2	7.0	4.25	-----	-----	-----	-----
DSS15 -GOLDVENU	1	87.8-87.8	2.4	-----	-----	-----	-----	-----	-----
DSS15 -HAYSTACK	3	88.9-92.5	1.6	2.8	.67	-----	-----	-----	-----
DSS15 -KASHIMA	1	92.5-92.5	9.0	-----	-----	-----	-----	-----	-----
DSS15 -MEDICINA	1	92.5-92.5	8.2	-----	-----	-----	-----	-----	-----
DSS15 -MOJAVE12	1	87.8-87.8	1.7	-----	-----	-----	-----	-----	-----
DSS15 -MOJ 7288	1	87.8-87.8	1.9	-----	-----	-----	-----	-----	-----
DSS15 -ONSALA60	1	92.5-92.5	7.7	-----	-----	-----	-----	-----	-----
DSS15 -OVRO 130	2	87.8-88.9	.1	.5	.06	-----	-----	-----	-----
DSS15 -OVR 7853	1	87.8-87.8	2.8	-----	-----	-----	-----	-----	-----
DSS15 -YAKATAGA	1	89.6-89.6	4.9	-----	-----	-----	-----	-----	-----
DSS45 -GILCREEK	15	88.5-92.5	-----	-----	-----	21.1	1.5	6.3	.51
DSS45 -HARTRAO	8	91.3-92.6	2.1	6.8	.69	-----	-----	-----	-----
DSS45 -HOBART26	13	89.9-92.6	-----	-----	-----	4.9	1.5	4.7	3.71
DSS45 -KASHIM34	6	90.2-92.3	-----	-----	-----	-26.8	5.5	7.6	1.81
DSS45 -KASHIMA	13	88.5-92.6	-----	-----	-----	-28.5	1.1	4.5	.51
DSS45 -KAUAI	17	88.4-92.5	-----	-----	-----	-37.8	1.6	6.9	.81
DSS45 -KWAJAL26	3	88.5-88.6	1.2	3.6	.21	-----	-----	-----	-----
DSS45 -MEDICINA	1	91.8-91.8	20.1	-----	-----	-----	-----	-----	-----
DSS45 -MOJAVE12	1	88.4-88.4	12.3	-----	-----	-----	-----	-----	-----
DSS45 -SANTIA12	4	91.9-92.5	17.2	15.7	3.62	-----	-----	-----	-----
DSS45 -SESHAN25	19	88.5-92.6	-----	-----	-----	-17.7	1.8	8.7	1.37
DSS45 -USSURISK	1	92.2-92.2	33.8	-----	-----	-----	-----	-----	-----
DSS45 -WETTZELL	3	91.3-92.6	120.0	37.7	20.31	-----	-----	-----	-----
DSS65 -EFLSBERG	2	91.9-92.9	8.2	3.0	7.40	-----	-----	-----	-----
DSS65 -HRAS 085	1	88.8-88.8	5.3	-----	-----	-----	-----	-----	-----
DSS65 -KARLBURG	1	92.5-92.5	8.9	-----	-----	-----	-----	-----	-----
DSS65 -MATERA	10	91.0-92.9	4.6	5.4	6.46	-----	-----	-----	-----
DSS65 -MEDICINA	16	88.7-92.9	-----	-----	-----	-3.3	.5	2.5	1.64
DSS65 -MOJAVE12	1	88.8-88.8	5.6	-----	-----	-----	-----	-----	-----
DSS65 -NOTO	7	89.4-92.3	-----	-----	-----	-8.1	.9	1.9	1.00
DSS65 -ONSALA60	15	88.8-92.9	-----	-----	-----	-6.4	.5	2.9	1.52
DSS65 -RICHMOND	3	88.7-89.0	1.8	4.1	.38	-----	-----	-----	-----
DSS65 -TOULOUSE	1	92.4-92.4	4.5	-----	-----	-----	-----	-----	-----
DSS65 -WESTFORD	5	88.7-89.4	2.1	4.4	.86	-----	-----	-----	-----
DSS65 -WETTZELL	15	88.7-92.9	-----	-----	-----	-3.3	.5	2.4	1.43
EFLSBERG-HAYSTACK	8	79.9-83.6	-----	-----	-----	-8.5	2.9	8.5	.80
EFLSBERG-HRAS 085	7	80.6-83.6	-----	-----	-----	-17.9	4.8	10.2	.79

Table 6.3 (continued)

Transverse Statistical Summary									
Baseline Name	Sessions		Mean Statistics			Rate Statistics			
	Num Obs	Span yr to yr	Sigma mm	WRMS mm	Chi Sqr	Rate mm/yr	Sigma mm/yr	WRMS mm	Chi Sqr
EFLSBERG-MATERA	2	91.9-92.9	.9	1.0	.78	-----	-----	-----	-----
EFLSBERG-MEDICINA	2	91.9-92.9	.4	.6	.46	-----	-----	-----	-----
EFLSBERG-NRAO 140	3	79.9-83.6	22.5	56.9	.31	-----	-----	-----	-----
EFLSBERG-ONSALA60	7	80.6-92.9	-----	-----	-----	-3.0	.2	2.2	.99
EFLSBERG-OVRO 130	8	79.9-83.6	-----	-----	-----	-13.8	37.7	15.6	1.08
EFLSBERG-ROBLED32	1	83.3-83.3	8.8	-----	-----	-----	-----	-----	-----
EFLSBERG-VLA	2	83.6-83.6	26.3	53.5	.24	-----	-----	-----	-----
EFLSBERG-WESTFORD	1	83.3-83.3	8.3	-----	-----	-----	-----	-----	-----
EFLSBERG-WETTZELL	2	91.9-92.9	5.4	1.9	8.06	-----	-----	-----	-----
ELY -HATCREEK	9	85.3-89.3	-----	-----	-----	2.2	3.0	12.3	4.52
ELY -HRAS 085	10	84.3-89.3	-----	-----	-----	-6.3	1.5	7.3	1.66
ELY -MOJAVE12	12	84.3-90.8	-----	-----	-----	2.5	.7	3.6	.78
ELY -OVRO 130	1	86.3-86.3	5.7	-----	-----	-----	-----	-----	-----
ELY -PLATTVIL	3	84.3-86.3	2.2	5.0	.38	-----	-----	-----	-----
ELY -VNDNBERG	5	87.4-88.8	42.0	20.8	16.32	-----	-----	-----	-----
ELY -WESTFORD	4	89.3-90.8	1.9	4.9	.43	-----	-----	-----	-----
ELY -YUMA	3	87.4-88.3	1.3	3.0	.35	-----	-----	-----	-----
FD-VLBA -GILCREEK	12	92.5-93.0	2.5	5.4	2.32	-----	-----	-----	-----
FD-VLBA -HN-VLBA	1	92.7-92.7	2.3	-----	-----	-----	-----	-----	-----
FD-VLBA -HRAS 085	4	91.3-91.4	.6	.7	2.31	-----	-----	-----	-----
FD-VLBA -KAUAI	12	92.5-93.0	6.8	9.8	5.29	-----	-----	-----	-----
FD-VLBA -KP-VLBA	1	92.7-92.7	1.5	-----	-----	-----	-----	-----	-----
FD-VLBA -LA-VLBA	14	92.5-93.0	2.4	3.4	6.52	-----	-----	-----	-----
FD-VLBA -MOJAVE12	1	92.5-92.5	1.9	-----	-----	-----	-----	-----	-----
FD-VLBA -NL-VLBA	1	92.7-92.7	1.7	-----	-----	-----	-----	-----	-----
FD-VLBA -OV-VLBA	1	92.7-92.7	1.8	-----	-----	-----	-----	-----	-----
FD-VLBA -PIETOWN	3	92.7-93.0	2.7	1.7	5.22	-----	-----	-----	-----
FD-VLBA -WESTFORD	11	92.5-93.0	3.1	4.9	3.97	-----	-----	-----	-----
FD-VLBA -WETTZELL	12	92.5-93.0	.8	3.7	.48	-----	-----	-----	-----
FLAGSTAF-HATCREEK	8	84.3-90.9	-----	-----	-----	-1.9	1.4	7.4	1.77
FLAGSTAF-HRAS 085	6	84.3-88.8	-----	-----	-----	-2.5	3.4	8.6	3.04
FLAGSTAF-MOJAVE12	8	84.3-90.9	-----	-----	-----	6.5	1.2	5.9	1.30
FLAGSTAF-PLATTVIL	4	84.3-88.8	3.4	5.9	.98	-----	-----	-----	-----
FLAGSTAF-VERNAL	2	87.3-88.3	9.2	5.6	2.71	-----	-----	-----	-----
FLAGSTAF-WESTFORD	2	90.8-90.9	1.0	2.3	.19	-----	-----	-----	-----
FORTORDS-GILCREEK	17	88.9-91.6	-----	-----	-----	7.9	1.9	4.2	.72
FORTORDS-HATCREEK	16	88.9-90.1	5.7	9.2	5.76	-----	-----	-----	-----
FORTORDS-HAYSTACK	1	89.8-89.8	10.7	-----	-----	-----	-----	-----	-----
FORTORDS-MOJAVE12	19	88.9-91.6	-----	-----	-----	38.7	4.7	16.8	12.87
FORTORDS-OVRO 130	2	88.9-88.9	1.0	2.1	.22	-----	-----	-----	-----
FORTORDS-PRESIDIO	3	89.8-89.9	3.6	5.2	.99	-----	-----	-----	-----
FORTORDS-PT REYES	5	88.9-89.9	22.0	15.3	8.26	-----	-----	-----	-----
FORTORDS-QUINCY	2	89.8-89.8	1.2	2.4	.24	-----	-----	-----	-----
FORTORDS-VNDNBERG	17	88.9-90.1	14.1	15.9	12.66	-----	-----	-----	-----
FORTORDS-WESTFORD	11	89.8-91.6	50.0	30.4	27.05	-----	-----	-----	-----
FORTORDS-YLOW7296	2	91.6-91.6	3.7	3.8	.97	-----	-----	-----	-----
FORT ORD-GILCREEK	4	88.1-88.1	1.8	3.9	.63	-----	-----	-----	-----
FORT ORD-HATCREEK	10	84.2-88.1	-----	-----	-----	22.2	2.9	10.4	7.42
FORT ORD-HRAS 085	4	85.2-87.8	19.6	14.6	5.38	-----	-----	-----	-----
FORT ORD-JPL MV1	1	87.8-87.8	5.5	-----	-----	-----	-----	-----	-----

Table 6.3 (continued)

Transverse Statistical Summary

Baseline Name	Sessions		Mean Statistics			Rate Statistics			
	Num Obs	Span yr to yr	Sigma mm	WRMS mm	Chi Sqr	Rate mm/yr	Sigma mm/yr	WRMS mm	Chi Sqr
FORT ORD-MOJAVE12	11	83.7-88.1	-----	-----	-----	19.5	1.6	7.0	2.07
FORT ORD-MON PEAK	1	87.1-87.1	5.1	-----	-----	-----	-----	-----	-----
FORT ORD-OVRO 130	5	83.7-87.8	-----	-----	-----	29.9	5.5	13.0	6.65
FORT ORD-PRESIDIO	4	83.7-88.1	8.9	8.0	3.75	-----	-----	-----	-----
FORT ORD-PT REYES	3	87.4-88.1	5.5	6.0	1.70	-----	-----	-----	-----
FORT ORD-VNDNBERG	11	83.7-88.1	-----	-----	-----	1.6	1.6	7.0	2.97
FTD 7900-HRAS 085	1	88.8-88.8	2.5	-----	-----	-----	-----	-----	-----
FTD 7900-MOJAVE12	1	88.8-88.8	3.7	-----	-----	-----	-----	-----	-----
FTD 7900-PIETOWN	1	88.8-88.8	2.7	-----	-----	-----	-----	-----	-----
FTD 7900-WESTFORD	1	88.8-88.8	6.9	-----	-----	-----	-----	-----	-----
GILCREEK-GOLDVENU	4	88.5-91.6	10.3	7.8	5.25	-----	-----	-----	-----
GILCREEK-GORF7102	2	92.4-92.5	.8	1.7	.23	-----	-----	-----	-----
GILCREEK-HALEAKAL	3	88.5-88.5	2.6	4.7	.64	-----	-----	-----	-----
GILCREEK-HARTRAO	6	90.4-92.6	-----	-----	-----	-14.7	7.9	12.8	1.70
GILCREEK-HATCREEK	65	85.4-90.8	-----	-----	-----	-.1	.6	6.8	2.77
GILCREEK-HAYSTACK	24	84.7-92.5	-----	-----	-----	-9.7	.5	2.8	.68
GILCREEK-HOBART26	42	89.7-93.0	-----	-----	-----	24.6	1.8	11.1	1.22
GILCREEK-HOFN	3	92.6-92.6	5.1	5.7	1.65	-----	-----	-----	-----
GILCREEK-HOHNBERG	1	92.5-92.5	7.4	-----	-----	-----	-----	-----	-----
GILCREEK-HRAS 085	55	84.7-89.5	-----	-----	-----	-10.5	.6	4.7	.90
GILCREEK-KASHIM34	28	90.2-92.4	-----	-----	-----	15.8	1.5	5.7	1.00
GILCREEK-KASHIMA	131	84.6-93.0	-----	-----	-----	18.1	.2	5.5	.77
GILCREEK-KAUAI	316	84.5-93.0	-----	-----	-----	64.4	.2	5.4	1.04
GILCREEK-KODIAK	15	84.6-90.5	-----	-----	-----	8.2	.9	4.3	1.54
GILCREEK-KWAJAL26	19	84.5-88.6	-----	-----	-----	87.6	1.3	7.7	1.19
GILCREEK-LA-VLBA	27	91.4-93.0	2.2	6.1	3.40	-----	-----	-----	-----
GILCREEK-MARCUS	1	90.5-90.5	5.9	-----	-----	-----	-----	-----	-----
GILCREEK-MARPOINT	24	88.1-89.6	2.5	11.0	1.22	-----	-----	-----	-----
GILCREEK-MATERA	36	90.8-93.0	-----	-----	-----	-21.1	1.1	4.5	.38
GILCREEK-MEDICINA	5	89.0-92.9	-----	-----	-----	-21.3	2.3	5.3	.86
GILCREEK-MIZUSGSI	1	91.9-91.9	10.6	-----	-----	-----	-----	-----	-----
GILCREEK-MOJAVE12	284	84.5-92.7	-----	-----	-----	-4.4	.1	3.8	1.08
GILCREEK-NOBEY 6M	7	89.9-91.5	6.0	11.3	1.67	-----	-----	-----	-----
GILCREEK-NOME	10	84.5-90.5	-----	-----	-----	-3.1	1.0	6.6	2.09
GILCREEK-NOTO	4	89.5-91.2	10.2	12.2	2.09	-----	-----	-----	-----
GILCREEK-NRAO85 1	1	92.8-92.8	5.1	-----	-----	-----	-----	-----	-----
GILCREEK-NRAO85 3	201	89.1-93.0	-----	-----	-----	-10.4	.6	4.6	.69
GILCREEK-NRAO 140	2	90.7-92.8	24.1	9.8	6.08	-----	-----	-----	-----
GILCREEK-ONSALA60	28	85.5-92.9	-----	-----	-----	-13.9	.6	6.4	1.20
GILCREEK-OVRO 130	12	85.4-88.9	-----	-----	-----	-5.3	1.6	5.0	1.90
GILCREEK-PENTICTN	5	84.7-90.6	-----	-----	-----	-5.2	.2	1.1	.07
GILCREEK-PIETOWN	31	89.6-91.9	-----	-----	-----	-3.2	.7	2.3	.75
GILCREEK-PINFLATS	2	90.1-90.1	8.9	5.7	2.49	-----	-----	-----	-----
GILCREEK-PLATTVIL	10	85.4-90.8	-----	-----	-----	-5.2	.7	3.5	.68
GILCREEK-PRESIDIO	10	88.1-91.5	-----	-----	-----	10.0	1.9	3.3	.57
GILCREEK-PT REYES	12	88.1-91.5	-----	-----	-----	7.1	1.3	4.5	.85
GILCREEK-PVERDES	2	90.1-90.1	1.0	1.9	.30	-----	-----	-----	-----
GILCREEK-QUINCY	4	89.8-90.8	2.0	4.2	.67	-----	-----	-----	-----
GILCREEK-RICHMOND	172	87.3-92.6	-----	-----	-----	-13.4	.3	4.5	.46
GILCREEK-SANPAULA	2	90.1-90.1	.8	1.8	.21	-----	-----	-----	-----

Table 6.3 (continued)

Transverse Statistical Summary									
Baseline Name	Sessions		Mean Statistics			Rate Statistics			
	Num Obs	Span yr to yr	Sigma mm	WRMS mm	Chi Sqr	Rate mm/yr	Sigma mm/yr	WRMS mm	Chi Sqr
GILCREEK-SANTIA12	5	92.0-92.6	15.0	16.2	3.42	-----	-----	-----	-----
GILCREEK-SEATTLE1	2	90.6-90.6	3.6	3.9	.82	-----	-----	-----	-----
GILCREEK-SESHAN25	20	88.3-92.6	-----	-----	-----	-14.6	1.3	7.1	.89
GILCREEK-SEST	2	90.4-90.4	12.0	11.2	1.15	-----	-----	-----	-----
GILCREEK-SHANGHAI	1	86.5-86.5	42.6	-----	-----	-----	-----	-----	-----
GILCREEK-SNDPOINT	13	84.5-90.5	-----	-----	-----	6.5	.9	4.2	1.04
GILCREEK-SOURDOGH	16	84.6-89.6	-----	-----	-----	4.0	2.3	6.9	6.63
GILCREEK-TROMSONO	3	92.7-92.7	4.9	5.4	1.62	-----	-----	-----	-----
GILCREEK-TRYSILNO	12	91.9-92.2	1.0	4.5	.55	-----	-----	-----	-----
GILCREEK-USSURISK	1	92.2-92.2	38.7	-----	-----	-----	-----	-----	-----
GILCREEK-VICTORIA	3	90.6-90.6	1.4	3.0	.41	-----	-----	-----	-----
GILCREEK-VNDNBERG	80	84.5-91.6	-----	-----	-----	9.7	.4	6.1	1.70
GILCREEK-WESTFORD	229	84.7-93.0	-----	-----	-----	-8.9	.2	3.8	.74
GILCREEK-WETTZELL	95	84.7-93.0	-----	-----	-----	-17.4	.3	4.5	.55
GILCREEK-WHTHORSE	9	84.6-89.6	-----	-----	-----	4.6	3.3	10.4	9.34
GILCREEK-YAKATAGA	16	84.6-90.4	-----	-----	-----	3.7	.9	2.7	.68
GILCREEK-YELLOWKN	2	84.7-85.7	14.3	7.0	4.18	-----	-----	-----	-----
GILCREEK-YLOW7296	14	91.5-92.5	2.0	4.6	2.56	-----	-----	-----	-----
GOLDVENU-HAYSTACK	4	81.9-91.6	1.8	3.4	.87	-----	-----	-----	-----
GOLDVENU-HRAS 085	3	81.9-82.8	19.8	12.7	4.86	-----	-----	-----	-----
GOLDVENU-KASHIM34	1	90.6-90.6	7.2	-----	-----	-----	-----	-----	-----
GOLDVENU-KASHIMA	1	91.6-91.6	8.4	-----	-----	-----	-----	-----	-----
GOLDVENU-MEDICINA	2	90.6-91.2	16.6	9.6	2.99	-----	-----	-----	-----
GOLDVENU-MOJAVE12	5	83.7-88.5	-----	-----	-----	.3	.7	2.4	1.67
GOLDVENU-MOJ 7288	1	87.8-87.8	2.3	-----	-----	-----	-----	-----	-----
GOLDVENU-NRAO 140	1	81.9-81.9	5.8	-----	-----	-----	-----	-----	-----
GOLDVENU-ONSALA60	6	81.9-91.6	-----	-----	-----	-7.4	1.4	9.4	1.46
GOLDVENU-OVRO 130	6	81.9-87.8	-----	-----	-----	-1.4	.6	3.3	1.14
GOLDVENU-OVR 7853	1	87.8-87.8	2.1	-----	-----	-----	-----	-----	-----
GOLDVENU-PRESIDIO	1	83.7-83.7	11.1	-----	-----	-----	-----	-----	-----
GOLDVENU-PT REYES	1	83.7-83.7	9.9	-----	-----	-----	-----	-----	-----
GOLDVENU-QUINCY	1	82.8-82.8	6.8	-----	-----	-----	-----	-----	-----
GOLDVENU-VNDNBERG	1	83.7-83.7	8.8	-----	-----	-----	-----	-----	-----
GOLDVENU-WESTFORD	4	81.9-88.5	11.3	10.4	3.50	-----	-----	-----	-----
GORF7102-HRAS 085	1	89.4-89.4	5.2	-----	-----	-----	-----	-----	-----
GORF7102-MARPOINT	2	89.4-89.4	46.7	11.7	15.78	-----	-----	-----	-----
GORF7102-MOJAVE12	7	89.8-92.5	-----	-----	-----	-5.4	1.5	3.4	.58
GORF7102-NRAO85 3	4	89.4-91.7	6.2	6.0	3.19	-----	-----	-----	-----
GORF7102-RICHMOND	8	89.4-92.5	-----	-----	-----	-5.2	2.1	5.8	2.89
GORF7102-SANTIA12	1	91.9-91.9	10.6	-----	-----	-----	-----	-----	-----
GORF7102-WESTFORD	9	89.4-92.5	-----	-----	-----	.5	1.8	5.3	2.95
GORF7102-WETTZELL	1	91.9-91.9	9.0	-----	-----	-----	-----	-----	-----
GORF7102-YLOW7296	2	92.4-92.5	.0	.2	.01	-----	-----	-----	-----
GRASSE -MOJAVE12	1	89.7-89.7	11.8	-----	-----	-----	-----	-----	-----
GRASSE -NOTO	2	89.7-89.7	1.0	1.8	.30	-----	-----	-----	-----
GRASSE -RICHMOND	1	89.7-89.7	11.0	-----	-----	-----	-----	-----	-----
GRASSE -WESTFORD	1	89.7-89.7	9.1	-----	-----	-----	-----	-----	-----
GRASSE -WETTZELL	4	89.7-89.7	1.5	2.8	.85	-----	-----	-----	-----
HALEAKAL-KAUAI	3	88.5-88.5	32.2	14.3	10.19	-----	-----	-----	-----
HALEAKAL-MOJAVE12	3	88.5-88.5	1.3	3.5	.29	-----	-----	-----	-----

Table 6.3 (continued)

Transverse Statistical Summary									
Baseline Name	Sessions		Mean Statistics			Rate Statistics			
	Num Obs	Span yr to yr	Sigma mm	WRMS mm	Chi Sqr	Rate mm/yr	Sigma mm/yr	WRMS mm	Chi Sqr
HARTRAO -HOBART26	46	90.0-93.0	-----	-----	-----	-12.8	2.3	12.1	1.50
HARTRAO -HRAS 085	6	87.1-89.2	-----	-----	-----	-36.9	5.1	8.5	.44
HARTRAO -KASHIM34	7	90.4-92.3	18.1	22.6	3.85	-----	-----	-----	-----
HARTRAO -KASHIMA	9	90.3-92.6	-----	-----	-----	6.3	4.6	9.7	1.13
HARTRAO -KAUAI	6	90.4-92.6	-----	-----	-----	-42.0	9.8	16.1	2.53
HARTRAO -MATERA	5	91.9-92.6	5.8	8.4	1.90	-----	-----	-----	-----
HARTRAO -MEDICINA	5	88.0-91.8	-----	-----	-----	1.4	1.6	3.1	.16
HARTRAO -MOJAVE12	29	90.0-92.5	-----	-----	-----	-31.2	4.4	16.2	2.13
HARTRAO -NOTO	4	91.4-91.7	.6	2.6	.17	-----	-----	-----	-----
HARTRAO -NRAO85 3	6	91.9-92.6	18.3	20.5	4.01	-----	-----	-----	-----
HARTRAO -ONSALA60	7	86.0-90.4	-----	-----	-----	4.2	2.5	8.5	.89
HARTRAO -RICHMOND	48	86.0-92.6	-----	-----	-----	-20.3	1.2	16.8	2.00
HARTRAO -SANTIA12	29	91.9-93.0	4.3	15.2	2.26	-----	-----	-----	-----
HARTRAO -SESHAN25	11	90.3-92.6	-----	-----	-----	20.3	7.4	17.9	2.27
HARTRAO -SEST	2	90.4-90.4	.2	1.4	.01	-----	-----	-----	-----
HARTRAO -WESTFORD	63	86.0-92.9	-----	-----	-----	-21.1	.9	13.6	1.59
HARTRAO -WETTZELL	59	86.0-92.9	-----	-----	-----	4.4	.7	10.0	1.58
HATCREEK-HAYSTACK	2	84.3-89.8	5.1	5.4	.88	-----	-----	-----	-----
HATCREEK-HRAS 085	62	83.4-89.4	-----	-----	-----	-4.6	.6	7.1	1.49
HATCREEK-JPL MV1	2	83.5-87.8	272.0	32.5	70.12	-----	-----	-----	-----
HATCREEK-KASHIM34	1	90.8-90.8	8.9	-----	-----	-----	-----	-----	-----
HATCREEK-KASHIMA	16	84.2-90.1	-----	-----	-----	10.3	1.6	8.8	1.62
HATCREEK-KAUAI	17	85.4-90.8	-----	-----	-----	67.7	1.2	6.7	1.99
HATCREEK-KODIAK	2	87.5-87.5	.6	1.5	.14	-----	-----	-----	-----
HATCREEK-MAMMOTHL	1	83.5-83.5	6.5	-----	-----	-----	-----	-----	-----
HATCREEK-MOJAVE12	139	83.5-90.9	-----	-----	-----	-4.6	.3	5.9	2.97
HATCREEK-MON PEAK	24	83.5-90.9	-----	-----	-----	12.1	1.2	10.0	4.50
HATCREEK-OVRO 130	38	83.4-88.9	-----	-----	-----	-3.0	.7	6.9	3.15
HATCREEK-PINFLATS	2	90.1-90.1	4.6	3.7	1.58	-----	-----	-----	-----
HATCREEK-PLATTVIL	22	83.4-90.8	-----	-----	-----	3.8	.7	6.9	1.40
HATCREEK-PRESIDIO	14	85.8-90.1	-----	-----	-----	14.3	2.2	7.8	5.43
HATCREEK-PT REYES	16	84.2-90.0	-----	-----	-----	26.0	1.0	5.1	1.52
HATCREEK-PVERDES	4	89.1-90.1	.6	1.9	.28	-----	-----	-----	-----
HATCREEK-QUINCY	17	83.5-90.8	-----	-----	-----	1.6	.8	5.8	2.49
HATCREEK-SANPAULA	4	89.1-90.1	2.1	3.7	.92	-----	-----	-----	-----
HATCREEK-SNDPOINT	1	87.6-87.6	79.9	-----	-----	-----	-----	-----	-----
HATCREEK-VERNAL	8	86.2-90.8	-----	-----	-----	1.7	2.3	8.7	2.59
HATCREEK-VNDNBERG	92	84.2-90.1	-----	-----	-----	17.8	.5	6.9	4.47
HATCREEK-WESTFORD	32	83.4-90.9	-----	-----	-----	.4	1.2	9.3	2.85
HATCREEK-YAKATAGA	3	87.6-87.6	2.6	4.1	.81	-----	-----	-----	-----
HATCREEK-YUMA	12	85.2-88.8	-----	-----	-----	-2.9	2.3	7.3	1.78
HAYSTACK-HRAS 085	37	80.3-89.5	-----	-----	-----	-6.2	.3	5.0	.52
HAYSTACK-KASHIM34	1	90.6-90.6	8.5	-----	-----	-----	-----	-----	-----
HAYSTACK-KASHIMA	4	84.7-92.5	115.1	37.5	28.19	-----	-----	-----	-----
HAYSTACK-KODIAK	1	89.5-89.5	6.2	-----	-----	-----	-----	-----	-----
HAYSTACK-MARPOINT	2	82.5-82.5	7.6	4.1	3.49	-----	-----	-----	-----
HAYSTACK-MEDICINA	3	90.6-92.5	9.9	8.2	2.91	-----	-----	-----	-----
HAYSTACK-MOJAVE12	24	84.3-89.8	-----	-----	-----	-.4	.4	2.7	.96
HAYSTACK-NRAO 140	6	79.6-83.6	-----	-----	-----	-3.7	3.0	3.2	1.08
HAYSTACK-ONSALA60	43	80.6-92.5	-----	-----	-----	-3.7	.3	6.4	.63

Table 6.3 (continued)

Baseline Name	Num Obs	Span yr to yr	Sigma mm	WRMS mm	Chi Sqr	Rate mm/yr	Sigma mm/yr	WRMS mm	Chi Sqr
Transverse Statistical Summary									
	Sessions		Mean Statistics			Rate Statistics			
HAYSTACK-OVRO 130	30	79.6-88.9	-----	-----	-----	.0	.5	6.7	.87
HAYSTACK-PIETOWN	13	89.6-89.8	1.2	2.8	2.24	-----	-----	-----	-----
HAYSTACK-PLATTVIL	1	84.3-84.3	7.2	-----	-----	-----	-----	-----	-----
HAYSTACK-PRESIDIO	1	89.8-89.8	10.5	-----	-----	-----	-----	-----	-----
HAYSTACK-ROBLED32	1	83.3-83.3	8.6	-----	-----	-----	-----	-----	-----
HAYSTACK-VLA	1	83.6-83.6	61.4	-----	-----	-----	-----	-----	-----
HAYSTACK-VNDNBERG	1	89.8-89.8	9.7	-----	-----	-----	-----	-----	-----
HAYSTACK-WESTFORD	26	81.4-89.8	-----	-----	-----	.0	.3	2.8	3.97
HAYSTACK-WETTZELL	6	84.7-86.7	-----	-----	-----	-3.7	2.4	3.6	.55
HAYSTACK-YAKATAGA	1	89.6-89.6	5.2	-----	-----	-----	-----	-----	-----
HN-VLBA -KP-VLBA	1	92.7-92.7	2.5	-----	-----	-----	-----	-----	-----
HN-VLBA -NL-VLBA	1	92.7-92.7	1.7	-----	-----	-----	-----	-----	-----
HN-VLBA -OV-VLBA	1	92.7-92.7	2.8	-----	-----	-----	-----	-----	-----
HN-VLBA -PIETOWN	1	92.7-92.7	2.6	-----	-----	-----	-----	-----	-----
HOBART26-KASHIM34	25	90.2-92.4	-----	-----	-----	-22.0	2.3	8.5	1.23
HOBART26-KASHIMA	16	89.7-93.0	-----	-----	-----	-20.6	1.5	7.1	1.09
HOBART26-KAUAI	20	89.7-92.9	-----	-----	-----	-34.3	2.9	12.5	2.08
HOBART26-MOJAVE12	26	90.0-92.4	-----	-----	-----	39.5	3.1	12.5	1.25
HOBART26-NOBEY 6M	4	90.2-91.5	9.6	12.1	1.90	-----	-----	-----	-----
HOBART26-ONSALA60	2	90.4-90.4	2.1	4.6	.20	-----	-----	-----	-----
HOBART26-SANTIA12	20	91.9-93.0	4.7	13.9	2.19	-----	-----	-----	-----
HOBART26-SESHAN25	13	90.0-92.6	-----	-----	-----	-10.1	3.6	11.0	2.05
HOBART26-SEST	2	90.4-90.4	8.6	9.4	.84	-----	-----	-----	-----
HOBART26-USSURISK	1	92.2-92.2	33.7	-----	-----	-----	-----	-----	-----
HOBART26-WESTFORD	6	90.4-92.6	-----	-----	-----	54.9	6.8	11.8	1.36
HOBART26-WETTZELL	7	91.3-92.6	38.8	30.8	9.55	-----	-----	-----	-----
HOFN -ONSALA60	3	92.6-92.6	5.8	5.2	2.51	-----	-----	-----	-----
HOFN -RICHMOND	1	92.6-92.6	27.1	-----	-----	-----	-----	-----	-----
HOFN -WESTFORD	3	92.6-92.6	.8	2.2	.26	-----	-----	-----	-----
HOFN -WETTZELL	3	92.6-92.6	6.0	5.4	2.51	-----	-----	-----	-----
HOHENFRG-MOJAVE12	2	89.5-89.5	2.1	3.7	.33	-----	-----	-----	-----
HOHENFRG-NOTO	5	89.5-89.5	2.8	5.1	1.24	-----	-----	-----	-----
HOHENFRG-RICHMOND	2	89.5-89.5	.3	1.2	.04	-----	-----	-----	-----
HOHENFRG-WESTFORD	2	89.5-89.5	1.0	2.2	.19	-----	-----	-----	-----
HOHENFRG-WETTZELL	5	89.5-89.5	4.7	5.0	3.51	-----	-----	-----	-----
HOHNBERG-WESTFORD	1	92.5-92.5	6.9	-----	-----	-----	-----	-----	-----
HOHNBERG-WETTZELL	3	92.5-92.5	4.0	4.5	1.58	-----	-----	-----	-----
HRAS 085-JPL MV1	3	82.8-87.8	70.2	25.5	15.17	-----	-----	-----	-----
HRAS 085-KASHIMA	27	87.3-89.5	-----	-----	-----	1.6	1.5	5.1	.22
HRAS 085-KODIAK	1	89.5-89.5	6.2	-----	-----	-----	-----	-----	-----
HRAS 085-LEONRDOK	1	87.6-87.6	4.8	-----	-----	-----	-----	-----	-----
HRAS 085-MAMMOTHL	1	83.5-83.5	12.2	-----	-----	-----	-----	-----	-----
HRAS 085-MARPOINT	3	82.8-89.4	38.7	17.3	9.94	-----	-----	-----	-----
HRAS 085-MCD 7850	1	88.8-88.8	2.3	-----	-----	-----	-----	-----	-----
HRAS 085-MEDICINA	12	87.3-89.1	7.2	14.9	2.57	-----	-----	-----	-----
HRAS 085-MILESMON	1	88.3-88.3	5.0	-----	-----	-----	-----	-----	-----
HRAS 085-MOJAVE12	134	83.5-90.8	-----	-----	-----	1.8	.2	4.8	1.61
HRAS 085-MON PEAK	33	82.8-89.4	-----	-----	-----	16.0	.9	8.7	1.93
HRAS 085-NRAO85 3	1	89.4-89.4	4.3	-----	-----	-----	-----	-----	-----
HRAS 085-NRAO 140	7	80.3-88.8	-----	-----	-----	-6.3	.7	4.5	1.38

Table 6.3 (continued)

Transverse Statistical Summary									
Baseline Name	Sessions		Mean Statistics			Rate Statistics			
	Num Obs	Span yr to yr	Sigma mm	WRMS mm	Chi Sqr	Rate mm/yr	Sigma mm/yr	WRMS mm	Chi Sqr
HRAS 085-ONSALA60	107	80.6-89.4	-----	-----	-----	-13.4	.3	7.6	.54
HRAS 085-OVRO 130	74	80.3-88.8	-----	-----	-----	-.8	.4	8.2	2.65
HRAS 085-PENTICTN	3	84.7-85.7	7.9	7.5	2.20	-----	-----	-----	-----
HRAS 085-PIETOWN	3	88.7-88.8	.2	.7	.21	-----	-----	-----	-----
HRAS 085-PINFLATS	5	85.8-87.0	4.3	7.0	1.50	-----	-----	-----	-----
HRAS 085-PLATTVIL	20	83.4-89.3	-----	-----	-----	-3.8	.7	4.8	1.54
HRAS 085-PRESIDIO	4	85.2-87.1	.7	2.9	.18	-----	-----	-----	-----
HRAS 085-PT REYES	2	85.2-85.8	7.1	6.5	1.17	-----	-----	-----	-----
HRAS 085-QUINCY	14	82.8-89.3	-----	-----	-----	-4.9	1.4	8.9	1.62
HRAS 085-RICHMOND	350	84.0-90.8	-----	-----	-----	-7.9	.3	8.4	1.90
HRAS 085-ROBLED32	1	83.3-83.3	13.5	-----	-----	-----	-----	-----	-----
HRAS 085-VERNAL	6	86.2-89.3	-----	-----	-----	-1.7	2.5	5.8	2.15
HRAS 085-VLA	1	83.6-83.6	59.3	-----	-----	-----	-----	-----	-----
HRAS 085-VNDNBERG	44	83.9-89.4	-----	-----	-----	24.9	.9	8.4	1.79
HRAS 085-WESTFORD	597	81.4-90.8	-----	-----	-----	-7.8	.1	5.6	.92
HRAS 085-WETTZELL	415	83.9-90.8	-----	-----	-----	-18.0	.2	5.7	.30
HRAS 085-YELLOWKN	2	84.7-85.7	.3	1.1	.09	-----	-----	-----	-----
HRAS 085-YUMA	18	83.8-88.8	-----	-----	-----	-1.5	1.7	6.9	1.73
JPL MV1 -MAMMOTHL	4	83.5-86.8	33.3	16.8	11.86	-----	-----	-----	-----
JPL MV1 -MOJAVE12	21	83.5-88.9	-----	-----	-----	24.0	1.0	6.4	1.78
JPL MV1 -MON PEAK	1	82.8-82.8	6.9	-----	-----	-----	-----	-----	-----
JPL MV1 -OVRO 130	19	82.8-88.9	-----	-----	-----	19.6	1.3	9.8	4.37
JPL MV1 -PBLOSSOM	7	83.1-88.0	-----	-----	-----	8.1	3.1	9.5	2.40
JPL MV1 -PINFLATS	6	83.8-87.0	-----	-----	-----	2.1	3.1	5.7	1.19
JPL MV1 -PRESIDIO	2	88.8-88.9	10.4	6.4	2.60	-----	-----	-----	-----
JPL MV1 -QUINCY	1	82.8-82.8	31.6	-----	-----	-----	-----	-----	-----
JPL MV1 -VNDNBERG	18	83.6-88.9	-----	-----	-----	14.0	1.8	9.2	2.35
KARLBURG-MATERA	1	92.5-92.5	6.2	-----	-----	-----	-----	-----	-----
KARLBURG-MEDICINA	1	92.5-92.5	7.2	-----	-----	-----	-----	-----	-----
KARLBURG-MOJAVE12	1	92.5-92.5	9.4	-----	-----	-----	-----	-----	-----
KARLBURG-ONSALA60	2	92.5-92.5	.1	.5	.04	-----	-----	-----	-----
KARLBURG-WESTFORD	1	92.5-92.5	7.0	-----	-----	-----	-----	-----	-----
KARLBURG-WETTZELL	1	92.5-92.5	2.8	-----	-----	-----	-----	-----	-----
KASHIM34-KASHIMA	7	90.2-90.5	.8	2.5	.59	-----	-----	-----	-----
KASHIM34-KAUAI	11	90.2-92.2	4.4	9.1	2.34	-----	-----	-----	-----
KASHIM34-MARCUS	11	90.5-92.5	-----	-----	-----	29.2	4.2	7.2	1.36
KASHIM34-MATERA	1	92.2-92.2	8.4	-----	-----	-----	-----	-----	-----
KASHIM34-MEDICINA	1	90.6-90.6	8.3	-----	-----	-----	-----	-----	-----
KASHIM34-MOJAVE12	17	90.2-92.4	-----	-----	-----	3.2	3.5	10.0	1.53
KASHIM34-NOBEY 6M	5	90.2-91.5	2.6	5.9	.80	-----	-----	-----	-----
KASHIM34-NRAO85 3	1	92.2-92.2	8.5	-----	-----	-----	-----	-----	-----
KASHIM34-ONSALA60	3	90.4-90.6	5.0	7.1	.98	-----	-----	-----	-----
KASHIM34-SANTIA12	2	92.0-92.0	1.0	2.9	.11	-----	-----	-----	-----
KASHIM34-SESHAN25	15	90.2-92.5	-----	-----	-----	-19.2	2.1	5.7	1.20
KASHIM34-SEST	2	90.4-90.4	15.2	13.7	1.24	-----	-----	-----	-----
KASHIM34-SINTOTU	1	90.6-90.6	4.3	-----	-----	-----	-----	-----	-----
KASHIM34-WESTFORD	4	90.4-92.0	2.8	6.1	.66	-----	-----	-----	-----
KASHIM34-WETTZELL	4	91.3-92.0	.7	2.9	.16	-----	-----	-----	-----
KASHIMA -KAUAI	74	84.6-92.9	-----	-----	-----	-10.6	.4	6.6	1.18
KASHIMA -KWAJAL26	16	84.6-88.6	-----	-----	-----	29.3	1.7	9.3	1.36

Table 6.3 (continued)

Transverse Statistical Summary									
Baseline Name	Sessions		Mean Statistics			Rate Statistics			
	Num Obs	Span yr to yr	Sigma mm	WRMS mm	Chi Sqr	Rate mm/yr	Sigma mm/yr	WRMS mm	Chi Sqr
KASHIMA -MARCUS	4	89.6-90.5	10.6	10.9	2.82	-----	-----	-----	-----
KASHIMA -MATERA	7	92.6-92.8	2.3	6.6	.73	-----	-----	-----	-----
KASHIMA -MEDICINA	3	90.4-92.9	13.5	12.0	2.53	-----	-----	-----	-----
KASHIMA -MIYAZAKI	4	86.8-88.8	3.2	7.1	.62	-----	-----	-----	-----
KASHIMA -MIZUSGSI	6	91.7-91.9	1.0	2.9	.59	-----	-----	-----	-----
KASHIMA -MOJAVE12	56	84.1-91.2	-----	-----	-----	5.9	.4	5.1	.50
KASHIMA -NOBEY 6M	3	89.9-90.2	2.9	4.9	.68	-----	-----	-----	-----
KASHIMA -NRAO85 3	7	92.6-92.8	2.0	5.9	.68	-----	-----	-----	-----
KASHIMA -ONSALA60	9	85.5-92.9	-----	-----	-----	2.5	.9	6.7	.81
KASHIMA -RICHMOND	29	87.3-90.1	-----	-----	-----	4.2	1.9	9.4	.55
KASHIMA -SAGARA	1	92.9-92.9	9.4	-----	-----	-----	-----	-----	-----
KASHIMA -SANTIA12	7	92.5-92.6	2.9	9.0	.62	-----	-----	-----	-----
KASHIMA -SESHAN25	22	88.3-92.6	-----	-----	-----	-15.4	1.6	7.7	2.51
KASHIMA -SHANGHAI	1	86.5-86.5	21.6	-----	-----	-----	-----	-----	-----
KASHIMA -SINTOTU	3	90.6-90.6	1.0	2.4	.35	-----	-----	-----	-----
KASHIMA -TITIJIMA	4	87.9-89.9	66.3	28.8	15.94	-----	-----	-----	-----
KASHIMA -TSUKUBA	10	84.6-91.6	-----	-----	-----	-.1	.9	5.0	.73
KASHIMA -USUDA64	1	90.6-90.6	5.8	-----	-----	-----	-----	-----	-----
KASHIMA -VNDNBERG	27	85.4-90.1	-----	-----	-----	-2.2	.9	6.1	.83
KASHIMA -WESTFORD	11	85.5-92.9	-----	-----	-----	9.4	.8	5.9	.57
KASHIMA -WETTZELL	15	84.7-92.6	-----	-----	-----	1.8	.5	5.1	.43
KASHIMA -WHTHORSE	1	89.6-89.6	8.9	-----	-----	-----	-----	-----	-----
KAUAI -KWAJAL26	20	84.5-88.6	-----	-----	-----	3.3	1.9	12.1	1.92
KAUAI -LA-VLBA	26	91.4-93.0	50.0	32.7	58.54	-----	-----	-----	-----
KAUAI -MARPOINT	6	88.4-89.4	52.0	46.1	6.34	-----	-----	-----	-----
KAUAI -MATERA	22	90.8-92.9	-----	-----	-----	36.0	2.3	6.3	.42
KAUAI -MOJAVE12	73	84.5-92.6	-----	-----	-----	63.2	.3	5.2	1.27
KAUAI -NOTO	3	89.5-91.2	89.3	35.9	12.38	-----	-----	-----	-----
KAUAI -NRAO85 3	182	89.1-93.0	-----	-----	-----	63.8	1.3	7.8	1.08
KAUAI -ONSALA60	2	90.4-90.4	.1	.7	.01	-----	-----	-----	-----
KAUAI -PIETOWN	6	91.1-91.9	38.4	17.5	24.02	-----	-----	-----	-----
KAUAI -RICHMOND	129	88.4-92.6	-----	-----	-----	56.8	.8	7.8	1.00
KAUAI -SANTIA12	5	92.0-92.6	8.5	13.3	1.63	-----	-----	-----	-----
KAUAI -SESHAN25	21	88.3-92.6	-----	-----	-----	-26.7	1.5	8.3	1.12
KAUAI -SEST	2	90.4-90.4	19.3	15.0	1.65	-----	-----	-----	-----
KAUAI -SHANGHAI	1	86.5-86.5	22.1	-----	-----	-----	-----	-----	-----
KAUAI -USSURISK	1	92.2-92.2	53.7	-----	-----	-----	-----	-----	-----
KAUAI -VNDNBERG	32	84.5-90.1	-----	-----	-----	32.3	.9	7.5	2.02
KAUAI -WESTFORD	40	90.4-93.0	-----	-----	-----	67.3	1.6	6.0	1.01
KAUAI -WETTZELL	39	91.1-93.0	11.3	23.8	8.58	-----	-----	-----	-----
KAUAI -WHTHORSE	1	89.6-89.6	7.7	-----	-----	-----	-----	-----	-----
KIRSBERG-ONSALA60	3	92.5-92.5	7.6	5.3	4.14	-----	-----	-----	-----
KIRSBERG-WETTZELL	3	92.5-92.5	.7	1.5	.46	-----	-----	-----	-----
KODIAK -MOJAVE12	10	87.5-90.5	-----	-----	-----	-4.6	1.5	4.5	.90
KODIAK -NOME	4	84.6-86.6	3.2	6.0	.87	-----	-----	-----	-----
KODIAK -VNDNBERG	4	84.6-86.6	8.1	9.9	2.02	-----	-----	-----	-----
KODIAK -WESTFORD	8	88.5-90.5	5.4	9.2	2.37	-----	-----	-----	-----
KP-VLBA -NL-VLBA	1	92.7-92.7	1.8	-----	-----	-----	-----	-----	-----
KP-VLBA -OV-VLBA	1	92.7-92.7	1.7	-----	-----	-----	-----	-----	-----
KP-VLBA -PIETOWN	1	92.7-92.7	1.7	-----	-----	-----	-----	-----	-----

Table 6.3 (continued)

Transverse Statistical Summary									
Baseline Name	Sessions		Mean Statistics			Rate Statistics			
	Num Obs	Span yr to yr	Sigma mm	WRMS mm	Chi Sqr	Rate mm/yr	Sigma mm/yr	WRMS mm	Chi Sqr
KWAJAL26-MOJAVE12	17	84.5-88.6	-----	-----	-----	65.6	2.4	12.6	1.63
KWAJAL26-SESHAN25	3	88.5-88.6	3.3	6.0	.63	-----	-----	-----	-----
KWAJAL26-VNDNBERG	12	84.5-88.6	-----	-----	-----	38.9	4.4	14.8	2.47
LA-VLBA -MOJAVE12	15	91.4-92.3	2.1	3.5	5.02	-----	-----	-----	-----
LA-VLBA -NRAO85 1	1	92.8-92.8	2.6	-----	-----	-----	-----	-----	-----
LA-VLBA -NRAO85 3	1	92.8-92.8	2.6	-----	-----	-----	-----	-----	-----
LA-VLBA -NRAO 140	1	92.8-92.8	2.6	-----	-----	-----	-----	-----	-----
LA-VLBA -PIETOWN	6	91.4-93.0	7.0	3.5	20.01	-----	-----	-----	-----
LA-VLBA -WESTFORD	28	91.4-93.0	.9	3.3	1.78	-----	-----	-----	-----
LA-VLBA -WETTZELL	28	91.4-93.0	1.9	7.5	1.78	-----	-----	-----	-----
LEONRDOK-RICHMOND	1	87.6-87.6	5.1	-----	-----	-----	-----	-----	-----
LEONRDOK-WESTFORD	1	87.6-87.6	6.1	-----	-----	-----	-----	-----	-----
MAMMOTHL-MOJAVE12	4	83.5-86.8	17.9	11.1	7.85	-----	-----	-----	-----
MAMMOTHL-OVRO 130	4	83.5-86.8	4.6	6.5	1.55	-----	-----	-----	-----
MAMMOTHL-VNDNBERG	2	84.8-86.8	112.8	17.1	43.51	-----	-----	-----	-----
MARCUS -SESHAN25	8	89.6-92.5	-----	-----	-----	-16.4	7.5	14.5	2.54
MARPOINT-MEDICINA	1	89.0-89.0	10.3	-----	-----	-----	-----	-----	-----
MARPOINT-NOTO	1	89.5-89.5	10.2	-----	-----	-----	-----	-----	-----
MARPOINT-NRAO85 3	11	89.1-89.6	7.7	11.5	4.57	-----	-----	-----	-----
MARPOINT-ONSALA60	4	82.5-83.7	2.6	5.9	.57	-----	-----	-----	-----
MARPOINT-OVRO 130	3	82.5-82.8	10.4	10.7	1.88	-----	-----	-----	-----
MARPOINT-RICHMOND	22	87.6-89.6	-----	-----	-----	-6.7	3.3	9.9	2.61
MARPOINT-WESTFORD	9	82.5-89.4	-----	-----	-----	-1.2	1.1	8.9	4.77
MATERA -MEDICINA	9	91.0-92.9	3.4	3.9	6.06	-----	-----	-----	-----
MATERA -MOJAVE12	8	91.8-92.4	2.5	7.6	.79	-----	-----	-----	-----
MATERA -NOTO	5	91.0-92.3	2.8	3.1	3.15	-----	-----	-----	-----
MATERA -NRAO85 3	35	90.8-92.9	-----	-----	-----	-19.0	2.1	6.5	.82
MATERA -ONSALA60	8	91.0-92.9	6.1	6.1	6.91	-----	-----	-----	-----
MATERA -RICHMOND	9	91.8-92.4	2.9	7.9	1.10	-----	-----	-----	-----
MATERA -SANTIA12	4	92.6-92.6	5.5	9.3	1.05	-----	-----	-----	-----
MATERA -TOULOUSE	1	92.4-92.4	5.3	-----	-----	-----	-----	-----	-----
MATERA -WESTFORD	13	91.8-93.0	4.8	10.5	2.57	-----	-----	-----	-----
MATERA -WETTZELL	23	91.0-93.0	2.4	4.7	5.61	-----	-----	-----	-----
MCD 7850-MOJAVE12	1	88.8-88.8	2.9	-----	-----	-----	-----	-----	-----
MCD 7850-PIETOWN	1	88.8-88.8	2.0	-----	-----	-----	-----	-----	-----
MCD 7850-WESTFORD	1	88.8-88.8	5.8	-----	-----	-----	-----	-----	-----
MEDICINA-NOTO	6	90.1-92.3	-----	-----	-----	-1.3	2.1	3.1	4.35
MEDICINA-ONSALA60	20	87.3-92.9	-----	-----	-----	-5.8	.5	3.5	2.44
MEDICINA-RICHMOND	14	87.3-89.0	1.9	7.9	.76	-----	-----	-----	-----
MEDICINA-SESHAN25	2	90.4-91.8	2.4	4.3	.33	-----	-----	-----	-----
MEDICINA-TOULOUSE	1	92.4-92.4	4.8	-----	-----	-----	-----	-----	-----
MEDICINA-WESTFORD	20	87.3-92.9	-----	-----	-----	-11.7	.5	2.6	.17
MEDICINA-WETTZELL	25	87.3-92.9	-----	-----	-----	-2.3	.3	2.4	1.66
METSHOVI-MOJAVE12	2	89.5-89.5	.1	1.0	.02	-----	-----	-----	-----
METSHOVI-ONSALA60	5	89.5-89.5	4.9	6.9	2.02	-----	-----	-----	-----
METSHOVI-RICHMOND	2	89.5-89.5	.1	.8	.01	-----	-----	-----	-----
METSHOVI-WESTFORD	2	89.5-89.5	.9	2.4	.13	-----	-----	-----	-----
METSHOVI-WETTZELL	5	89.5-89.5	12.6	11.2	5.11	-----	-----	-----	-----
MILESMON-MOJAVE12	1	88.3-88.3	6.1	-----	-----	-----	-----	-----	-----
MILESMON-WESTFORD	1	88.3-88.3	9.3	-----	-----	-----	-----	-----	-----

Table 6.3 (continued)

Transverse Statistical Summary									
Baseline Name	Sessions		Mean Statistics			Rate Statistics			
	Num Obs	Span yr to yr	Sigma mm	WRMS mm	Chi Sqr	Rate mm/yr	Sigma mm/yr	WRMS mm	Chi Sqr
MOJAVE12-MON PEAK	36	83.5-90.9	-----	-----	-----	23.9	.8	7.6	5.92
MOJAVE12-NOBEY 6M	7	89.9-91.5	3.8	9.8	.90	-----	-----	-----	-----
MOJAVE12-NOME	3	90.5-90.5	2.2	3.9	.66	-----	-----	-----	-----
MOJAVE12-NOTO	10	89.5-91.7	-----	-----	-----	-15.9	2.7	7.3	.84
MOJAVE12-NRAO85 3	10	89.5-92.6	-----	-----	-----	-3.6	2.0	2.5	.44
MOJAVE12-NRAO 140	3	88.8-91.8	1.2	2.4	.50	-----	-----	-----	-----
MOJAVE12-OCOTILLO	3	84.2-85.2	10.7	7.5	4.09	-----	-----	-----	-----
MOJAVE12-ONSALA60	49	83.8-92.5	-----	-----	-----	-9.3	.4	4.5	.37
MOJAVE12-OVRO 130	81	83.5-88.9	-----	-----	-----	-2.0	.4	6.3	3.71
MOJAVE12-OVR 7853	1	87.8-87.8	1.8	-----	-----	-----	-----	-----	-----
MOJAVE12-PBLOSSOM	9	83.6-88.1	-----	-----	-----	15.9	1.0	3.6	.92
MOJAVE12-PENTICTN	3	90.6-90.6	1.9	3.6	.56	-----	-----	-----	-----
MOJAVE12-PIETOWN	34	88.7-91.9	-----	-----	-----	6.7	.6	2.2	3.19
MOJAVE12-PINFLATS	21	83.8-90.1	-----	-----	-----	10.6	.7	4.4	1.78
MOJAVE12-PLATTVIL	21	84.3-90.8	-----	-----	-----	6.7	.5	4.5	.87
MOJAVE12-PRESIDIO	22	83.7-91.5	-----	-----	-----	6.2	.8	7.1	2.27
MOJAVE12-PT REYES	20	83.7-91.5	-----	-----	-----	13.1	.7	5.6	1.36
MOJAVE12-PVERDES	9	83.9-90.1	-----	-----	-----	31.0	.8	3.6	.75
MOJAVE12-QUINCY	20	83.5-90.8	-----	-----	-----	-5.5	.8	6.4	2.55
MOJAVE12-RICHMOND	221	84.0-92.6	-----	-----	-----	-4.0	.4	5.0	1.39
MOJAVE12-SANPAULA	10	83.7-90.1	-----	-----	-----	24.5	1.3	5.7	1.29
MOJAVE12-SANTIA12	1	91.9-91.9	8.4	-----	-----	-----	-----	-----	-----
MOJAVE12-SEATTLE1	3	86.7-90.6	3.6	5.0	1.03	-----	-----	-----	-----
MOJAVE12-SEST	1	90.3-90.3	9.9	-----	-----	-----	-----	-----	-----
MOJAVE12-SNDPOINT	10	87.6-90.5	-----	-----	-----	-1.7	3.0	6.1	1.27
MOJAVE12-SOURDOGH	8	87.6-89.6	10.4	10.7	6.58	-----	-----	-----	-----
MOJAVE12-TOULOUSE	1	92.4-92.4	10.1	-----	-----	-----	-----	-----	-----
MOJAVE12-TROMSONO	1	89.6-89.6	7.5	-----	-----	-----	-----	-----	-----
MOJAVE12-VERNAL	8	86.2-90.8	-----	-----	-----	8.0	1.2	4.4	1.22
MOJAVE12-VICTORIA	3	90.6-90.6	6.4	6.5	1.93	-----	-----	-----	-----
MOJAVE12-VNDNBERG	163	83.6-91.6	-----	-----	-----	33.1	.3	6.2	2.76
MOJAVE12-WESTFORD	445	83.5-92.7	-----	-----	-----	-.5	.1	4.3	1.23
MOJAVE12-WETTZELL	266	84.7-92.7	-----	-----	-----	-12.1	.2	4.5	.35
MOJAVE12-WHTHORSE	5	88.6-89.6	3.0	4.8	1.60	-----	-----	-----	-----
MOJAVE12-YAKATAGA	10	87.6-90.4	-----	-----	-----	-21.4	8.1	22.7	24.39
MOJAVE12-YLOW7296	10	91.5-92.5	1.1	3.6	.87	-----	-----	-----	-----
MOJAVE12-YUMA	21	83.8-88.8	-----	-----	-----	1.1	.9	4.1	1.26
MOJ 7288-MOJAVE12	1	87.8-87.8	2.4	-----	-----	-----	-----	-----	-----
MOJ 7288-OVRO 130	1	87.8-87.8	2.3	-----	-----	-----	-----	-----	-----
MOJ 7288-OVR 7853	1	87.8-87.8	2.4	-----	-----	-----	-----	-----	-----
MON PEAK-OVRO 130	20	82.8-88.8	-----	-----	-----	18.2	1.0	7.4	3.35
MON PEAK-QUINCY	13	83.5-88.8	-----	-----	-----	11.8	1.8	9.5	3.86
MON PEAK-VNDNBERG	26	83.9-89.4	-----	-----	-----	12.3	1.2	8.1	2.90
MON PEAK-WESTFORD	2	90.9-90.9	.9	2.2	.17	-----	-----	-----	-----
MON PEAK-YUMA	8	83.8-87.9	-----	-----	-----	25.7	3.3	7.5	2.41
MV2ONSLA-ONSALA60	1	92.3-92.3	.5	-----	-----	-----	-----	-----	-----
NL-VLBA -OV-VLBA	1	92.7-92.7	2.1	-----	-----	-----	-----	-----	-----
NL-VLBA -PIETOWN	1	92.7-92.7	2.0	-----	-----	-----	-----	-----	-----
NOME -SNDPOINT	3	84.5-86.6	9.6	8.1	2.82	-----	-----	-----	-----
NOME -VNDNBERG	7	84.5-86.6	-----	-----	-----	1.1	11.0	13.0	3.11

Table 6.3 (continued)

Transverse Statistical Summary									
Baseline Name	Sessions		Mean Statistics			Rate Statistics			
	Num Obs	Span yr to yr	Sigma mm	WRMS mm	Chi Sqr	Rate mm/yr	Sigma mm/yr	WRMS mm	Chi Sqr
NOME -WESTFORD	3	90.5-90.5	.9	2.6	.24	-----	-----	-----	-----
NOTO -NRAO85 3	4	89.5-91.2	14.4	14.5	2.95	-----	-----	-----	-----
NOTO -ONSALA60	9	89.4-92.3	-----	-----	-----	-2.9	1.5	3.7	2.16
NOTO -RICHMOND	9	89.5-91.7	-----	-----	-----	-17.6	3.0	7.4	1.02
NOTO -WESTFORD	10	89.4-91.7	-----	-----	-----	-15.6	3.0	8.2	1.71
NOTO -WETTZELL	22	89.4-92.0	-----	-----	-----	-1.1	1.0	4.0	2.11
NRAO85 1-NRAO85 3	1	92.8-92.8	1.3	-----	-----	-----	-----	-----	-----
NRAO85 1-WESTFORD	1	92.8-92.8	1.6	-----	-----	-----	-----	-----	-----
NRAO85 3-RICHMOND	134	89.3-92.6	-----	-----	-----	-3.4	.9	4.5	2.61
NRAO85 3-SANTIA12	5	92.1-92.6	9.4	9.9	3.56	-----	-----	-----	-----
NRAO85 3-WESTFORD	9	89.4-92.8	-----	-----	-----	-6.0	2.5	3.4	2.94
NRAO85 3-WETTZELL	9	91.9-92.9	.8	3.6	.45	-----	-----	-----	-----
NRAO 140-NRAO85 1	1	92.8-92.8	1.5	-----	-----	-----	-----	-----	-----
NRAO 140-NRAO85 3	2	91.8-92.8	9.1	2.9	9.95	-----	-----	-----	-----
NRAO 140-ONSALA60	4	81.9-83.0	1.4	6.0	.17	-----	-----	-----	-----
NRAO 140-OVRO 130	10	79.6-88.8	-----	-----	-----	.1	.4	3.3	.30
NRAO 140-RICHMOND	1	91.8-91.8	2.3	-----	-----	-----	-----	-----	-----
NRAO 140-VLA	2	83.6-83.6	1.8	8.6	.05	-----	-----	-----	-----
NRAO 140-WESTFORD	8	81.9-92.8	-----	-----	-----	-1.9	.2	2.8	1.71
OCOTILLO-OVRO 130	1	85.2-85.2	4.0	-----	-----	-----	-----	-----	-----
OCOTILLO-PVERDES	1	85.2-85.2	6.2	-----	-----	-----	-----	-----	-----
OCOTILLO-VNDNBERG	3	84.2-85.2	16.1	11.2	4.13	-----	-----	-----	-----
ONSALA60-OVRO 130	33	80.6-87.8	-----	-----	-----	-4.5	.7	10.4	.73
ONSALA60-RICHMOND	69	84.1-91.7	-----	-----	-----	-8.6	.4	5.7	.63
ONSALA60-ROBLED32	1	83.3-83.3	10.2	-----	-----	-----	-----	-----	-----
ONSALA60-SEST	3	90.3-90.4	2.0	5.9	.25	-----	-----	-----	-----
ONSALA60-TROMSONO	8	89.6-92.7	-----	-----	-----	9.2	1.1	3.9	1.37
ONSALA60-TRYSILNO	1	92.0-92.0	2.1	-----	-----	-----	-----	-----	-----
ONSALA60-WESTFORD	172	81.8-92.9	-----	-----	-----	-4.0	.2	5.4	.76
ONSALA60-WETTZELL	158	83.6-92.9	-----	-----	-----	-3.0	.2	4.6	3.00
OV-VLBA -PIETOWN	1	92.7-92.7	1.9	-----	-----	-----	-----	-----	-----
OVRO 130-PBLOSSOM	7	83.1-87.8	-----	-----	-----	12.8	1.5	4.9	1.57
OVRO 130-PINFLATS	7	83.8-86.8	-----	-----	-----	9.3	3.7	7.3	3.82
OVRO 130-PLATTVIL	9	83.4-88.3	-----	-----	-----	9.4	1.9	6.7	2.19
OVRO 130-PRESIDIO	8	83.7-88.9	-----	-----	-----	14.6	2.1	9.5	3.16
OVRO 130-PT REYES	6	83.7-88.9	-----	-----	-----	17.2	3.1	11.7	3.89
OVRO 130-PVERDES	2	83.9-85.2	31.6	11.0	8.31	-----	-----	-----	-----
OVRO 130-QUINCY	14	82.8-88.8	-----	-----	-----	-3.8	.8	5.0	1.42
OVRO 130-SANPAULA	1	83.7-83.7	8.4	-----	-----	-----	-----	-----	-----
OVRO 130-VLA	2	83.6-83.6	89.4	65.6	1.86	-----	-----	-----	-----
OVRO 130-VNDNBERG	46	83.6-88.9	-----	-----	-----	35.3	.8	7.8	3.43
OVRO 130-WESTFORD	29	81.5-88.8	-----	-----	-----	.0	.6	7.5	1.85
OVRO 130-WETTZELL	7	85.2-87.8	-----	-----	-----	-6.4	2.6	5.0	.42
OVRO 130-YUMA	7	83.8-87.8	-----	-----	-----	5.4	1.7	3.5	.78
OVR 7853-OVRO 130	1	87.8-87.8	2.4	-----	-----	-----	-----	-----	-----
PBLOSSOM-SANPAULA	1	88.1-88.1	10.6	-----	-----	-----	-----	-----	-----
PBLOSSOM-VNDNBERG	9	83.6-88.1	-----	-----	-----	15.9	1.9	6.6	1.57
PENTICTN-WESTFORD	3	90.6-90.6	2.7	4.6	.69	-----	-----	-----	-----
PENTICTN-YELLOWKN	2	84.7-85.7	18.9	8.2	5.26	-----	-----	-----	-----
PIETOWN -WESTFORD	33	88.7-91.9	-----	-----	-----	-6.6	.8	2.8	1.52

Table 6.3 (continued)

Transverse Statistical Summary									
Baseline Name	Sessions		Mean Statistics			Rate Statistics			
	Num Obs	Span yr to yr	Sigma mm	WRMS mm	Chi Sqr	Rate mm/yr	Sigma mm/yr	WRMS mm	Chi Sqr
PIETOWN -WETTZELL	7	91.1-91.9	5.5	8.7	2.41	-----	-----	-----	-----
PINFLATS-PVERDES	3	87.2-88.1	1.1	3.0	.25	-----	-----	-----	-----
PINFLATS-VNDNBERG	20	83.8-90.1	-----	-----	-----	15.5	1.0	7.1	1.69
PINFLATS-YUMA	6	83.8-87.0	-----	-----	-----	9.1	8.9	12.7	5.78
PLATTVIL-VERNAL	1	86.2-86.2	5.7	-----	-----	-----	-----	-----	-----
PLATTVIL-WESTFORD	11	83.4-90.8	-----	-----	-----	-5.1	1.2	6.3	1.65
PRESIDIO-PT REYES	3	83.7-85.8	5.7	6.8	1.41	-----	-----	-----	-----
PRESIDIO-VNDNBERG	20	83.7-90.1	-----	-----	-----	3.9	1.4	7.1	2.92
PRESIDIO-WESTFORD	6	89.8-91.5	27.9	19.2	10.60	-----	-----	-----	-----
PRESIDIO-YLOW7296	2	91.5-91.5	1.2	2.1	.32	-----	-----	-----	-----
PRESIDIO-YUMA	1	87.1-87.1	5.1	-----	-----	-----	-----	-----	-----
PT REYES-VNDNBERG	18	83.7-90.0	-----	-----	-----	5.2	.7	4.4	1.01
PT REYES-WESTFORD	6	89.9-91.5	51.4	25.5	20.35	-----	-----	-----	-----
PT REYES-YLOW7296	2	91.5-91.5	5.3	4.9	1.19	-----	-----	-----	-----
PT REYES-YUMA	1	87.8-87.8	7.9	-----	-----	-----	-----	-----	-----
PVERDES -VNDNBERG	9	83.9-90.1	-----	-----	-----	7.7	2.0	8.3	2.58
QUINCY -VNDNBERG	13	84.3-89.8	-----	-----	-----	17.5	1.3	5.5	2.24
QUINCY -WESTFORD	2	89.8-89.8	3.3	4.0	.72	-----	-----	-----	-----
RICHMOND-SANTIA12	2	92.5-92.6	28.3	10.4	7.47	-----	-----	-----	-----
RICHMOND-TROMSONO	1	89.6-89.6	7.1	-----	-----	-----	-----	-----	-----
RICHMOND-WESTFORD	562	84.0-92.6	-----	-----	-----	-6.1	.1	5.2	2.11
RICHMOND-WETTZELL	533	84.1-92.6	-----	-----	-----	-11.2	.1	5.9	.52
RICHMOND-YLOW7296	3	91.6-92.5	9.9	7.4	3.57	-----	-----	-----	-----
ROBLED32-WESTFORD	1	83.3-83.3	9.4	-----	-----	-----	-----	-----	-----
SANPAULA-VNDNBERG	10	83.7-90.1	-----	-----	-----	9.3	1.8	8.3	2.08
SANTIA12-SESHAN25	5	92.0-92.6	10.0	17.2	1.36	-----	-----	-----	-----
SANTIA12-WESTFORD	9	91.9-92.9	8.3	12.2	3.71	-----	-----	-----	-----
SANTIA12-WETTZELL	9	91.9-92.9	2.3	7.9	.69	-----	-----	-----	-----
SEATTLE1-WESTFORD	3	86.7-90.6	12.3	10.9	2.57	-----	-----	-----	-----
SESHAN25-WESTFORD	4	92.0-92.6	10.4	13.7	1.73	-----	-----	-----	-----
SESHAN25-WETTZELL	9	90.3-92.6	-----	-----	-----	-17.5	6.9	15.5	2.93
SEST -WESTFORD	3	90.3-90.4	5.7	8.7	.86	-----	-----	-----	-----
SINTOTU -USUDA64	1	90.6-90.6	6.0	-----	-----	-----	-----	-----	-----
SNDPOINT-VNDNBERG	3	84.5-86.6	10.1	9.0	2.50	-----	-----	-----	-----
SNDPOINT-WESTFORD	8	88.5-90.5	-----	-----	-----	-6.2	2.1	3.4	.34
SOURDOGH-VNDNBERG	8	84.6-86.6	-----	-----	-----	10.2	4.5	6.8	1.57
SOURDOGH-WESTFORD	6	88.6-89.6	8.7	9.7	4.03	-----	-----	-----	-----
SOURDOGH-WHTHORSE	3	84.6-86.6	16.0	10.5	4.62	-----	-----	-----	-----
SOURDOGH-YAKATAGA	4	84.6-86.6	3.0	4.5	1.35	-----	-----	-----	-----
TOULOUSE-WESTFORD	1	92.4-92.4	7.3	-----	-----	-----	-----	-----	-----
TOULOUSE-WETTZELL	2	92.4-92.4	13.0	6.8	3.71	-----	-----	-----	-----
TROMSONO-WESTFORD	5	89.6-92.7	-----	-----	-----	-5.0	1.6	3.2	.55
TROMSONO-WETTZELL	8	89.6-92.7	-----	-----	-----	6.2	1.2	4.3	1.36
TRYSILNO-WESTFORD	12	91.9-92.2	.9	4.2	.49	-----	-----	-----	-----
TRYSILNO-WETTZELL	10	91.9-92.2	2.3	4.2	2.72	-----	-----	-----	-----
VERNAL -VNDNBERG	1	88.8-88.8	5.8	-----	-----	-----	-----	-----	-----
VERNAL -WESTFORD	4	89.3-90.8	2.8	5.3	.82	-----	-----	-----	-----
VERNAL -YUMA	1	88.8-88.8	5.3	-----	-----	-----	-----	-----	-----
VICTORIA-WESTFORD	3	90.6-90.6	.6	2.1	.15	-----	-----	-----	-----
VNDNBERG-WESTFORD	12	89.8-91.6	44.1	26.8	29.71	-----	-----	-----	-----

Table 6.3 (continued)

Transverse Statistical Summary									
Baseline Name	Sessions		Mean Statistics			Rate Statistics			
	Num Obs	Span yr to yr	Sigma mm	WRMS mm	Chi Sqr	Rate mm/yr	Sigma mm/yr	WRMS mm	Chi Sqr
VNDNBERG-WHTHORSE	3	84.6-86.6	5.1	6.1	1.39	-----	-----	-----	-----
VNDNBERG-YAKATAGA	4	84.6-86.6	25.1	16.1	7.34	-----	-----	-----	-----
VNDNBERG-YUMA	19	83.8-88.8	-----	-----	-----	24.9	1.7	7.1	2.03
WESTFORD-WETTZELL	748	83.9-93.0	-----	-----	-----	-8.0	.1	4.4	.47
WESTFORD-WHTHORSE	4	88.6-89.6	5.7	6.5	2.31	-----	-----	-----	-----
WESTFORD-YAKATAGA	7	88.6-90.4	9.9	11.6	4.35	-----	-----	-----	-----
WESTFORD-YLOW7296	14	91.5-92.5	1.9	5.3	1.73	-----	-----	-----	-----

Table 6.4

Vertical Statistical Summary									
Baseline Name	Sessions		Mean Statistics			Rate Statistics			
	Num Obs	Span yr to yr	Sigma mm	WRMS mm	Chi sqr	Rate mm/yr	Sigma mm/yr	WRMS mm	Chi sqr
ALGOPARK-GILCREEK	41	84.7-92.9	-----	-----	-----	11.9	1.6	21.2	1.56
ALGOPARK-GORF7102	1	92.5-92.5	14.3	-----	-----	-----	-----	-----	-----
ALGOPARK-HARTRAO	2	92.6-92.6	.5	2.5	.04	-----	-----	-----	-----
ALGOPARK-HRAS 085	5	84.7-85.7	32.1	41.1	2.45	-----	-----	-----	-----
ALGOPARK-KASHIMA	3	92.6-92.8	17.1	22.4	1.16	-----	-----	-----	-----
ALGOPARK-KAUAI	9	90.5-92.5	-----	-----	-----	15.6	21.6	45.1	3.85
ALGOPARK-KODIAK	3	90.5-90.5	.2	2.6	.01	-----	-----	-----	-----
ALGOPARK-MATERA	8	91.4-92.8	18.3	33.8	2.06	-----	-----	-----	-----
ALGOPARK-MOJAVE12	34	85.6-92.6	-----	-----	-----	14.0	4.0	21.9	1.79
ALGOPARK-NRAO85 3	15	90.5-92.9	-----	-----	-----	24.1	12.2	17.9	1.13
ALGOPARK-PENTICTN	6	84.7-90.6	-----	-----	-----	-12.8	11.9	59.6	1.81
ALGOPARK-RICHMOND	21	90.5-92.6	-----	-----	-----	14.7	7.2	22.9	1.68
ALGOPARK-SANTIA12	2	92.6-92.6	12.1	15.2	.63	-----	-----	-----	-----
ALGOPARK-SNDPOINT	3	90.5-90.5	4.5	14.1	.20	-----	-----	-----	-----
ALGOPARK-VICTORIA	3	90.6-90.6	22.2	35.1	.80	-----	-----	-----	-----
ALGOPARK-WESTFORD	42	84.7-92.9	-----	-----	-----	1.7	1.6	17.0	1.68
ALGOPARK-WETTZELL	22	90.5-92.9	-----	-----	-----	6.0	4.0	15.9	1.00
ALGOPARK-YELLOWKN	2	84.7-85.7	.6	4.1	.02	-----	-----	-----	-----
ALGOPARK-YLOW7296	5	91.5-92.5	2.5	7.7	.43	-----	-----	-----	-----
AUSTINTX-HRAS 085	1	87.5-87.5	23.6	-----	-----	-----	-----	-----	-----
AUSTINTX-RICHMOND	1	87.5-87.5	32.3	-----	-----	-----	-----	-----	-----
AUSTINTX-WESTFORD	1	87.5-87.5	24.4	-----	-----	-----	-----	-----	-----
AZORES -MOJAVE12	1	92.4-92.4	30.2	-----	-----	-----	-----	-----	-----
AZORES -RICHMOND	3	92.4-92.4	61.8	43.9	3.97	-----	-----	-----	-----
AZORES -WESTFORD	4	92.4-92.4	22.7	30.3	1.69	-----	-----	-----	-----
AZORES -WETTZELL	4	92.4-92.4	13.0	22.8	.98	-----	-----	-----	-----
BERMUDA -MARPOINT	3	87.6-87.6	170.9	83.8	8.32	-----	-----	-----	-----
BERMUDA -RICHMOND	4	87.6-87.6	71.1	67.5	3.32	-----	-----	-----	-----
BERMUDA -WESTFORD	4	87.6-87.6	16.7	27.0	1.14	-----	-----	-----	-----
BLKBUTTE-ELY	2	88.8-88.8	24.9	24.9	1.00	-----	-----	-----	-----
BLKBUTTE-HATCREEK	5	87.1-88.8	86.5	79.2	4.77	-----	-----	-----	-----
BLKBUTTE-HRAS 085	5	83.9-88.8	-----	-----	-----	-13.9	16.7	33.6	1.54
BLKBUTTE-MOJAVE12	12	83.9-88.8	-----	-----	-----	-8.6	11.6	43.5	1.56
BLKBUTTE-MON PEAK	4	83.9-86.8	34.2	48.0	1.53	-----	-----	-----	-----
BLKBUTTE-OCOTILLO	2	84.2-85.0	26.7	45.9	.34	-----	-----	-----	-----
BLKBUTTE-OVRO 130	3	86.4-87.8	46.4	43.0	2.33	-----	-----	-----	-----
BLKBUTTE-PRESIDIO	2	87.4-87.8	379.6	117.3	10.48	-----	-----	-----	-----
BLKBUTTE-PT REYES	1	87.1-87.1	51.5	-----	-----	-----	-----	-----	-----
BLKBUTTE-VNDNBERG	12	83.9-88.8	-----	-----	-----	3.6	14.1	48.9	1.71
BLOOMIND-HRAS 085	1	87.6-87.6	52.5	-----	-----	-----	-----	-----	-----
BLOOMIND-WESTFORD	1	87.6-87.6	52.0	-----	-----	-----	-----	-----	-----
BREST -MOJAVE12	2	89.7-89.7	60.3	36.5	2.74	-----	-----	-----	-----
BREST -NOTO	4	89.7-89.7	60.2	51.2	4.15	-----	-----	-----	-----
BREST -ONSALA60	1	89.7-89.7	28.2	-----	-----	-----	-----	-----	-----
BREST -RICHMOND	1	89.7-89.7	33.4	-----	-----	-----	-----	-----	-----
BREST -WESTFORD	2	89.7-89.7	48.3	32.2	2.25	-----	-----	-----	-----
BREST -WETTZELL	4	89.7-89.7	49.0	43.4	3.83	-----	-----	-----	-----
CARNUSTY-MOJAVE12	1	89.6-89.6	33.1	-----	-----	-----	-----	-----	-----
CARNUSTY-RICHMOND	1	89.6-89.6	36.0	-----	-----	-----	-----	-----	-----
CARNUSTY-WESTFORD	1	89.6-89.6	34.5	-----	-----	-----	-----	-----	-----

Table 6.4 (continued)

Vertical Statistical Summary									
Baseline Name	Sessions		Mean Statistics			Rate Statistics			
	Num Obs	Span yr to yr	Sigma mm	WRMS mm	Chi sqr	Rate mm/yr	Sigma mm/yr	WRMS mm	Chi sqr
CARNUSTY-WETTZELL	4	89.6-89.6	7.9	20.6	.44	-----	-----	-----	-----
CARROLGA-HRAS 085	1	87.5-87.5	47.8	-----	-----	-----	-----	-----	-----
CARROLGA-RICHMOND	1	87.5-87.5	45.1	-----	-----	-----	-----	-----	-----
CARROLGA-WESTFORD	1	87.5-87.5	43.0	-----	-----	-----	-----	-----	-----
CHLBOLTN-HAYSTACK	7	80.8-80.8	65.3	71.1	5.06	-----	-----	-----	-----
CHLBOLTN-HRAS 085	7	80.8-80.8	37.7	65.7	1.97	-----	-----	-----	-----
CHLBOLTN-ONSALA60	7	80.8-80.8	45.7	54.6	4.20	-----	-----	-----	-----
CHLBOLTN-OVRO 130	6	80.8-80.8	68.9	72.7	4.49	-----	-----	-----	-----
DEADMANL-JPL MV1	1	88.1-88.1	58.4	-----	-----	-----	-----	-----	-----
DEADMANL-MOJAVE12	5	84.2-88.1	-----	-----	-----	52.7	28.5	31.8	1.30
DEADMANL-SANPAULA	4	84.2-87.9	67.8	82.2	2.04	-----	-----	-----	-----
DEADMANL-VNDNBERG	5	84.2-88.1	-----	-----	-----	104.0	23.7	28.5	.50
DSS15 -GILCREEK	3	88.9-92.5	27.0	21.4	3.16	-----	-----	-----	-----
DSS15 -GOLDVENU	1	87.8-87.8	13.2	-----	-----	-----	-----	-----	-----
DSS15 -HAYSTACK	3	88.9-92.5	10.4	13.5	1.18	-----	-----	-----	-----
DSS15 -KASHIMA	1	92.5-92.5	20.5	-----	-----	-----	-----	-----	-----
DSS15 -MEDICINA	1	92.5-92.5	17.2	-----	-----	-----	-----	-----	-----
DSS15 -MOJAVE12	1	87.8-87.8	12.2	-----	-----	-----	-----	-----	-----
DSS15 -MOJ 7288	1	87.8-87.8	16.9	-----	-----	-----	-----	-----	-----
DSS15 -ONSALA60	1	92.5-92.5	17.1	-----	-----	-----	-----	-----	-----
DSS15 -OVRO 130	2	87.8-88.9	8.5	8.7	.95	-----	-----	-----	-----
DSS15 -OVR 7853	1	87.8-87.8	13.3	-----	-----	-----	-----	-----	-----
DSS15 -YAKATAGA	1	89.6-89.6	34.7	-----	-----	-----	-----	-----	-----
DSS45 -GILCREEK	15	88.5-92.5	-----	-----	-----	37.4	6.1	24.8	2.14
DSS45 -HARTRAO	8	91.3-92.6	12.4	26.5	1.54	-----	-----	-----	-----
DSS45 -HOBART26	13	89.9-92.6	-----	-----	-----	-5.6	4.6	14.6	1.38
DSS45 -KASHIM34	6	90.2-92.3	-----	-----	-----	41.4	21.2	33.7	5.62
DSS45 -KASHIMA	13	88.5-92.6	-----	-----	-----	24.2	7.3	28.6	2.72
DSS45 -KAUAI	17	88.4-92.5	-----	-----	-----	21.0	6.9	28.7	2.44
DSS45 -KWAJAL26	3	88.5-88.6	34.3	41.2	1.38	-----	-----	-----	-----
DSS45 -MEDICINA	1	91.8-91.8	27.1	-----	-----	-----	-----	-----	-----
DSS45 -MOJAVE12	1	88.4-88.4	36.4	-----	-----	-----	-----	-----	-----
DSS45 -SANTIA12	4	91.9-92.5	130.6	71.3	10.08	-----	-----	-----	-----
DSS45 -SESHAN25	19	88.5-92.6	-----	-----	-----	10.2	8.6	42.3	3.88
DSS45 -USSURISK	1	92.2-92.2	147.7	-----	-----	-----	-----	-----	-----
DSS45 -WETTZELL	3	91.3-92.6	28.2	22.0	3.28	-----	-----	-----	-----
DSS65 -EFLSBERG	2	91.9-92.9	36.1	11.1	10.58	-----	-----	-----	-----
DSS65 -HRAS 085	1	88.8-88.8	18.4	-----	-----	-----	-----	-----	-----
DSS65 -KARLBURG	1	92.5-92.5	44.9	-----	-----	-----	-----	-----	-----
DSS65 -MATERA	10	91.0-92.9	7.1	12.9	2.70	-----	-----	-----	-----
DSS65 -MEDICINA	16	88.7-92.9	-----	-----	-----	13.6	3.1	16.6	4.65
DSS65 -MOJAVE12	1	88.8-88.8	18.9	-----	-----	-----	-----	-----	-----
DSS65 -NOTO	7	89.4-92.3	-----	-----	-----	5.6	10.0	21.2	8.98
DSS65 -ONSALA60	15	88.8-92.9	-----	-----	-----	10.6	3.4	17.7	5.16
DSS65 -RICHMOND	3	88.7-89.0	6.0	12.7	.45	-----	-----	-----	-----
DSS65 -TOULOUSE	1	92.4-92.4	33.7	-----	-----	-----	-----	-----	-----
DSS65 -WESTFORD	5	88.7-89.4	3.0	9.2	.42	-----	-----	-----	-----
DSS65 -WETTZELL	15	88.7-92.9	-----	-----	-----	11.1	2.7	13.3	4.18
EFLSBERG-HAYSTACK	8	79.9-83.6	-----	-----	-----	-8.1	19.4	57.8	1.80
EFLSBERG-HRAS 085	7	80.6-83.6	-----	-----	-----	-1.2	29.7	75.4	2.53

Table 6.4 (continued)

Vertical Statistical Summary									
Baseline Name	Sessions		Mean Statistics			Rate Statistics			
	Num Obs	Span yr to yr	Sigma mm	WRMS mm	Chi sqr	Rate mm/yr	Sigma mm/yr	WRMS mm	Chi sqr
EFLSBERG-MATERA	2	91.9-92.9	1.4	2.2	.37	-----	-----	-----	-----
EFLSBERG-MEDICINA	2	91.9-92.9	54.5	13.9	15.33	-----	-----	-----	-----
EFLSBERG-NRAO 140	3	79.9-83.6	74.3	153.8	.47	-----	-----	-----	-----
EFLSBERG-ONSALA60	7	80.6-92.9	-----	-----	-----	-1.6	.8	8.4	.68
EFLSBERG-OVRO 130	8	79.9-83.6	-----	-----	-----	13.0	94.1	56.5	1.63
EFLSBERG-ROBLED32	1	83.3-83.3	52.7	-----	-----	-----	-----	-----	-----
EFLSBERG-VLA	2	83.6-83.6	157.4	198.2	.63	-----	-----	-----	-----
EFLSBERG-WESTFORD	1	83.3-83.3	38.4	-----	-----	-----	-----	-----	-----
EFLSBERG-WETTZELL	2	91.9-92.9	24.8	8.3	8.85	-----	-----	-----	-----
ELY -HATCREEK	9	85.3-89.3	-----	-----	-----	-25.1	7.2	24.7	.66
ELY -HRAS 085	10	84.3-89.3	-----	-----	-----	-.9	7.7	30.7	.82
ELY -MOJAVE12	12	84.3-90.8	-----	-----	-----	7.4	8.6	38.3	1.68
ELY -OVRO 130	1	86.3-86.3	38.1	-----	-----	-----	-----	-----	-----
ELY -PLATTVIL	3	84.3-86.3	24.7	42.7	.67	-----	-----	-----	-----
ELY -VNDNBERG	5	87.4-88.8	3.2	13.0	.23	-----	-----	-----	-----
ELY -WESTFORD	4	89.3-90.8	18.7	36.6	.78	-----	-----	-----	-----
ELY -YUMA	3	87.4-88.3	25.8	42.4	.74	-----	-----	-----	-----
FD-VLBA -GILCREEK	12	92.5-93.0	8.6	16.3	3.07	-----	-----	-----	-----
FD-VLBA -HN-VLBA	1	92.7-92.7	9.1	-----	-----	-----	-----	-----	-----
FD-VLBA -HRAS 085	4	91.3-91.4	1.7	2.6	1.26	-----	-----	-----	-----
FD-VLBA -KAUAI	12	92.5-93.0	19.6	29.2	4.95	-----	-----	-----	-----
FD-VLBA -KP-VLBA	1	92.7-92.7	7.6	-----	-----	-----	-----	-----	-----
FD-VLBA -LA-VLBA	14	92.5-93.0	7.9	12.2	5.43	-----	-----	-----	-----
FD-VLBA -MOJAVE12	1	92.5-92.5	8.9	-----	-----	-----	-----	-----	-----
FD-VLBA -NL-VLBA	1	92.7-92.7	7.6	-----	-----	-----	-----	-----	-----
FD-VLBA -OV-VLBA	1	92.7-92.7	9.1	-----	-----	-----	-----	-----	-----
FD-VLBA -PIETOWN	3	92.7-93.0	1.8	2.8	.83	-----	-----	-----	-----
FD-VLBA -WESTFORD	11	92.5-93.0	16.2	20.7	6.12	-----	-----	-----	-----
FD-VLBA -WETTZELL	12	92.5-93.0	8.8	17.4	2.81	-----	-----	-----	-----
FLAGSTAF-HATCREEK	8	84.3-90.9	-----	-----	-----	9.2	9.6	51.6	2.04
FLAGSTAF-HRAS 085	6	84.3-88.8	-----	-----	-----	11.6	18.3	44.8	1.80
FLAGSTAF-MOJAVE12	8	84.3-90.9	-----	-----	-----	15.3	6.4	30.4	.91
FLAGSTAF-PLATTVIL	4	84.3-88.8	45.0	57.9	1.81	-----	-----	-----	-----
FLAGSTAF-VERNAL	2	87.3-88.3	6.9	14.6	.22	-----	-----	-----	-----
FLAGSTAF-WESTFORD	2	90.8-90.9	3.8	11.4	.11	-----	-----	-----	-----
FORTORDS-GILCREEK	17	88.9-91.6	-----	-----	-----	27.5	16.8	39.8	1.64
FORTORDS-HATCREEK	16	88.9-90.1	10.8	36.2	1.34	-----	-----	-----	-----
FORTORDS-HAYSTACK	1	89.8-89.8	39.1	-----	-----	-----	-----	-----	-----
FORTORDS-MOJAVE12	19	88.9-91.6	-----	-----	-----	10.6	11.0	36.2	1.43
FORTORDS-OVRO 130	2	88.9-88.9	62.9	43.5	2.10	-----	-----	-----	-----
FORTORDS-PRESIDIO	3	89.8-89.9	37.9	47.1	1.29	-----	-----	-----	-----
FORTORDS-PT REYES	5	88.9-89.9	11.4	32.0	.51	-----	-----	-----	-----
FORTORDS-QUINCY	2	89.8-89.8	7.1	16.3	.19	-----	-----	-----	-----
FORTORDS-VNDNBERG	17	88.9-90.1	13.4	42.6	1.59	-----	-----	-----	-----
FORTORDS-WESTFORD	11	89.8-91.6	18.1	42.2	1.85	-----	-----	-----	-----
FORTORDS-YLOW7296	2	91.6-91.6	95.8	46.7	4.20	-----	-----	-----	-----
FORT ORD-GILCREEK	4	88.1-88.1	9.2	24.7	.42	-----	-----	-----	-----
FORT ORD-HATCREEK	10	84.2-88.1	-----	-----	-----	18.5	25.4	88.6	5.67
FORT ORD-HRAS 085	4	85.2-87.8	37.1	49.2	1.71	-----	-----	-----	-----
FORT ORD-JPL MV1	1	87.8-87.8	38.8	-----	-----	-----	-----	-----	-----

Table 6.4 (continued)

Vertical Statistical Summary

Baseline Name	Sessions: Num Obs	Sessions: Span yr to yr	Mean Statistics: Sigma mm	Mean Statistics: WRMS mm	Mean Statistics: Chi sqr	Rate Statistics: Rate mm/yr	Rate Statistics: Sigma mm/yr	Rate Statistics: WRMS mm	Rate Statistics: Chi sqr
FORT ORD-MOJAVE12	11	83.7-88.1	-----	-----	-----	-1.0	10.9	43.8	1.74
FORT ORD-MON PEAK	1	87.1-87.1	46.9	-----	-----	-----	-----	-----	-----
FORT ORD-OVRO 130	5	83.7-87.8	-----	-----	-----	-2.2	8.0	20.7	.38
FORT ORD-PRESIDIO	4	83.7-88.1	44.8	54.1	2.06	-----	-----	-----	-----
FORT ORD-PT REYES	3	87.4-88.1	111.6	75.8	4.33	-----	-----	-----	-----
FORT ORD-VNDNBERG	11	83.7-88.1	-----	-----	-----	12.3	10.8	42.4	1.31
FTD 7900-HRAS 085	1	88.8-88.8	15.6	-----	-----	-----	-----	-----	-----
FTD 7900-MOJAVE12	1	88.8-88.8	17.5	-----	-----	-----	-----	-----	-----
FTD 7900-PIETOWN	1	88.8-88.8	15.2	-----	-----	-----	-----	-----	-----
FTD 7900-WESTFORD	1	88.8-88.8	23.5	-----	-----	-----	-----	-----	-----
GILCREEK-GOLDVENU	4	88.5-91.6	11.1	14.3	1.81	-----	-----	-----	-----
GILCREEK-GORF7102	2	92.4-92.5	5.6	8.4	.45	-----	-----	-----	-----
GILCREEK-HALEAKAL	3	88.5-88.5	28.9	34.5	1.40	-----	-----	-----	-----
GILCREEK-HARTRAO	6	90.4-92.6	-----	-----	-----	-16.7	9.3	16.4	1.35
GILCREEK-HATCREEK	65	85.4-90.8	-----	-----	-----	8.6	2.5	29.9	2.19
GILCREEK-HAYSTACK	24	84.7-92.5	-----	-----	-----	-6.0	3.7	12.7	2.40
GILCREEK-HOBART26	42	89.7-93.0	-----	-----	-----	-35.5	2.9	18.0	.84
GILCREEK-HOFN	3	92.6-92.6	5.5	14.6	.29	-----	-----	-----	-----
GILCREEK-HOHNBERG	1	92.5-92.5	30.2	-----	-----	-----	-----	-----	-----
GILCREEK-HRAS 085	55	84.7-89.5	-----	-----	-----	-2.5	4.5	32.1	2.48
GILCREEK-KASHIM34	28	90.2-92.4	-----	-----	-----	16.9	4.8	18.9	1.21
GILCREEK-KASHIMA	131	84.6-93.0	-----	-----	-----	13.8	1.3	31.8	2.08
GILCREEK-KAUAI	316	84.5-93.0	-----	-----	-----	-.2	.8	23.4	1.95
GILCREEK-KODIAK	15	84.6-90.5	-----	-----	-----	-4.7	8.0	38.0	1.35
GILCREEK-KWAJAL26	19	84.5-88.6	-----	-----	-----	16.4	7.5	44.5	2.08
GILCREEK-LA-VLBA	27	91.4-93.0	3.5	12.2	2.10	-----	-----	-----	-----
GILCREEK-MARCUS	1	90.5-90.5	25.6	-----	-----	-----	-----	-----	-----
GILCREEK-MARPOINT	24	88.1-89.6	12.9	50.1	1.52	-----	-----	-----	-----
GILCREEK-MATERA	36	90.8-93.0	-----	-----	-----	-18.6	5.7	19.5	1.18
GILCREEK-MEDICINA	5	89.0-92.9	-----	-----	-----	-10.2	1.9	3.7	.12
GILCREEK-MIZUSGSI	1	91.9-91.9	39.6	-----	-----	-----	-----	-----	-----
GILCREEK-MOJAVE12	284	84.5-92.7	-----	-----	-----	3.5	.6	16.5	1.62
GILCREEK-NOBEY 6M	7	89.9-91.5	45.6	64.7	2.98	-----	-----	-----	-----
GILCREEK-NOME	10	84.5-90.5	-----	-----	-----	-2.4	4.9	32.5	.76
GILCREEK-NOTO	4	89.5-91.2	23.1	29.1	1.90	-----	-----	-----	-----
GILCREEK-NRAO85 1	1	92.8-92.8	9.4	-----	-----	-----	-----	-----	-----
GILCREEK-NRAO85 3	201	89.1-93.0	-----	-----	-----	-13.6	2.8	19.6	1.26
GILCREEK-NRAO 140	2	90.7-92.8	20.7	13.0	2.56	-----	-----	-----	-----
GILCREEK-ONSALA60	28	85.5-92.9	-----	-----	-----	-14.3	1.9	17.8	1.94
GILCREEK-OVRO 130	12	85.4-88.9	-----	-----	-----	20.0	11.0	34.4	3.31
GILCREEK-PENTICTN	5	84.7-90.6	-----	-----	-----	-31.6	3.6	15.7	.16
GILCREEK-PIETOWN	31	89.6-91.9	-----	-----	-----	12.4	3.3	11.2	2.73
GILCREEK-PINFLATS	2	90.1-90.1	39.2	30.8	1.62	-----	-----	-----	-----
GILCREEK-PLATTVIL	10	85.4-90.8	-----	-----	-----	-4.6	7.7	35.5	1.95
GILCREEK-PRESIDIO	10	88.1-91.5	-----	-----	-----	10.1	16.4	30.6	.97
GILCREEK-PT REYES	12	88.1-91.5	-----	-----	-----	-24.0	6.7	25.0	.56
GILCREEK-PVERDES	2	90.1-90.1	11.4	16.3	.49	-----	-----	-----	-----
GILCREEK-QUINCY	4	89.8-90.8	6.2	19.9	.29	-----	-----	-----	-----
GILCREEK-RICHMOND	172	87.3-92.6	-----	-----	-----	-9.2	2.0	27.8	1.65
GILCREEK-SANPAULA	2	90.1-90.1	7.0	14.1	.25	-----	-----	-----	-----

Table 6.4 (continued)

Vertical Statistical Summary									
Baseline Name	Sessions		Mean Statistics			Rate Statistics			
	Num Obs	Span yr to yr	Sigma mm	WRMS mm	Chi sqr	Rate mm/yr	Sigma mm/yr	WRMS mm	Chi sqr
GILCREEK-SANTIA12	5	92.0-92.6	10.0	20.7	.94	-----	-----	-----	-----
GILCREEK-SEATTLE1	2	90.6-90.6	107.3	59.8	3.22	-----	-----	-----	-----
GILCREEK-SESHAN25	20	88.3-92.6	-----	-----	-----	7.2	5.3	27.0	1.38
GILCREEK-SEST	2	90.4-90.4	9.1	13.7	.44	-----	-----	-----	-----
GILCREEK-SHANGHAI	1	86.5-86.5	151.4	-----	-----	-----	-----	-----	-----
GILCREEK-SNDPOINT	13	84.5-90.5	-----	-----	-----	4.9	7.7	33.8	.97
GILCREEK-SOURDOGH	16	84.6-89.6	-----	-----	-----	2.6	14.3	40.3	1.99
GILCREEK-TROMSONO	3	92.7-92.7	15.3	21.9	.97	-----	-----	-----	-----
GILCREEK-TRYSILNO	12	91.9-92.2	7.3	22.7	1.15	-----	-----	-----	-----
GILCREEK-USSURISK	1	92.2-92.2	163.0	-----	-----	-----	-----	-----	-----
GILCREEK-VICTORIA	3	90.6-90.6	5.5	17.5	.20	-----	-----	-----	-----
GILCREEK-VNDNBERG	80	84.5-91.6	-----	-----	-----	-3.4	2.0	30.1	1.89
GILCREEK-WESTFORD	229	84.7-93.0	-----	-----	-----	-13.2	.7	18.1	2.33
GILCREEK-WETTZELL	95	84.7-93.0	-----	-----	-----	-15.1	1.4	15.8	2.03
GILCREEK-WHTHORSE	9	84.6-89.6	-----	-----	-----	13.6	19.5	57.4	3.70
GILCREEK-YAKATAGA	16	84.6-90.4	-----	-----	-----	-39.9	12.1	36.3	1.33
GILCREEK-YELLOWKN	2	84.7-85.7	24.0	25.5	.89	-----	-----	-----	-----
GILCREEK-YLOW7296	14	91.5-92.5	7.9	19.3	2.17	-----	-----	-----	-----
GOLDVENU-HAYSTACK	4	81.9-91.6	48.4	32.3	6.71	-----	-----	-----	-----
GOLDVENU-HRAS 085	3	81.9-82.8	3.6	12.9	.16	-----	-----	-----	-----
GOLDVENU-KASHIM34	1	90.6-90.6	12.6	-----	-----	-----	-----	-----	-----
GOLDVENU-KASHIMA	1	91.6-91.6	18.7	-----	-----	-----	-----	-----	-----
GOLDVENU-MEDICINA	2	90.6-91.2	1.4	3.7	.14	-----	-----	-----	-----
GOLDVENU-MOJAVE12	5	83.7-88.5	-----	-----	-----	4.2	2.1	7.6	.86
GOLDVENU-MOJ 7288	1	87.8-87.8	15.6	-----	-----	-----	-----	-----	-----
GOLDVENU-NRAO 140	1	81.9-81.9	28.4	-----	-----	-----	-----	-----	-----
GOLDVENU-ONSALA60	6	81.9-91.6	-----	-----	-----	-14.1	3.4	16.0	1.06
GOLDVENU-OVRO 130	6	81.9-87.8	-----	-----	-----	1.7	4.0	21.3	1.10
GOLDVENU-OVR 7853	1	87.8-87.8	11.4	-----	-----	-----	-----	-----	-----
GOLDVENU-PRESIDIO	1	83.7-83.7	85.6	-----	-----	-----	-----	-----	-----
GOLDVENU-PT REYES	1	83.7-83.7	72.1	-----	-----	-----	-----	-----	-----
GOLDVENU-QUINCY	1	82.8-82.8	42.1	-----	-----	-----	-----	-----	-----
GOLDVENU-VNDNBERG	1	83.7-83.7	77.5	-----	-----	-----	-----	-----	-----
GOLDVENU-WESTFORD	4	81.9-88.5	24.2	29.5	2.03	-----	-----	-----	-----
GORF7102-HRAS 085	1	89.4-89.4	28.0	-----	-----	-----	-----	-----	-----
GORF7102-MARPOINT	2	89.4-89.4	6.5	11.9	.30	-----	-----	-----	-----
GORF7102-MOJAVE12	7	89.8-92.5	-----	-----	-----	-2.1	4.2	8.1	.20
GORF7102-NRAO85 3	4	89.4-91.7	15.9	21.0	1.72	-----	-----	-----	-----
GORF7102-RICHMOND	8	89.4-92.5	-----	-----	-----	-2.5	8.2	21.7	1.10
GORF7102-SANTIA12	1	91.9-91.9	49.3	-----	-----	-----	-----	-----	-----
GORF7102-WESTFORD	9	89.4-92.5	-----	-----	-----	-3.3	5.0	13.7	.64
GORF7102-WETTZELL	1	91.9-91.9	45.1	-----	-----	-----	-----	-----	-----
GORF7102-YLOW7296	2	92.4-92.5	1.3	4.0	.11	-----	-----	-----	-----
GRASSE -MOJAVE12	1	89.7-89.7	32.4	-----	-----	-----	-----	-----	-----
GRASSE -NOTO	2	89.7-89.7	17.9	16.7	1.15	-----	-----	-----	-----
GRASSE -RICHMOND	1	89.7-89.7	36.8	-----	-----	-----	-----	-----	-----
GRASSE -WESTFORD	1	89.7-89.7	31.5	-----	-----	-----	-----	-----	-----
GRASSE -WETTZELL	4	89.7-89.7	9.3	15.2	1.13	-----	-----	-----	-----
HALEAKAL-KAUAI	3	88.5-88.5	45.2	40.1	2.54	-----	-----	-----	-----
HALEAKAL-MOJAVE12	3	88.5-88.5	12.1	23.0	.55	-----	-----	-----	-----

Table 6.4 (continued)

Vertical Statistical Summary									
Baseline Name	Sessions		Mean Statistics			Rate Statistics			
	Num Obs	Span yr to yr	Sigma mm	WRMS mm	Chi sqr	Rate mm/yr	Sigma mm/yr	WRMS mm	Chi sqr
HARTRAO -HOBART26	46	90.0-93.0	-----	-----	-----	23.7	10.2	46.7	1.86
HARTRAO -HRAS 085	6	87.1-89.2	-----	-----	-----	12.2	14.6	13.8	.30
HARTRAO -KASHIM34	7	90.4-92.3	6.8	18.0	.86	-----	-----	-----	-----
HARTRAO -KASHIMA	9	90.3-92.6	-----	-----	-----	-10.3	10.5	22.4	1.37
HARTRAO -KAUAI	6	90.4-92.6	-----	-----	-----	-29.1	8.5	13.7	1.51
HARTRAO -MATERA	5	91.9-92.6	7.1	20.8	.47	-----	-----	-----	-----
HARTRAO -MEDICINA	5	88.0-91.8	-----	-----	-----	28.5	21.5	38.9	1.93
HARTRAO -MOJAVE12	29	90.0-92.5	-----	-----	-----	9.6	6.3	21.9	1.55
HARTRAO -NOTO	4	91.4-91.7	42.8	43.3	2.94	-----	-----	-----	-----
HARTRAO -NRAO85 3	6	91.9-92.6	2.1	9.9	.22	-----	-----	-----	-----
HARTRAO -ONSALA60	7	86.0-90.4	-----	-----	-----	22.4	7.9	28.3	1.00
HARTRAO -RICHMOND	48	86.0-92.6	-----	-----	-----	-.5	2.8	32.8	1.81
HARTRAO -SANTIA12	29	91.9-93.0	10.7	42.7	1.74	-----	-----	-----	-----
HARTRAO -SESHAN25	11	90.3-92.6	-----	-----	-----	10.7	19.8	46.6	3.10
HARTRAO -SEST	2	90.4-90.4	5.0	13.3	.14	-----	-----	-----	-----
HARTRAO -WESTFORD	63	86.0-92.9	-----	-----	-----	8.6	2.5	34.0	1.96
HARTRAO -WETTZELL	59	86.0-92.9	-----	-----	-----	15.8	2.9	43.1	2.75
HATCREEK-HAYSTACK	2	84.3-89.8	7.4	12.2	.37	-----	-----	-----	-----
HATCREEK-HRAS 085	62	83.4-89.4	-----	-----	-----	-2.0	3.2	40.7	2.25
HATCREEK-JPL MV1	2	83.5-87.8	7.9	15.5	.26	-----	-----	-----	-----
HATCREEK-KASHIM34	1	90.8-90.8	39.1	-----	-----	-----	-----	-----	-----
HATCREEK-KASHIMA	16	84.2-90.1	-----	-----	-----	20.7	5.7	33.7	2.92
HATCREEK-KAUAI	17	85.4-90.8	-----	-----	-----	5.4	4.5	26.9	1.88
HATCREEK-KODIAK	2	87.5-87.5	46.8	35.1	1.78	-----	-----	-----	-----
HATCREEK-MAMMOTHL	1	83.5-83.5	50.2	-----	-----	-----	-----	-----	-----
HATCREEK-MOJAVE12	139	83.5-90.9	-----	-----	-----	2.1	1.6	31.6	2.40
HATCREEK-MON PEAK	24	83.5-90.9	-----	-----	-----	5.7	6.3	49.6	1.96
HATCREEK-OVRO 130	38	83.4-88.9	-----	-----	-----	15.3	4.4	43.0	2.33
HATCREEK-PINFLATS	2	90.1-90.1	2.4	7.6	.10	-----	-----	-----	-----
HATCREEK-PLATTVIL	22	83.4-90.8	-----	-----	-----	-6.0	6.4	54.3	2.91
HATCREEK-PRESIDIO	14	85.8-90.1	-----	-----	-----	23.0	13.1	42.6	1.80
HATCREEK-PT REYES	16	84.2-90.0	-----	-----	-----	-4.6	13.5	63.0	3.13
HATCREEK-PVERDES	4	89.1-90.1	13.6	26.4	.79	-----	-----	-----	-----
HATCREEK-QUINCY	17	83.5-90.8	-----	-----	-----	3.1	6.8	44.9	2.23
HATCREEK-SANPAULA	4	89.1-90.1	39.1	46.3	2.14	-----	-----	-----	-----
HATCREEK-SNDPOINT	1	87.6-87.6	991.0	-----	-----	-----	-----	-----	-----
HATCREEK-VERNAL	8	86.2-90.8	-----	-----	-----	-6.9	8.5	29.1	.90
HATCREEK-VNDNBERG	92	84.2-90.1	-----	-----	-----	-5.2	3.0	36.5	3.02
HATCREEK-WESTFORD	32	83.4-90.9	-----	-----	-----	-13.1	3.6	28.2	1.58
HATCREEK-YAKATAGA	3	87.6-87.6	4.0	14.7	.15	-----	-----	-----	-----
HATCREEK-YUMA	12	85.2-88.8	-----	-----	-----	-7.1	14.0	40.8	1.61
HAYSTACK-HRAS 085	37	80.3-89.5	-----	-----	-----	10.7	3.2	49.7	1.49
HAYSTACK-KASHIM34	1	90.6-90.6	12.4	-----	-----	-----	-----	-----	-----
HAYSTACK-KASHIMA	4	84.7-92.5	198.9	76.4	20.36	-----	-----	-----	-----
HAYSTACK-KODIAK	1	89.5-89.5	41.9	-----	-----	-----	-----	-----	-----
HAYSTACK-MARPOINT	2	82.5-82.5	12.4	14.0	.79	-----	-----	-----	-----
HAYSTACK-MEDICINA	3	90.6-92.5	15.9	16.8	1.81	-----	-----	-----	-----
HAYSTACK-MOJAVE12	24	84.3-89.8	-----	-----	-----	4.8	2.2	10.1	1.52
HAYSTACK-NRAO 140	6	79.6-83.6	-----	-----	-----	-23.1	20.9	31.5	3.95
HAYSTACK-ONSALA60	43	80.6-92.5	-----	-----	-----	.2	1.0	27.4	1.00

Table 6.4 (continued)

Vertical Statistical Summary									
Baseline Name	Sessions		Mean Statistics			Rate Statistics			
	Num Obs	Span yr to yr	Sigma mm	WRMS mm	Chi sqr	Rate mm/yr	Sigma mm/yr	WRMS mm	Chi sqr
HAYSTACK-OVRO 130	30	79.6-88.9	-----	-----	-----	13.8	2.6	38.5	1.65
HAYSTACK-PIETOWN	13	89.6-89.8	3.8	8.7	2.27	-----	-----	-----	-----
HAYSTACK-PLATTVIL	1	84.3-84.3	49.0	-----	-----	-----	-----	-----	-----
HAYSTACK-PRESIDIO	1	89.8-89.8	44.2	-----	-----	-----	-----	-----	-----
HAYSTACK-ROBLED32	1	83.3-83.3	56.4	-----	-----	-----	-----	-----	-----
HAYSTACK-VLA	1	83.6-83.6	651.2	-----	-----	-----	-----	-----	-----
HAYSTACK-VNDNBERG	1	89.8-89.8	32.1	-----	-----	-----	-----	-----	-----
HAYSTACK-WESTFORD	26	81.4-89.8	-----	-----	-----	-.7	.5	4.8	.56
HAYSTACK-WETTZELL	6	84.7-86.7	-----	-----	-----	-23.0	10.7	16.1	.90
HAYSTACK-YAKATAGA	1	89.6-89.6	34.0	-----	-----	-----	-----	-----	-----
HN-VLBA -KP-VLBA	1	92.7-92.7	9.5	-----	-----	-----	-----	-----	-----
HN-VLBA -NL-VLBA	1	92.7-92.7	8.6	-----	-----	-----	-----	-----	-----
HN-VLBA -OV-VLBA	1	92.7-92.7	10.5	-----	-----	-----	-----	-----	-----
HN-VLBA -PIETOWN	1	92.7-92.7	10.2	-----	-----	-----	-----	-----	-----
HOBART26-KASHIM34	25	90.2-92.4	-----	-----	-----	54.4	5.7	22.9	1.00
HOBART26-KASHIMA	16	89.7-93.0	-----	-----	-----	24.3	4.2	18.2	.85
HOBART26-KAUAI	20	89.7-92.9	-----	-----	-----	34.4	5.5	23.7	1.06
HOBART26-MOJAVE12	26	90.0-92.4	-----	-----	-----	29.3	5.2	22.1	1.26
HOBART26-NOBEY 6M	4	90.2-91.5	42.0	48.0	2.29	-----	-----	-----	-----
HOBART26-ONSALA60	2	90.4-90.4	4.0	6.8	.35	-----	-----	-----	-----
HOBART26-SANTIA12	20	91.9-93.0	9.0	32.8	1.44	-----	-----	-----	-----
HOBART26-SESHAN25	13	90.0-92.6	-----	-----	-----	13.4	11.6	35.2	2.35
HOBART26-SEST	2	90.4-90.4	67.2	42.6	2.49	-----	-----	-----	-----
HOBART26-USSURISK	1	92.2-92.2	142.3	-----	-----	-----	-----	-----	-----
HOBART26-WESTFORD	6	90.4-92.6	-----	-----	-----	.1	6.8	11.0	.99
HOBART26-WETTZELL	7	91.3-92.6	13.8	21.1	2.56	-----	-----	-----	-----
HOFN -ONSALA60	3	92.6-92.6	3.1	11.2	.16	-----	-----	-----	-----
HOFN -RICHMOND	1	92.6-92.6	370.6	-----	-----	-----	-----	-----	-----
HOFN -WESTFORD	3	92.6-92.6	1.9	8.7	.09	-----	-----	-----	-----
HOFN -WETTZELL	3	92.6-92.6	7.7	17.5	.38	-----	-----	-----	-----
HOHENFRG-MOJAVE12	2	89.5-89.5	.7	3.7	.03	-----	-----	-----	-----
HOHENFRG-NOTO	5	89.5-89.5	4.6	13.1	.48	-----	-----	-----	-----
HOHENFRG-RICHMOND	2	89.5-89.5	64.1	38.6	2.76	-----	-----	-----	-----
HOHENFRG-WESTFORD	2	89.5-89.5	29.4	24.5	1.44	-----	-----	-----	-----
HOHENFRG-WETTZELL	5	89.5-89.5	9.6	17.3	1.22	-----	-----	-----	-----
HOHNBERG-WESTFORD	1	92.5-92.5	31.6	-----	-----	-----	-----	-----	-----
HOHNBERG-WETTZELL	3	92.5-92.5	13.7	23.5	.68	-----	-----	-----	-----
HRAS 085-JPL MV1	3	82.8-87.8	66.0	62.7	2.21	-----	-----	-----	-----
HRAS 085-KASHIMA	27	87.3-89.5	-----	-----	-----	40.2	12.4	41.3	1.03
HRAS 085-KODIAK	1	89.5-89.5	48.9	-----	-----	-----	-----	-----	-----
HRAS 085-LEONRDOK	1	87.6-87.6	32.2	-----	-----	-----	-----	-----	-----
HRAS 085-MAMMOTHL	1	83.5-83.5	58.3	-----	-----	-----	-----	-----	-----
HRAS 085-MARPOINT	3	82.8-89.4	15.4	23.6	.85	-----	-----	-----	-----
HRAS 085-MCD 7850	1	88.8-88.8	13.4	-----	-----	-----	-----	-----	-----
HRAS 085-MEDICINA	12	87.3-89.1	7.8	25.8	1.00	-----	-----	-----	-----
HRAS 085-MILESMON	1	88.3-88.3	43.6	-----	-----	-----	-----	-----	-----
HRAS 085-MOJAVE12	134	83.5-90.8	-----	-----	-----	5.3	1.1	22.4	1.32
HRAS 085-MON PEAK	33	82.8-89.4	-----	-----	-----	7.4	4.6	43.4	1.22
HRAS 085-NRAO85 3	1	89.4-89.4	21.4	-----	-----	-----	-----	-----	-----
HRAS 085-NRAO 140	7	80.3-88.8	-----	-----	-----	-8.1	4.7	34.9	3.09

Table 6.4 (continued)

Vertical Statistical Summary

Baseline Name	Sessions: Num Obs	Sessions: Span yr to yr	Mean Statistics: Sigma mm	Mean Statistics: WRMS mm	Mean Statistics: Chi sqr	Rate Statistics: Rate mm/yr	Rate Statistics: Sigma mm/yr	Rate Statistics: WRMS mm	Rate Statistics: Chi sqr
HRAS 085-ONSALA60	107	80.6-89.4	-----	-----	-----	-7.6	1.5	35.4	1.04
HRAS 085-OVRO 130	74	80.3-88.8	-----	-----	-----	.6	1.9	40.4	1.74
HRAS 085-PENTICTN	3	84.7-85.7	118.1	96.3	3.01	-----	-----	-----	-----
HRAS 085-PIETOWN	3	88.7-88.8	2.0	4.7	.35	-----	-----	-----	-----
HRAS 085-PINFLATS	5	85.8-87.0	36.7	53.1	1.91	-----	-----	-----	-----
HRAS 085-PLATTVIL	20	83.4-89.3	-----	-----	-----	-8.5	7.3	48.5	2.31
HRAS 085-PRESIDIO	4	85.2-87.1	36.9	48.4	1.74	-----	-----	-----	-----
HRAS 085-PT REYES	2	85.2-85.8	3.4	11.0	.09	-----	-----	-----	-----
HRAS 085-QUINCY	14	82.8-89.3	-----	-----	-----	-8.1	8.9	54.0	2.48
HRAS 085-RICHMOND	350	84.0-90.8	-----	-----	-----	-2.4	1.1	35.3	1.22
HRAS 085-ROBLED32	1	83.3-83.3	59.7	-----	-----	-----	-----	-----	-----
HRAS 085-VERNAL	6	86.2-89.3	-----	-----	-----	-9.4	21.8	47.9	3.43
HRAS 085-VLA	1	83.6-83.6	263.9	-----	-----	-----	-----	-----	-----
HRAS 085-VNDNBERG	44	83.9-89.4	-----	-----	-----	13.1	4.9	42.5	2.30
HRAS 085-WESTFORD	597	81.4-90.8	-----	-----	-----	-9.9	.7	32.3	1.37
HRAS 085-WETTZELL	415	83.9-90.8	-----	-----	-----	.8	.9	28.7	.91
HRAS 085-YELLOWKN	2	84.7-85.7	124.1	63.4	3.84	-----	-----	-----	-----
HRAS 085-YUMA	18	83.8-88.8	-----	-----	-----	-9.4	11.8	49.5	2.16
JPL MV1 -MAMMOTHL	4	83.5-86.8	48.1	67.2	1.54	-----	-----	-----	-----
JPL MV1 -MOJAVE12	21	83.5-88.9	-----	-----	-----	9.6	7.3	48.4	1.35
JPL MV1 -MON PEAK	1	82.8-82.8	83.4	-----	-----	-----	-----	-----	-----
JPL MV1 -OVRO 130	19	82.8-88.9	-----	-----	-----	11.6	8.6	66.6	1.74
JPL MV1 -PBLOSSOM	7	83.1-88.0	-----	-----	-----	19.4	25.9	90.8	2.08
JPL MV1 -PINFLATS	6	83.8-87.0	-----	-----	-----	-.3	46.8	75.5	3.02
JPL MV1 -PRESIDIO	2	88.8-88.9	158.9	68.2	5.43	-----	-----	-----	-----
JPL MV1 -QUINCY	1	82.8-82.8	432.0	-----	-----	-----	-----	-----	-----
JPL MV1 -VNDNBERG	18	83.6-88.9	-----	-----	-----	5.4	20.8	100.4	5.25
KARLBURG-MATERA	1	92.5-92.5	46.0	-----	-----	-----	-----	-----	-----
KARLBURG-MEDICINA	1	92.5-92.5	44.7	-----	-----	-----	-----	-----	-----
KARLBURG-MOJAVE12	1	92.5-92.5	25.7	-----	-----	-----	-----	-----	-----
KARLBURG-ONSALA60	2	92.5-92.5	3.4	8.9	.15	-----	-----	-----	-----
KARLBURG-WESTFORD	1	92.5-92.5	27.0	-----	-----	-----	-----	-----	-----
KARLBURG-WETTZELL	1	92.5-92.5	26.7	-----	-----	-----	-----	-----	-----
KASHIM34-KASHIMA	7	90.2-90.5	7.9	17.2	1.26	-----	-----	-----	-----
KASHIM34-KAUAI	11	90.2-92.2	25.1	37.3	4.52	-----	-----	-----	-----
KASHIM34-MARCUS	11	90.5-92.5	-----	-----	-----	-43.7	23.3	40.8	1.68
KASHIM34-MATERA	1	92.2-92.2	21.1	-----	-----	-----	-----	-----	-----
KASHIM34-MEDICINA	1	90.6-90.6	12.8	-----	-----	-----	-----	-----	-----
KASHIM34-MOJAVE12	17	90.2-92.4	-----	-----	-----	-18.8	9.1	26.7	2.01
KASHIM34-NOBEY 6M	5	90.2-91.5	84.8	75.7	5.02	-----	-----	-----	-----
KASHIM34-NRAO85 3	1	92.2-92.2	17.9	-----	-----	-----	-----	-----	-----
KASHIM34-ONSALA60	3	90.4-90.6	8.2	12.7	.83	-----	-----	-----	-----
KASHIM34-SANTIA12	2	92.0-92.0	2.7	5.2	.27	-----	-----	-----	-----
KASHIM34-SESHAN25	15	90.2-92.5	-----	-----	-----	-46.1	13.4	37.9	2.70
KASHIM34-SEST	2	90.4-90.4	.3	1.8	.02	-----	-----	-----	-----
KASHIM34-SINTOTU	1	90.6-90.6	22.8	-----	-----	-----	-----	-----	-----
KASHIM34-WESTFORD	4	90.4-92.0	4.8	11.5	.53	-----	-----	-----	-----
KASHIM34-WETTZELL	4	91.3-92.0	43.9	37.8	4.03	-----	-----	-----	-----
KASHIMA -KAUAI	74	84.6-92.9	-----	-----	-----	-38.6	1.6	28.1	1.96
KASHIMA -KWAJAL26	16	84.6-88.6	-----	-----	-----	-14.1	8.4	41.0	1.83

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Table 6.4 (continued)

Vertical Statistical Summary									
Baseline Name	Sessions		Mean Statistics			Rate Statistics			
	Num Obs	Span yr to yr	Sigma mm	WRMS mm	Chi sqr	Rate mm/yr	Sigma mm/yr	WRMS mm	Chi sqr
KASHIMA -MARCUS	4	89.6-90.5	50.3	53.3	2.67	-----	-----	-----	-----
KASHIMA -MATERA	7	92.6-92.8	5.9	19.5	.55	-----	-----	-----	-----
KASHIMA -MEDICINA	3	90.4-92.9	77.4	38.4	8.12	-----	-----	-----	-----
KASHIMA -MIYAZAKI	4	86.8-88.8	161.8	115.4	5.90	-----	-----	-----	-----
KASHIMA -MIZUSGSI	6	91.7-91.9	20.3	29.9	2.31	-----	-----	-----	-----
KASHIMA -MOJAVE12	56	84.1-91.2	-----	-----	-----	-14.3	1.7	24.7	1.55
KASHIMA -NOBEY 6M	3	89.9-90.2	3.4	12.1	.16	-----	-----	-----	-----
KASHIMA -NRAO85 3	7	92.6-92.8	7.8	21.3	.80	-----	-----	-----	-----
KASHIMA -ONSALA60	9	85.5-92.9	-----	-----	-----	-17.6	3.8	29.0	3.02
KASHIMA -RICHMOND	29	87.3-90.1	-----	-----	-----	-43.5	7.7	40.7	1.59
KASHIMA -SAGARA	1	92.9-92.9	33.9	-----	-----	-----	-----	-----	-----
KASHIMA -SANTIA12	7	92.5-92.6	5.4	13.5	.94	-----	-----	-----	-----
KASHIMA -SESHAN25	22	88.3-92.6	-----	-----	-----	13.6	5.1	25.9	1.20
KASHIMA -SHANGHAI	1	86.5-86.5	166.8	-----	-----	-----	-----	-----	-----
KASHIMA -SINTOTU	3	90.6-90.6	33.0	31.9	2.13	-----	-----	-----	-----
KASHIMA -TITIJIMA	4	87.9-89.9	24.4	47.5	.79	-----	-----	-----	-----
KASHIMA -TSUKUBA	10	84.6-91.6	-----	-----	-----	.6	6.1	34.0	2.04
KASHIMA -USUDA64	1	90.6-90.6	25.7	-----	-----	-----	-----	-----	-----
KASHIMA -VNDNBERG	27	85.4-90.1	-----	-----	-----	-33.6	4.4	32.1	2.45
KASHIMA -WESTFORD	11	85.5-92.9	-----	-----	-----	-19.9	2.3	19.0	1.35
KASHIMA -WETTZELL	15	84.7-92.6	-----	-----	-----	-23.5	3.8	37.3	3.99
KASHIMA -WHTHORSE	1	89.6-89.6	47.6	-----	-----	-----	-----	-----	-----
KAUAI -KWAJAL26	20	84.5-88.6	-----	-----	-----	31.9	8.0	49.1	2.16
KAUAI -LA-VLBA	26	91.4-93.0	6.8	19.3	3.05	-----	-----	-----	-----
KAUAI -MARPOINT	6	88.4-89.4	59.5	80.2	2.75	-----	-----	-----	-----
KAUAI -MATERA	22	90.8-92.9	-----	-----	-----	4.1	10.1	23.0	1.30
KAUAI -MOJAVE12	73	84.5-92.6	-----	-----	-----	-15.9	1.2	21.3	2.02
KAUAI -NOTO	3	89.5-91.2	.6	4.0	.05	-----	-----	-----	-----
KAUAI -NRAO85 3	182	89.1-93.0	-----	-----	-----	-28.5	3.8	23.3	1.44
KAUAI -ONSALA60	2	90.4-90.4	1.2	4.3	.08	-----	-----	-----	-----
KAUAI -PIETOWN	6	91.1-91.9	16.1	17.6	4.18	-----	-----	-----	-----
KAUAI -RICHMOND	129	88.4-92.6	-----	-----	-----	-29.1	2.8	26.6	1.53
KAUAI -SANTIA12	5	92.0-92.6	21.3	32.5	1.71	-----	-----	-----	-----
KAUAI -SESHAN25	21	88.3-92.6	-----	-----	-----	39.1	5.6	28.9	1.68
KAUAI -SEST	2	90.4-90.4	11.2	16.2	.48	-----	-----	-----	-----
KAUAI -SHANGHAI	1	86.5-86.5	161.6	-----	-----	-----	-----	-----	-----
KAUAI -USSURISK	1	92.2-92.2	154.0	-----	-----	-----	-----	-----	-----
KAUAI -VNDNBERG	32	84.5-90.1	-----	-----	-----	-16.7	3.5	29.6	2.04
KAUAI -WESTFORD	40	90.4-93.0	-----	-----	-----	-29.0	6.1	20.8	2.93
KAUAI -WETTZELL	39	91.1-93.0	3.5	15.6	1.90	-----	-----	-----	-----
KAUAI -WHTHORSE	1	89.6-89.6	48.5	-----	-----	-----	-----	-----	-----
KIRSBERG-ONSALA60	3	92.5-92.5	6.4	12.9	.50	-----	-----	-----	-----
KIRSBERG-WETTZELL	3	92.5-92.5	2.8	8.5	.22	-----	-----	-----	-----
KODIAK -MOJAVE12	10	87.5-90.5	-----	-----	-----	6.4	7.2	22.6	.50
KODIAK -NOME	4	84.6-86.6	46.8	75.9	1.14	-----	-----	-----	-----
KODIAK -VNDNBERG	4	84.6-86.6	42.0	62.1	1.37	-----	-----	-----	-----
KODIAK -WESTFORD	8	88.5-90.5	12.7	33.7	.99	-----	-----	-----	-----
KP-VLBA -NL-VLBA	1	92.7-92.7	8.1	-----	-----	-----	-----	-----	-----
KP-VLBA -OV-VLBA	1	92.7-92.7	9.1	-----	-----	-----	-----	-----	-----
KP-VLBA -PIETOWN	1	92.7-92.7	8.4	-----	-----	-----	-----	-----	-----

Table 6.4 (continued)

Baseline Name	Sessions: Num Obs	Sessions: Span yr to yr	Mean Statistics: Sigma mm	Mean Statistics: WRMS mm	Mean Statistics: Chi sqr	Rate Statistics: Rate mm/yr	Rate Statistics: Sigma mm/yr	Rate Statistics: WRMS mm	Rate Statistics: Chi sqr
Vertical Statistical Summary									
KWAJAL26-MOJAVE12	17	84.5-88.6	-----	-----	-----	-35.8	7.9	40.1	1.60
KWAJAL26-SESHAN25	3	88.5-88.6	54.9	49.0	2.51	-----	-----	-----	-----
KWAJAL26-VNDNBERG	12	84.5-88.6	-----	-----	-----	-49.8	16.2	52.4	2.89
LA-VLBA -MOJAVE12	15	91.4-92.3	4.4	10.6	2.45	-----	-----	-----	-----
LA-VLBA -NRAO85 1	1	92.8-92.8	7.6	-----	-----	-----	-----	-----	-----
LA-VLBA -NRAO85 3	1	92.8-92.8	7.6	-----	-----	-----	-----	-----	-----
LA-VLBA -NRAO 140	1	92.8-92.8	7.5	-----	-----	-----	-----	-----	-----
LA-VLBA -PIETOWN	6	91.4-93.0	10.4	9.4	6.07	-----	-----	-----	-----
LA-VLBA -WESTFORD	28	91.4-93.0	4.1	12.9	2.66	-----	-----	-----	-----
LA-VLBA -WETTZELL	28	91.4-93.0	2.7	12.0	1.38	-----	-----	-----	-----
LEONRDOK-RICHMOND	1	87.6-87.6	32.5	-----	-----	-----	-----	-----	-----
LEONRDOK-WESTFORD	1	87.6-87.6	27.9	-----	-----	-----	-----	-----	-----
MAMMOTHL-MOJAVE12	4	83.5-86.8	32.7	46.3	1.50	-----	-----	-----	-----
MAMMOTHL-OVRO 130	4	83.5-86.8	3.6	16.9	.14	-----	-----	-----	-----
MAMMOTHL-VNDNBERG	2	84.8-86.8	108.1	54.4	3.95	-----	-----	-----	-----
MARCUS -SESHAN25	8	89.6-92.5	-----	-----	-----	45.3	34.0	61.0	2.32
MARPOINT-MEDICINA	1	89.0-89.0	39.8	-----	-----	-----	-----	-----	-----
MARPOINT-NOTO	1	89.5-89.5	28.9	-----	-----	-----	-----	-----	-----
MARPOINT-NRAO85 3	11	89.1-89.6	34.0	50.2	4.60	-----	-----	-----	-----
MARPOINT-ONSALA60	4	82.5-83.7	10.6	24.9	.55	-----	-----	-----	-----
MARPOINT-OVRO 130	3	82.5-82.8	4.5	15.0	.18	-----	-----	-----	-----
MARPOINT-RICHMOND	22	87.6-89.6	-----	-----	-----	10.5	15.1	44.1	1.70
MARPOINT-WESTFORD	9	82.5-89.4	-----	-----	-----	-2.7	7.2	56.6	5.79
MATERA -MEDICINA	9	91.0-92.9	8.2	13.1	3.12	-----	-----	-----	-----
MATERA -MOJAVE12	8	91.8-92.4	4.7	13.9	.78	-----	-----	-----	-----
MATERA -NOTO	5	91.0-92.3	5.7	10.1	1.27	-----	-----	-----	-----
MATERA -NRAO85 3	35	90.8-92.9	-----	-----	-----	5.8	8.7	26.4	1.22
MATERA -ONSALA60	8	91.0-92.9	18.4	19.8	6.04	-----	-----	-----	-----
MATERA -RICHMOND	9	91.8-92.4	6.5	18.0	1.04	-----	-----	-----	-----
MATERA -SANTIA12	4	92.6-92.6	3.2	10.8	.27	-----	-----	-----	-----
MATERA -TOULOUSE	1	92.4-92.4	34.6	-----	-----	-----	-----	-----	-----
MATERA -WESTFORD	13	91.8-93.0	5.4	16.5	1.27	-----	-----	-----	-----
MATERA -WETTZELL	23	91.0-93.0	3.0	10.9	1.66	-----	-----	-----	-----
MCD 7850-MOJAVE12	1	88.8-88.8	14.8	-----	-----	-----	-----	-----	-----
MCD 7850-PIETOWN	1	88.8-88.8	12.4	-----	-----	-----	-----	-----	-----
MCD 7850-WESTFORD	1	88.8-88.8	18.2	-----	-----	-----	-----	-----	-----
MEDICINA-NOTO	6	90.1-92.3	-----	-----	-----	-6.2	10.3	16.4	5.69
MEDICINA-ONSALA60	20	87.3-92.9	-----	-----	-----	-.5	2.4	16.6	3.41
MEDICINA-RICHMOND	14	87.3-89.0	6.0	24.5	.78	-----	-----	-----	-----
MEDICINA-SESHAN25	2	90.4-91.8	23.4	20.9	1.26	-----	-----	-----	-----
MEDICINA-TOULOUSE	1	92.4-92.4	34.8	-----	-----	-----	-----	-----	-----
MEDICINA-WESTFORD	20	87.3-92.9	-----	-----	-----	-5.5	4.4	29.6	2.39
MEDICINA-WETTZELL	25	87.3-92.9	-----	-----	-----	.1	1.9	14.9	2.91
METSHOVI-MOJAVE12	2	89.5-89.5	95.9	52.1	3.40	-----	-----	-----	-----
METSHOVI-ONSALA60	5	89.5-89.5	20.8	34.4	1.46	-----	-----	-----	-----
METSHOVI-RICHMOND	2	89.5-89.5	36.5	33.8	1.16	-----	-----	-----	-----
METSHOVI-WESTFORD	2	89.5-89.5	87.4	52.5	2.77	-----	-----	-----	-----
METSHOVI-WETTZELL	5	89.5-89.5	44.0	49.8	3.12	-----	-----	-----	-----
MILESMON-MOJAVE12	1	88.3-88.3	43.5	-----	-----	-----	-----	-----	-----
MILESMON-WESTFORD	1	88.3-88.3	49.4	-----	-----	-----	-----	-----	-----

Table 6.4 (continued)

Vertical Statistical Summary									
Baseline Name	Sessions		Mean Statistics			Rate Statistics			
	Num Obs	Span yr to yr	Sigma mm	WRMS mm	Chi sqr	Rate mm/yr	Sigma mm/yr	WRMS mm	Chi sqr
MOJAVE12-MON PEAK	36	83.5-90.9	-----	-----	-----	.6	4.8	44.6	1.78
MOJAVE12-NOBEY 6M	7	89.9-91.5	28.5	48.6	2.07	-----	-----	-----	-----
MOJAVE12-NOME	3	90.5-90.5	6.1	16.9	.26	-----	-----	-----	-----
MOJAVE12-NOTO	10	89.5-91.7	-----	-----	-----	-18.8	7.7	20.0	1.06
MOJAVE12-NRAO85 3	10	89.5-92.6	-----	-----	-----	-8.3	18.9	21.7	2.17
MOJAVE12-NRAO 140	3	88.8-91.8	6.1	10.1	.72	-----	-----	-----	-----
MOJAVE12-OCOTILLO	3	84.2-85.2	117.4	90.8	3.34	-----	-----	-----	-----
MOJAVE12-ONSALA60	49	83.8-92.5	-----	-----	-----	-12.3	1.5	18.3	1.24
MOJAVE12-OVRO 130	81	83.5-88.9	-----	-----	-----	3.0	2.0	29.2	1.51
MOJAVE12-OVR 7853	1	87.8-87.8	9.4	-----	-----	-----	-----	-----	-----
MOJAVE12-PBLOSSOM	9	83.6-88.1	-----	-----	-----	17.8	10.9	43.8	1.61
MOJAVE12-PENTICTN	3	90.6-90.6	7.0	20.2	.24	-----	-----	-----	-----
MOJAVE12-PIETOWN	34	88.7-91.9	-----	-----	-----	4.2	2.5	9.7	2.78
MOJAVE12-PINFLATS	21	83.8-90.1	-----	-----	-----	-2.7	7.1	44.5	1.76
MOJAVE12-PLATTVIL	21	84.3-90.8	-----	-----	-----	-11.5	4.8	38.2	1.62
MOJAVE12-PRESIDIO	22	83.7-91.5	-----	-----	-----	11.0	4.7	36.7	1.38
MOJAVE12-PT REYES	20	83.7-91.5	-----	-----	-----	-6.5	4.1	26.5	.70
MOJAVE12-PVERDES	9	83.9-90.1	-----	-----	-----	8.0	6.1	23.6	.46
MOJAVE12-QUINCY	20	83.5-90.8	-----	-----	-----	-5.4	5.4	34.9	1.54
MOJAVE12-RICHMOND	221	84.0-92.6	-----	-----	-----	-11.5	1.8	21.1	1.56
MOJAVE12-SANPAULA	10	83.7-90.1	-----	-----	-----	-8.2	7.9	35.6	.79
MOJAVE12-SANTIA12	1	91.9-91.9	32.0	-----	-----	-----	-----	-----	-----
MOJAVE12-SEATTLE1	3	86.7-90.6	69.7	61.2	2.59	-----	-----	-----	-----
MOJAVE12-SEST	1	90.3-90.3	31.0	-----	-----	-----	-----	-----	-----
MOJAVE12-SNDPOINT	10	87.6-90.5	-----	-----	-----	42.6	9.6	21.2	.39
MOJAVE12-SOURDOGH	8	87.6-89.6	20.4	41.5	1.70	-----	-----	-----	-----
MOJAVE12-TOULOUSE	1	92.4-92.4	26.8	-----	-----	-----	-----	-----	-----
MOJAVE12-TROMSONO	1	89.6-89.6	26.2	-----	-----	-----	-----	-----	-----
MOJAVE12-VERNAL	8	86.2-90.8	-----	-----	-----	-20.9	13.5	42.9	2.93
MOJAVE12-VICTORIA	3	90.6-90.6	4.5	16.0	.16	-----	-----	-----	-----
MOJAVE12-VNDNBERG	163	83.6-91.6	-----	-----	-----	-1.7	1.7	32.5	2.75
MOJAVE12-WESTFORD	445	83.5-92.7	-----	-----	-----	-12.7	.6	16.7	1.49
MOJAVE12-WETTZELL	266	84.7-92.7	-----	-----	-----	-7.3	.8	15.6	1.04
MOJAVE12-WHTHORSE	5	88.6-89.6	60.0	58.4	4.22	-----	-----	-----	-----
MOJAVE12-YAKATAGA	10	87.6-90.4	-----	-----	-----	9.0	16.4	44.7	1.86
MOJAVE12-YLOW7296	10	91.5-92.5	4.6	14.3	.94	-----	-----	-----	-----
MOJAVE12-YUMA	21	83.8-88.8	-----	-----	-----	-15.4	9.3	43.5	2.10
MOJ 7288-MOJAVE12	1	87.8-87.8	15.1	-----	-----	-----	-----	-----	-----
MOJ 7288-OVRO 130	1	87.8-87.8	16.2	-----	-----	-----	-----	-----	-----
MOJ 7288-OVR 7853	1	87.8-87.8	16.5	-----	-----	-----	-----	-----	-----
MON PEAK-OVRO 130	20	82.8-88.8	-----	-----	-----	1.3	6.4	48.1	1.48
MON PEAK-QUINCY	13	83.5-88.8	-----	-----	-----	.3	10.6	52.9	1.70
MON PEAK-VNDNBERG	26	83.9-89.4	-----	-----	-----	5.7	6.8	44.1	1.77
MON PEAK-WESTFORD	2	90.9-90.9	.0	.6	.00	-----	-----	-----	-----
MON PEAK-YUMA	8	83.8-87.9	-----	-----	-----	-43.4	17.7	38.8	1.17
MV2ONSLA-ONSALA60	1	92.3-92.3	3.9	-----	-----	-----	-----	-----	-----
NL-VLBA -OV-VLBA	1	92.7-92.7	9.4	-----	-----	-----	-----	-----	-----
NL-VLBA -PIETOWN	1	92.7-92.7	9.0	-----	-----	-----	-----	-----	-----
NOME -SNDPOINT	3	84.5-86.6	79.9	76.9	2.16	-----	-----	-----	-----
NOME -VNDNBERG	7	84.5-86.6	-----	-----	-----	-38.2	12.7	20.5	.21

Table 6.4 (continued)

Baseline Name	Sessions: Num Obs	Sessions: Span yr to yr	Mean Statistics: Sigma mm	Mean Statistics: WRMS mm	Mean Statistics: Chi sqr	Rate Statistics: Rate mm/yr	Rate Statistics: Sigma mm/yr	Rate Statistics: WRMS mm	Rate Statistics: Chi sqr
Vertical Statistical Summary									
NOME -WESTFORD	3	90.5-90.5	4.9	14.7	.22	-----	-----	-----	-----
NOTO -NRAO85 3	4	89.5-91.2	1.5	7.5	.11	-----	-----	-----	-----
NOTO -ONSALA60	9	89.4-92.3	-----	-----	-----	1.5	5.7	14.2	2.56
NOTO -RICHMOND	9	89.5-91.7	-----	-----	-----	-8.8	12.1	28.9	1.96
NOTO -WESTFORD	10	89.4-91.7	-----	-----	-----	1.7	9.5	25.3	1.73
NOTO -WETTZELL	22	89.4-92.0	-----	-----	-----	1.2	3.8	15.4	1.72
NRAO85 1-NRAO85 3	1	92.8-92.8	4.8	-----	-----	-----	-----	-----	-----
NRAO85 1-WESTFORD	1	92.8-92.8	5.3	-----	-----	-----	-----	-----	-----
NRAO85 3-RICHMOND	134	89.3-92.6	-----	-----	-----	11.2	4.9	23.0	2.22
NRAO85 3-SANTIA12	5	92.1-92.6	8.6	23.2	.55	-----	-----	-----	-----
NRAO85 3-WESTFORD	9	89.4-92.8	-----	-----	-----	-4.4	12.2	16.7	4.16
NRAO85 3-WETTZELL	9	91.9-92.9	7.3	16.4	1.57	-----	-----	-----	-----
NRAO 140-NRAO85 1	1	92.8-92.8	5.0	-----	-----	-----	-----	-----	-----
NRAO 140-NRAO85 3	2	91.8-92.8	3.8	4.0	.92	-----	-----	-----	-----
NRAO 140-ONSALA60	4	81.9-83.0	40.8	59.0	1.44	-----	-----	-----	-----
NRAO 140-OVRO 130	10	79.6-88.8	-----	-----	-----	14.8	1.9	17.8	.55
NRAO 140-RICHMOND	1	91.8-91.8	12.3	-----	-----	-----	-----	-----	-----
NRAO 140-VLA	2	83.6-83.6	127.4	229.8	.31	-----	-----	-----	-----
NRAO 140-WESTFORD	8	81.9-92.8	-----	-----	-----	-3.4	1.2	12.5	1.95
OCOTILLO-OVRO 130	1	85.2-85.2	53.4	-----	-----	-----	-----	-----	-----
OCOTILLO-PVERDES	1	85.2-85.2	62.1	-----	-----	-----	-----	-----	-----
OCOTILLO-VNDNBERG	3	84.2-85.2	136.7	99.7	3.76	-----	-----	-----	-----
ONSALA60-OVRO 130	33	80.6-87.8	-----	-----	-----	11.5	2.9	41.4	1.57
ONSALA60-RICHMOND	69	84.1-91.7	-----	-----	-----	1.8	2.0	27.5	1.55
ONSALA60-ROBLED32	1	83.3-83.3	54.2	-----	-----	-----	-----	-----	-----
ONSALA60-SEST	3	90.3-90.4	.0	.6	.00	-----	-----	-----	-----
ONSALA60-TROMSONO	8	89.6-92.7	-----	-----	-----	5.2	5.6	20.8	.77
ONSALA60-TRYSILNO	1	92.0-92.0	18.7	-----	-----	-----	-----	-----	-----
ONSALA60-WESTFORD	172	81.8-92.9	-----	-----	-----	-.7	.9	28.6	2.19
ONSALA60-WETTZELL	158	83.6-92.9	-----	-----	-----	2.8	.7	18.2	2.37
OV-VLBA -PIETOWN	1	92.7-92.7	10.0	-----	-----	-----	-----	-----	-----
OVRO 130-PBLOSSOM	7	83.1-87.8	-----	-----	-----	11.3	12.4	40.9	.88
OVRO 130-PINFLATS	7	83.8-86.8	-----	-----	-----	8.6	14.0	31.2	.62
OVRO 130-PLATTVIL	9	83.4-88.3	-----	-----	-----	-27.4	15.9	53.9	2.98
OVRO 130-PRESIDIO	8	83.7-88.9	-----	-----	-----	5.2	11.3	49.3	2.16
OVRO 130-PT REYES	6	83.7-88.9	-----	-----	-----	6.1	10.9	38.9	1.11
OVRO 130-PVERDES	2	83.9-85.2	6.1	18.2	.11	-----	-----	-----	-----
OVRO 130-QUINCY	14	82.8-88.8	-----	-----	-----	-9.3	7.8	48.7	2.22
OVRO 130-SANPAULA	1	83.7-83.7	78.2	-----	-----	-----	-----	-----	-----
OVRO 130-VLA	2	83.6-83.6	274.0	210.8	1.69	-----	-----	-----	-----
OVRO 130-VNDNBERG	46	83.6-88.9	-----	-----	-----	-6.1	5.4	53.7	2.42
OVRO 130-WESTFORD	29	81.5-88.8	-----	-----	-----	-13.4	2.4	29.2	1.56
OVRO 130-WETTZELL	7	85.2-87.8	-----	-----	-----	-20.2	8.4	17.6	.91
OVRO 130-YUMA	7	83.8-87.8	-----	-----	-----	-54.0	23.9	45.5	1.78
OVR 7853-OVRO 130	1	87.8-87.8	12.0	-----	-----	-----	-----	-----	-----
PBLOSSOM-SANPAULA	1	88.1-88.1	68.5	-----	-----	-----	-----	-----	-----
PBLOSSOM-VNDNBERG	9	83.6-88.1	-----	-----	-----	-3.2	12.1	45.8	1.37
PENTICTN-WESTFORD	3	90.6-90.6	16.8	30.3	.62	-----	-----	-----	-----
PENTICTN-YELLOWKN	2	84.7-85.7	9.5	20.9	.21	-----	-----	-----	-----
PIETOWN -WESTFORD	33	88.7-91.9	-----	-----	-----	-17.1	3.7	13.7	3.85

Table 6.4 (continued)

Vertical Statistical Summary

Baseline Name	Sessions		Mean Statistics			Rate Statistics			
	Num Obs	Span yr to yr	Sigma mm	WRMS mm	Chi sqr	Rate mm/yr	Sigma mm/yr	WRMS mm	Chi sqr
PIETOWN -WETTZELL	7	91.1-91.9	13.1	17.4	3.37	-----	-----	-----	-----
PINFLATS-PVERDES	3	87.2-88.1	21.9	34.2	.82	-----	-----	-----	-----
PINFLATS-VNDNBERG	20	83.8-90.1	-----	-----	-----	-6.6	11.2	67.5	3.34
PINFLATS-YUMA	6	83.8-87.0	-----	-----	-----	-29.4	40.5	57.2	1.59
PLATTVIL-VERNAL	1	86.2-86.2	38.9	-----	-----	-----	-----	-----	-----
PLATTVIL-WESTFORD	11	83.4-90.8	-----	-----	-----	-8.3	8.1	41.1	2.18
PRESIDIO-PT REYES	3	83.7-85.8	85.9	77.9	2.44	-----	-----	-----	-----
PRESIDIO-VNDNBERG	20	83.7-90.1	-----	-----	-----	.6	9.3	43.9	1.64
PRESIDIO-WESTFORD	6	89.8-91.5	17.9	36.9	1.18	-----	-----	-----	-----
PRESIDIO-YLOW7296	2	91.5-91.5	63.8	37.8	2.85	-----	-----	-----	-----
PRESIDIO-YUMA	1	87.1-87.1	41.5	-----	-----	-----	-----	-----	-----
PT REYES-VNDNBERG	18	83.7-90.0	-----	-----	-----	-16.4	7.0	34.9	1.04
PT REYES-WESTFORD	6	89.9-91.5	17.9	38.1	1.11	-----	-----	-----	-----
PT REYES-YLOW7296	2	91.5-91.5	5.2	11.6	.20	-----	-----	-----	-----
PT REYES-YUMA	1	87.8-87.8	54.3	-----	-----	-----	-----	-----	-----
PVERDES -VNDNBERG	9	83.9-90.1	-----	-----	-----	-15.0	11.1	40.7	1.24
QUINCY -VNDNBERG	13	84.3-89.8	-----	-----	-----	10.9	9.6	34.7	1.51
QUINCY -WESTFORD	2	89.8-89.8	23.9	27.0	.78	-----	-----	-----	-----
RICHMOND-SANTIA12	2	92.5-92.6	113.2	43.5	6.76	-----	-----	-----	-----
RICHMOND-TROMSONO	1	89.6-89.6	26.9	-----	-----	-----	-----	-----	-----
RICHMOND-WESTFORD	562	84.0-92.6	-----	-----	-----	-.8	.5	22.1	1.60
RICHMOND-WETTZELL	533	84.1-92.6	-----	-----	-----	8.8	.5	24.5	1.23
RICHMOND-YLOW7296	3	91.6-92.5	2.3	7.0	.21	-----	-----	-----	-----
ROBLED32-WESTFORD	1	83.3-83.3	60.2	-----	-----	-----	-----	-----	-----
SANPAULA-VNDNBERG	10	83.7-90.1	-----	-----	-----	9.3	10.3	44.3	1.11
SANTIA12-SESHAN25	5	92.0-92.6	9.8	16.6	1.40	-----	-----	-----	-----
SANTIA12-WESTFORD	9	91.9-92.9	25.6	43.0	2.82	-----	-----	-----	-----
SANTIA12-WETTZELL	9	91.9-92.9	8.5	22.0	1.18	-----	-----	-----	-----
SEATTLE1-WESTFORD	3	86.7-90.6	169.6	98.6	5.91	-----	-----	-----	-----
SESHAN25-WESTFORD	4	92.0-92.6	6.7	19.9	.34	-----	-----	-----	-----
SESHAN25-WETTZELL	9	90.3-92.6	-----	-----	-----	-41.8	5.8	13.7	.23
SEST -WESTFORD	3	90.3-90.4	.5	4.3	.02	-----	-----	-----	-----
SINTOTU -USUDA64	1	90.6-90.6	31.5	-----	-----	-----	-----	-----	-----
SNDPOINT-VNDNBERG	3	84.5-86.6	104.4	82.5	3.21	-----	-----	-----	-----
SNDPOINT-WESTFORD	8	88.5-90.5	-----	-----	-----	-78.2	15.7	28.6	.87
SOURDOGH-VNDNBERG	8	84.6-86.6	-----	-----	-----	38.3	27.4	45.9	1.34
SOURDOGH-WESTFORD	6	88.6-89.6	24.5	41.0	1.79	-----	-----	-----	-----
SOURDOGH-WHTHORSE	3	84.6-86.6	15.8	32.6	.47	-----	-----	-----	-----
SOURDOGH-YAKATAGA	4	84.6-86.6	16.3	36.1	.61	-----	-----	-----	-----
TOULOUSE-WESTFORD	1	92.4-92.4	28.7	-----	-----	-----	-----	-----	-----
TOULOUSE-WETTZELL	2	92.4-92.4	27.7	25.4	1.18	-----	-----	-----	-----
TROMSONO-WESTFORD	5	89.6-92.7	-----	-----	-----	-7.6	5.3	12.0	.31
TROMSONO-WETTZELL	8	89.6-92.7	-----	-----	-----	-3.6	5.2	19.7	.68
TRYSILNO-WESTFORD	12	91.9-92.2	11.9	29.5	1.78	-----	-----	-----	-----
TRYSILNO-WETTZELL	10	91.9-92.2	10.3	24.9	1.53	-----	-----	-----	-----
VERNAL -VNDNBERG	1	88.8-88.8	22.3	-----	-----	-----	-----	-----	-----
VERNAL -WESTFORD	4	89.3-90.8	5.8	18.1	.31	-----	-----	-----	-----
VERNAL -YUMA	1	88.8-88.8	29.8	-----	-----	-----	-----	-----	-----
VICTORIA-WESTFORD	3	90.6-90.6	8.7	21.8	.32	-----	-----	-----	-----
VNDNBERG-WESTFORD	12	89.8-91.6	9.0	27.2	1.20	-----	-----	-----	-----

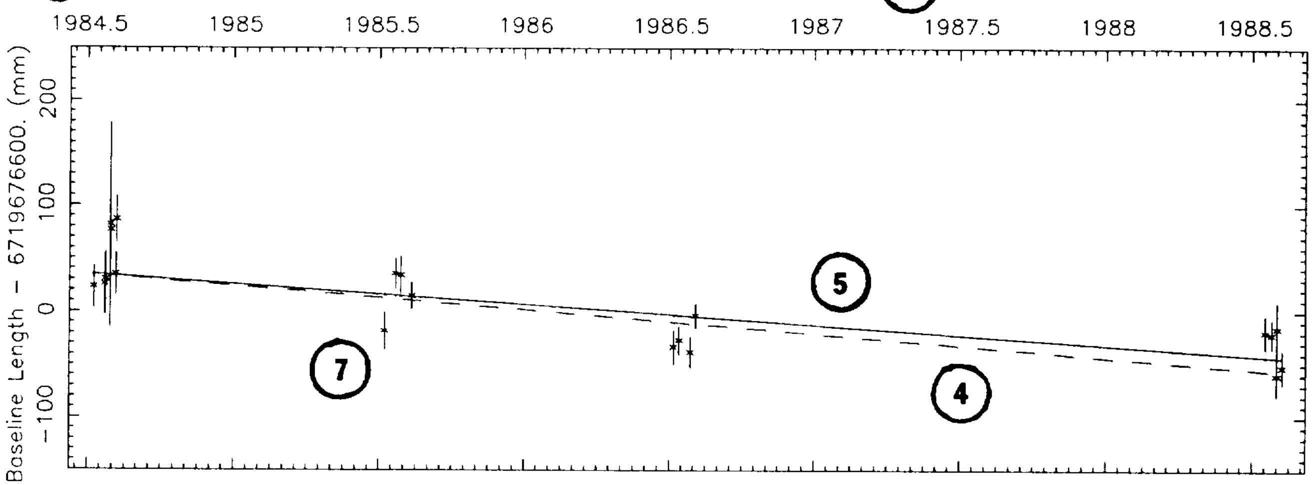
Table 6.4 (continued)

Vertical Statistical Summary									
Baseline Name	Sessions		Mean Statistics			Rate Statistics			
	Num Obs	Span yr to yr	Sigma mm	WRMS mm	Chi sqr	Rate mm/yr	Sigma mm/yr	WRMS mm	Chi sqr
VNDNBERG-WHTHORSE	3	84.6-86.6	64.4	61.5	2.19	-----	-----	-----	-----
VNDNBERG-YAKATAGA	4	84.6-86.6	58.7	68.1	2.23	-----	-----	-----	-----
VNDNBERG-YUMA	19	83.8-88.8	-----	-----	-----	-14.8	14.5	61.7	3.70
WESTFORD-WETTZELL	748	83.9-93.0	-----	-----	-----	5.0	.4	21.9	1.52
WESTFORD-WHTHORSE	4	88.6-89.6	119.6	75.6	7.50	-----	-----	-----	-----
WESTFORD-YAKATAGA	7	88.6-90.4	26.6	47.9	1.86	-----	-----	-----	-----
WESTFORD-YLOW7296	14	91.5-92.5	6.8	18.9	1.68	-----	-----	-----	-----

2 Vector baseline plots for GILCREEK–KWAJAL26

1 Baseline length = 6720 kilometers

3 Number of sessions = 20



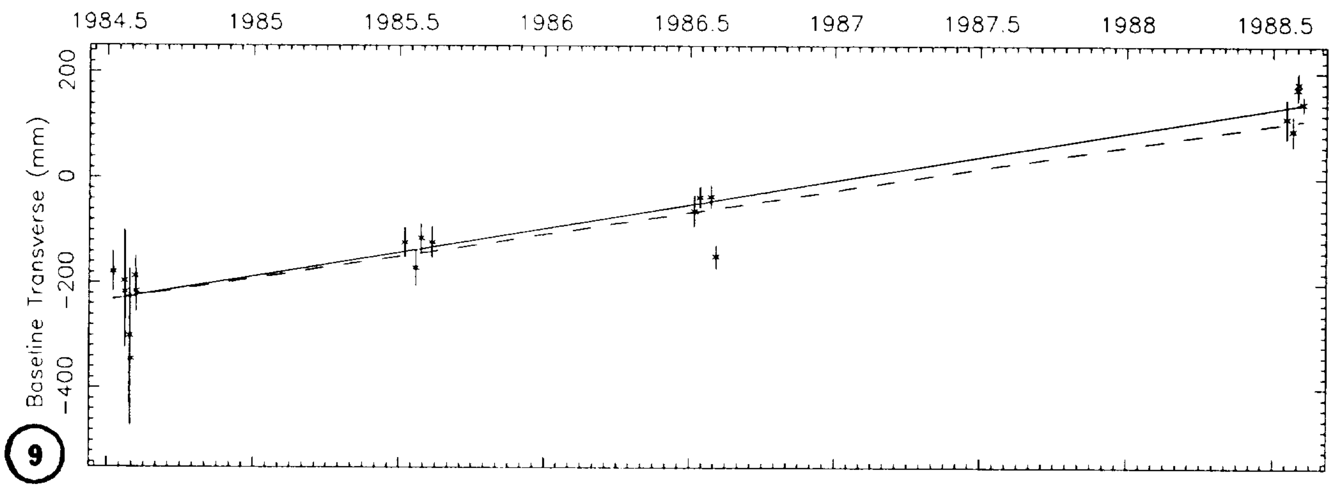
Observed Rate = −19.1 ± 3.8 mm/yr

8 NUVEL model rate = −22.4 mm/yr

Wrms of fit = 22.8 mm

6 Weighted mean length = 6719676597.2 mm

Reduced Chi square = 1.97

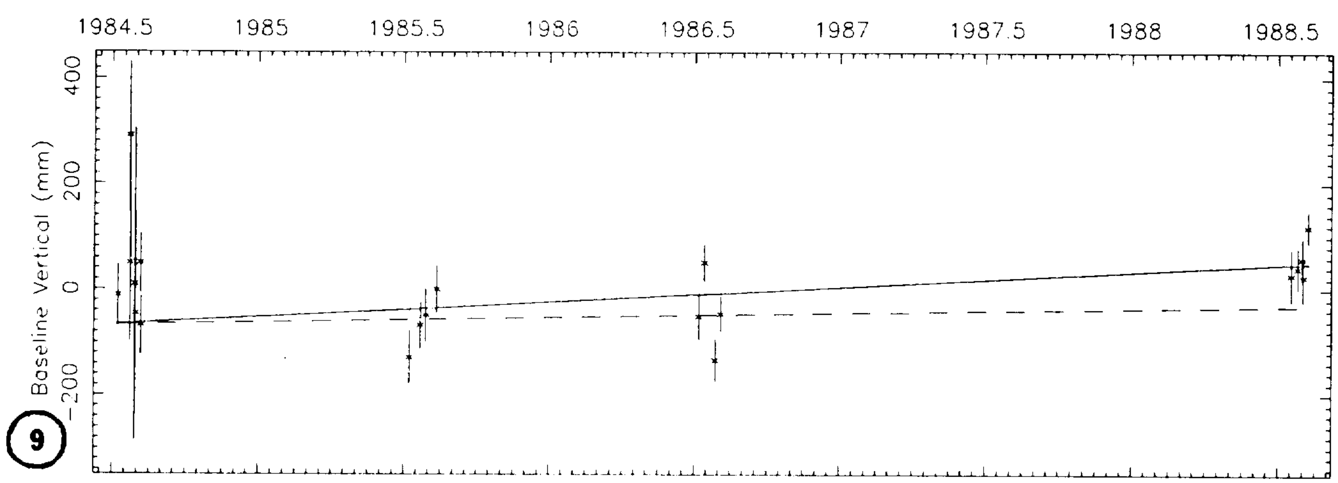


Observed Rate = 91.6 ± 6.3 mm/yr

NUVEL model rate = 83.9 mm/yr

Wrms of fit = 38.5 mm

Reduced Chi square = 1.99



Observed Rate = 28.6 ± 10.6 mm/yr

NUVEL model rate = 8.9 mm/yr

Wrms of fit = 64.3 mm

Reduced Chi square = 2.07

7.0 Baseline Evolution from GLB908

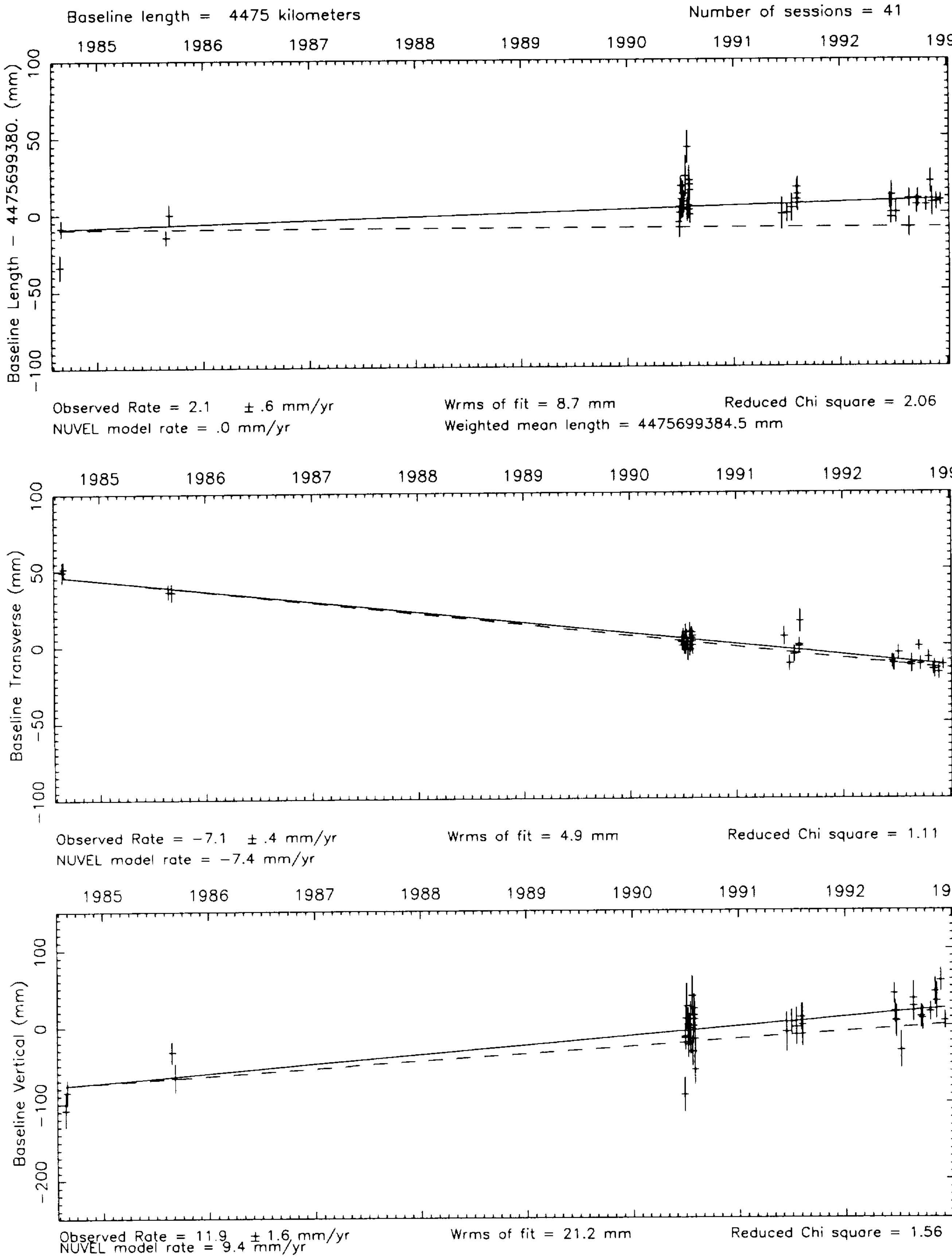
Plots 7.2 through 7.89 present the observed variation of the baseline components over the period of the observations for those baselines on with observations made in 1992 and with at least five observations spanning a minimum of two years. The transverse and vertical components are shown as offsets from their mean values. See the text for the definition and interpretation of the transverse and vertical components. An example plot appears on the facing page. The notes below are provided to clarify the interpretation of the plots.

1 -- Baseline length in kilometers
2 -- Baseline name
3 -- Number of sessions including observations on this baseline
4 -- Dashed line indicates slope predicted by NUVEL plate motion model assuming sites occupy plates indicated in Table 1.2.
5 -- Line of best fit by least squares
6 -- Baseline component statistics
7 -- Observed value in millimeters with 1-σ standard statistical error bar
8 -- Baseline length with arbitrary offset subtracted, standard scales span 200, 400, 800 or 1200 mm
9 -- Baseline component with mean subtracted (transverse and vertical), standard scales span 200, 400, 800 or 1200 mm
10 -- Plot number (same as page number)

Tables 7.90 through 7.221 present the length, transverse, and vertical baseline evolution information with their residual from the mean value and respective one-sigma standard statistical errors for those baselines which were observed in fewer than five sessions or over a time span of less than two years but had at least one observation in 1992. Unlike tables 6.3 and 6.4 the transverse and vertical components are included so that the user may make comparisons between sessions.

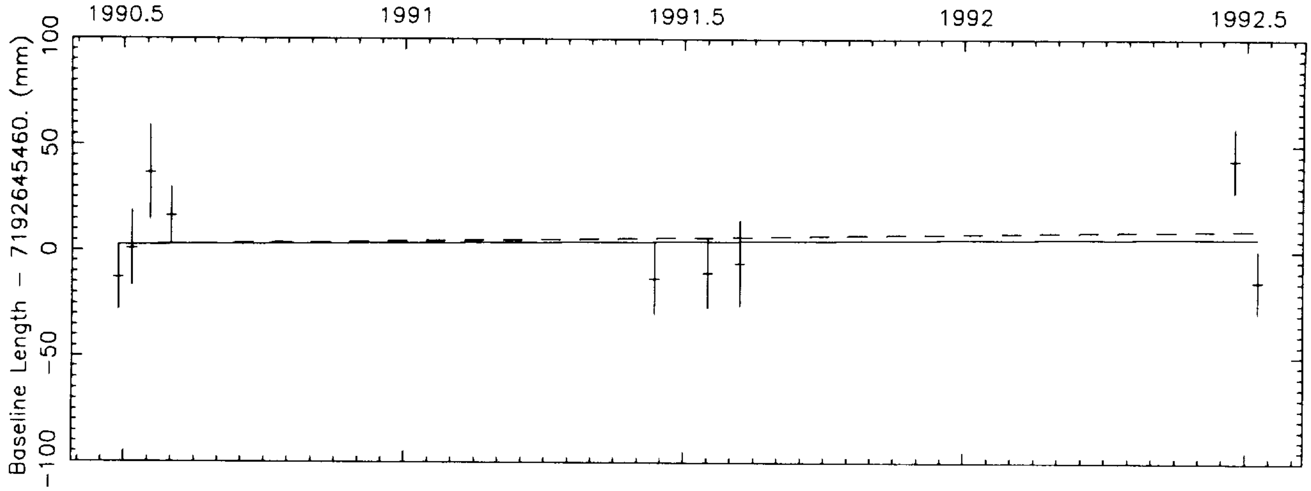
The machine-readable version contains all the data plotted and tabulated in section 7 and includes the same results for all baselines wihtin the solutions used to generate the annual report regardless of whether or not observations were obtained in 1992.

Vector baseline plots for ALGOPARK–GILCREEK

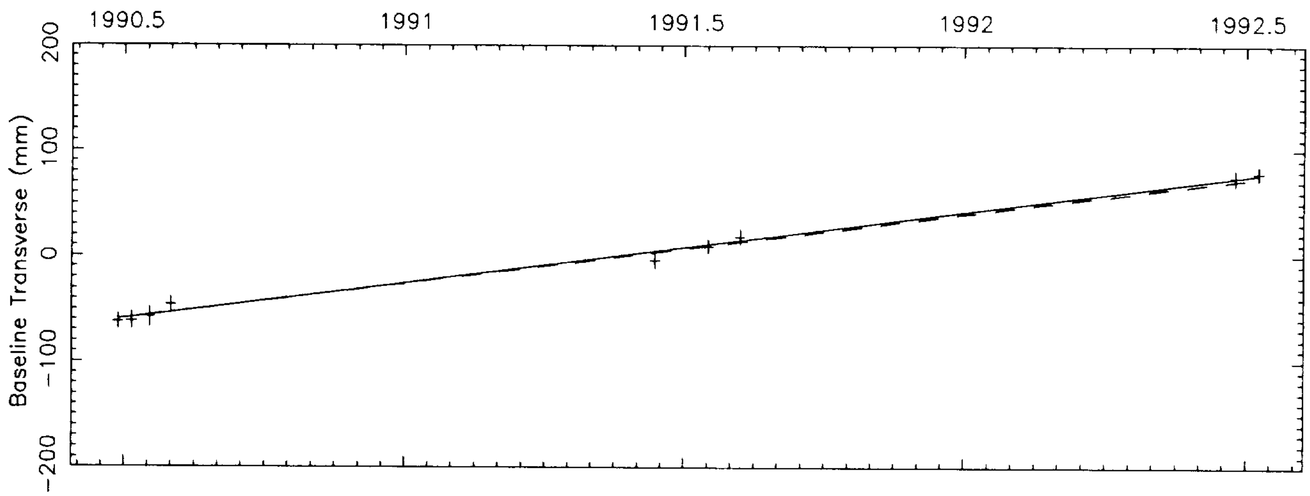


Vector baseline plots for ALGOPARK–KAUAI

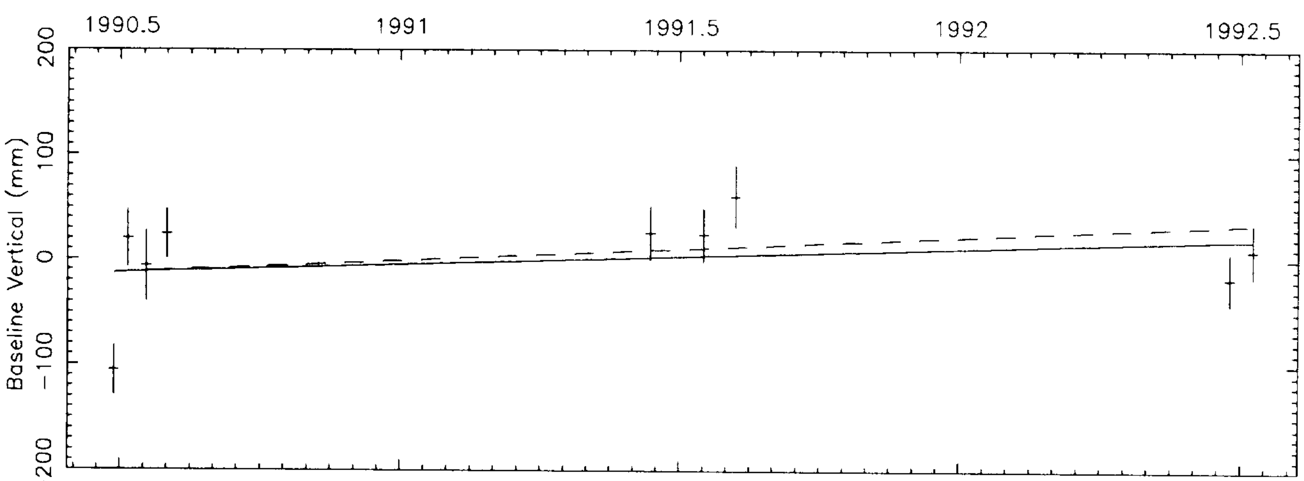
Baseline length = 7192 kilometers   Number of sessions = 9



Observed Rate = 1.7 ± 9.6 mm/yr
NUVEL model rate = 3.6 mm/yr
Wrms of fit = 20.6 mm
Weighted mean length = 7192645464.1 mm
Reduced Chi square = 2.05



Observed Rate = 67.4 ± 2.2 mm/yr
NUVEL model rate = 65.9 mm/yr
Wrms of fit = 4.4 mm
Reduced Chi square = .47

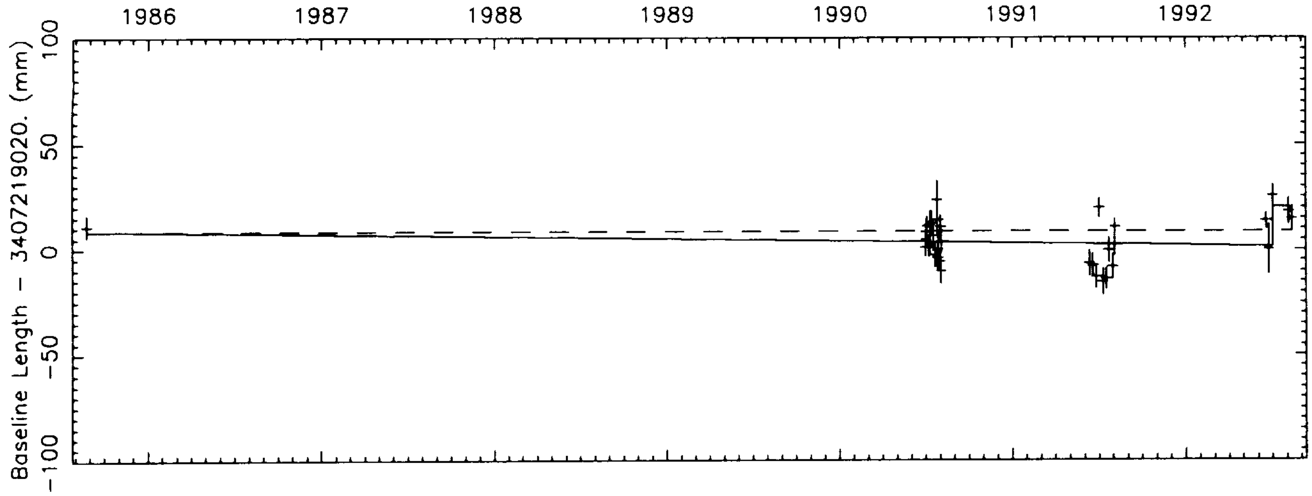


Observed Rate = 15.6 ± 21.6 mm/yr
NUVEL model rate = 22.9 mm/yr
Wrms of fit = 45.1 mm
Reduced Chi square = 3.85

Vector baseline plots for ALGOPARK–MOJAVE12

Baseline length = 3407 kilometers

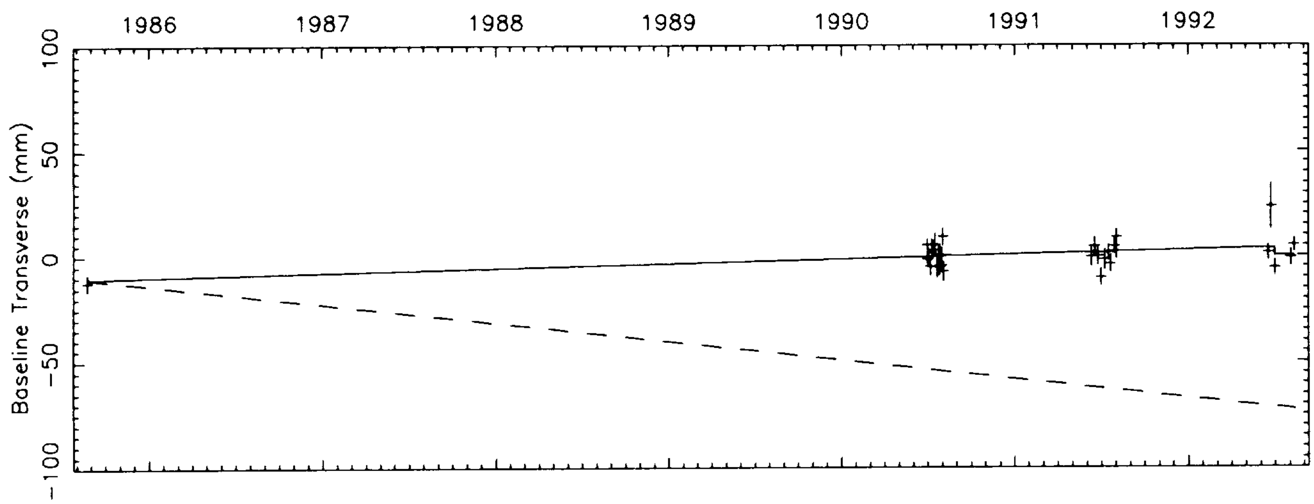
Number of sessions = 34



Observed Rate = –1.0 ± 1.5 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 8.9 mm
Weighted mean length = 3407219024.3 mm
Offset = 18.7 ± 6.5 mm

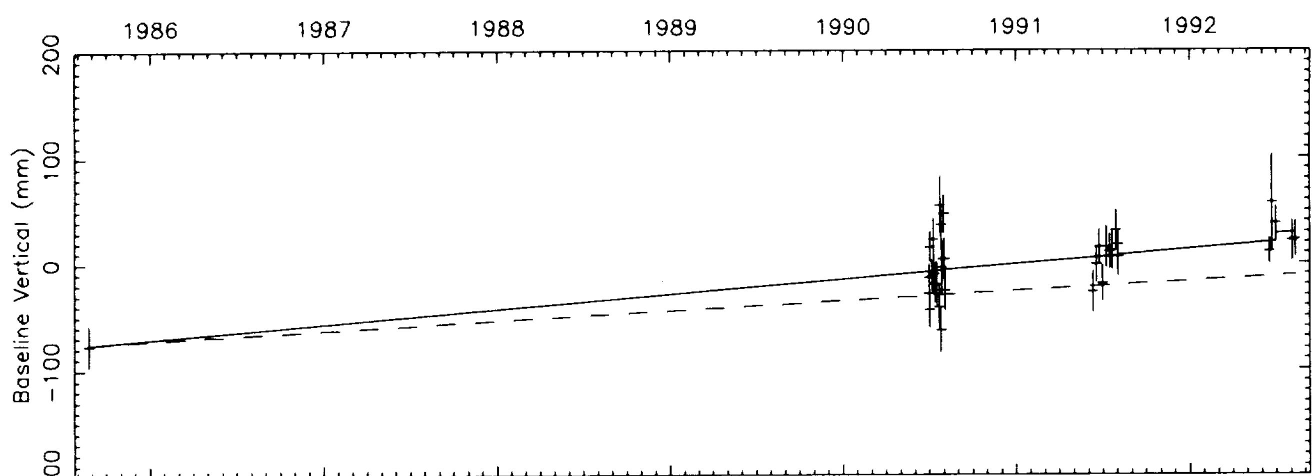
Reduced Chi square = 3.06



Observed Rate = 2.1 ± .8 mm/yr
NUVEL model rate = –8.9 mm/yr

Wrms of fit = 4.6 mm
Offset = –3.8 ± 3.1 mm

Reduced Chi square = 1.60



Observed Rate = 14.0 ± 4.0 mm/yr
NUVEL model rate = 9.3 mm/yr

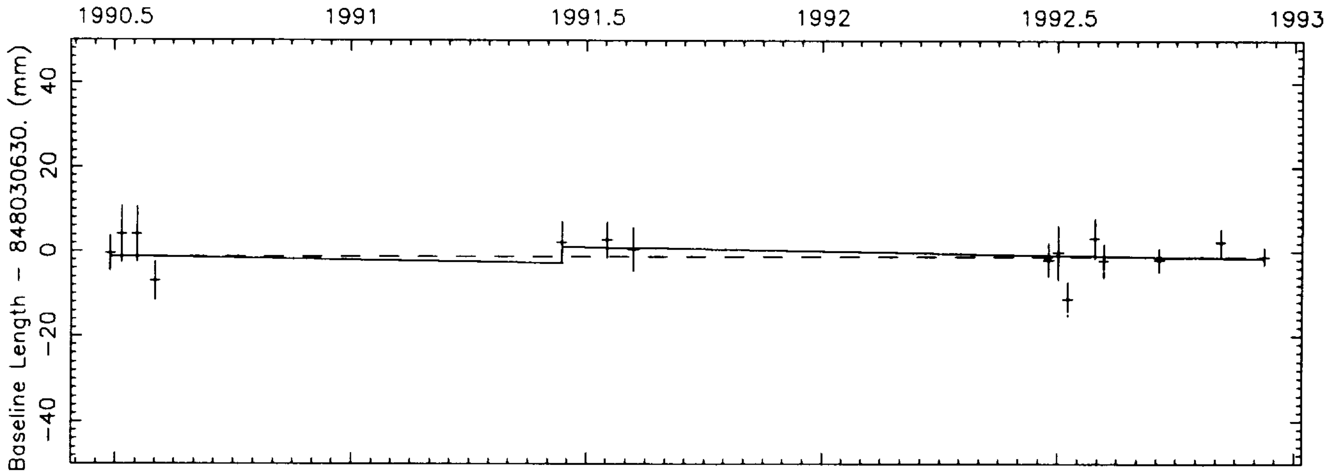
Wrms of fit = 21.9 mm

Reduced Chi square = 1.79
Offset = 7.3 ± 15.2 mm

Vector baseline plots for ALGOPARK–NRAO85 3

Baseline length = 848 kilometers

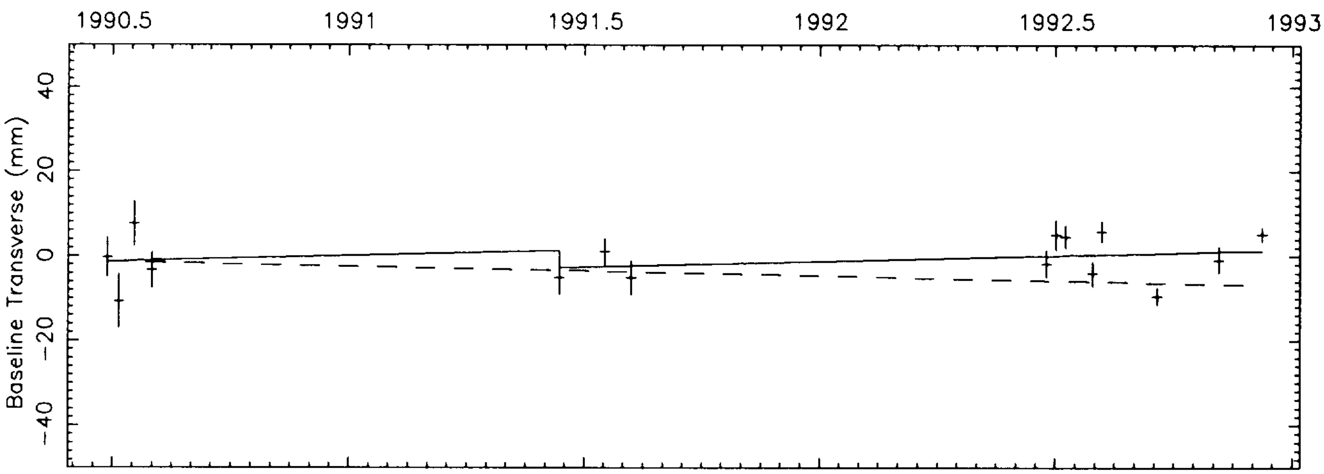
Number of sessions = 15



Observed Rate = −1.8 ± 2.3 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 3.4 mm
Weighted mean length = 848030629.0 mm
Offset = 3.9 ± 5.4 mm

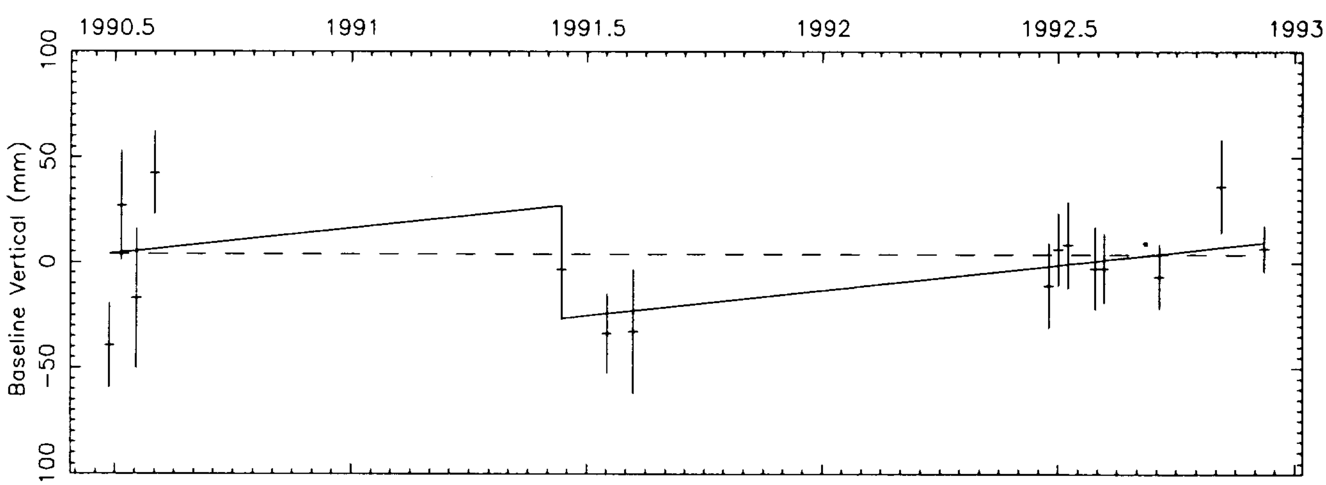
Reduced Chi square = .98



Observed Rate = 2.7 ± 3.7 mm/yr
NUVEL model rate = −2.3 mm/yr

Wrms of fit = 5.5 mm
Offset = −4.1 ± 9.2 mm

Reduced Chi square = 4.25



Observed Rate = 24.1 ± 12.2 mm/yr
NUVEL model rate = .0 mm/yr

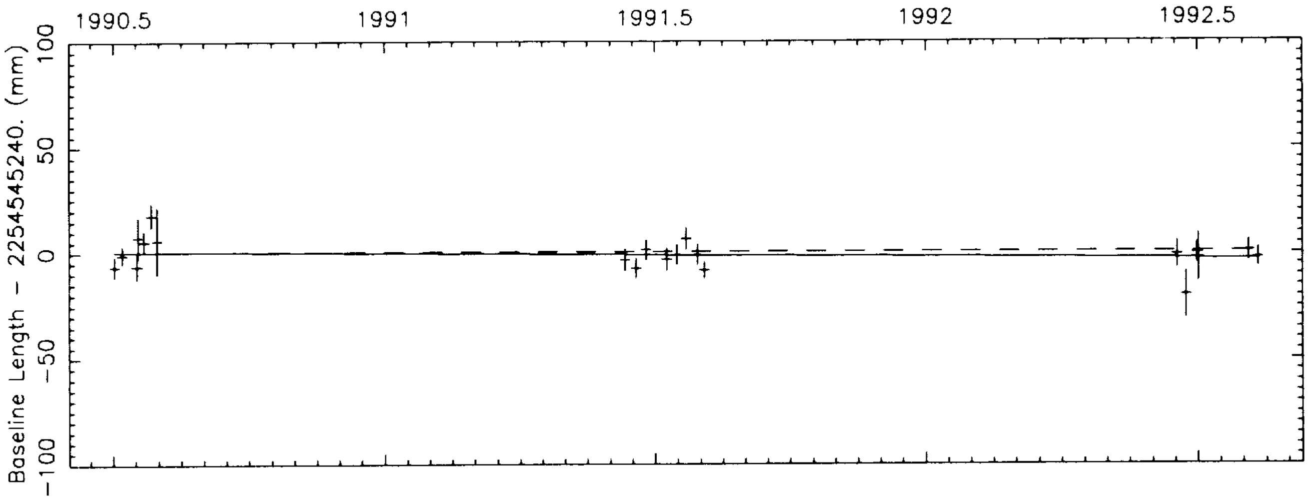
Wrms of fit = 17.9 mm

Reduced Chi square = 1.13
Offset = −53.6 ± 27.7 mm

Vector baseline plots for ALGOPARK–RICHMOND

Baseline length = 2254 kilometers

Number of sessions = 21



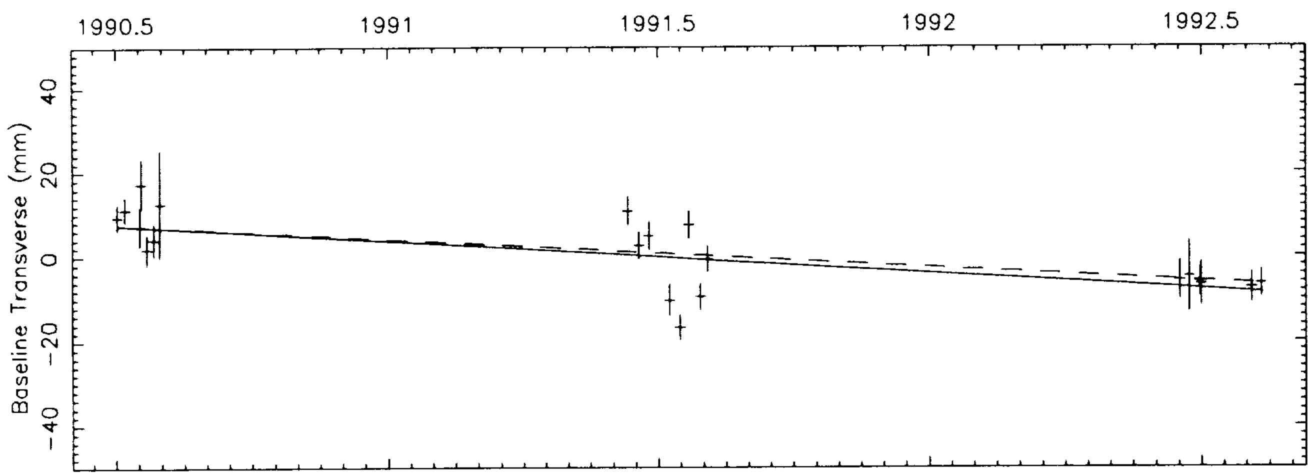
Observed Rate = −1.8 ± 1.9 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 5.9 mm

Weighted mean length = 2254545238.9 mm

Reduced Chi square = 1.38

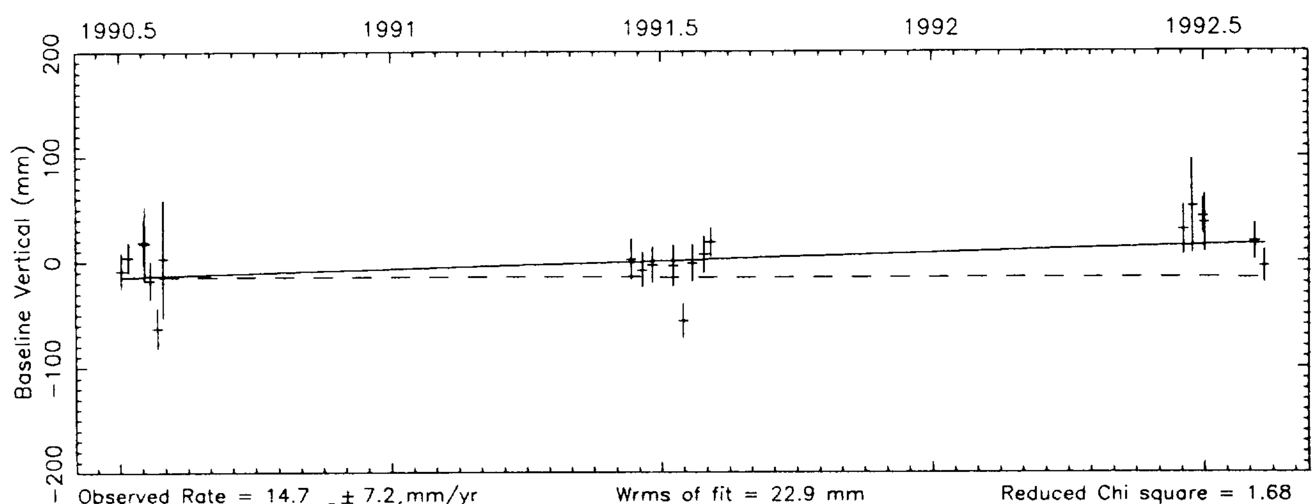


Observed Rate = −7.6 ± 2.1 mm/yr

NUVEL model rate = −6.6 mm/yr

Wrms of fit = 6.8 mm

Reduced Chi square = 3.81



Observed Rate = 14.7 ± 7.2 mm/yr

NUVEL model rate = −.5 mm/yr

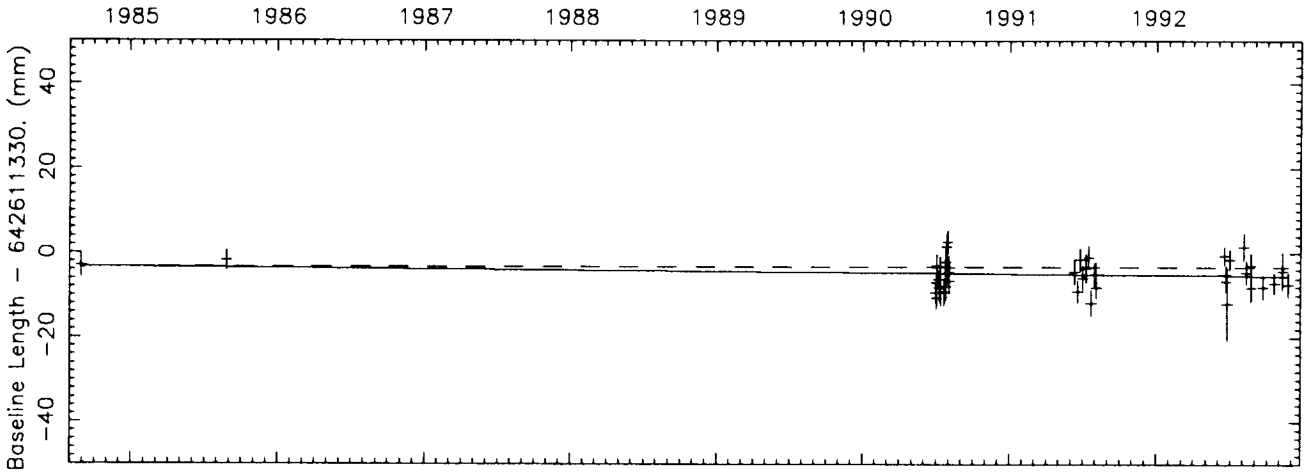
Wrms of fit = 22.9 mm

Reduced Chi square = 1.68

Vector baseline plots for ALGOPARK–WESTFORD

Baseline length = 642 kilometers

Number of sessions = 42



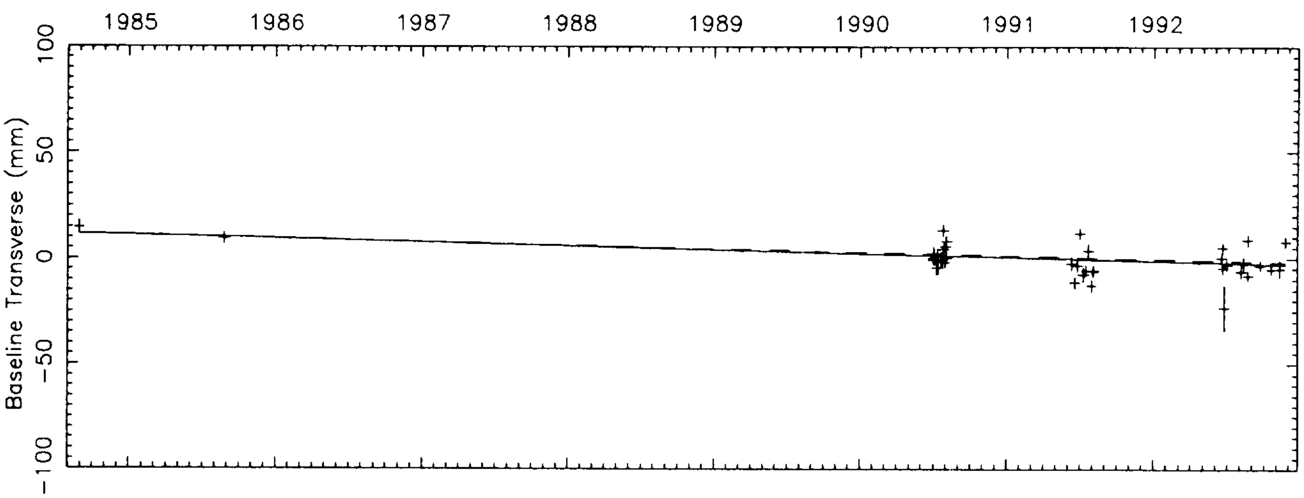
Observed Rate = –.3 ± .3 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 3.3 mm

Weighted mean length = 642611325.0 mm

Reduced Chi square = 1.50

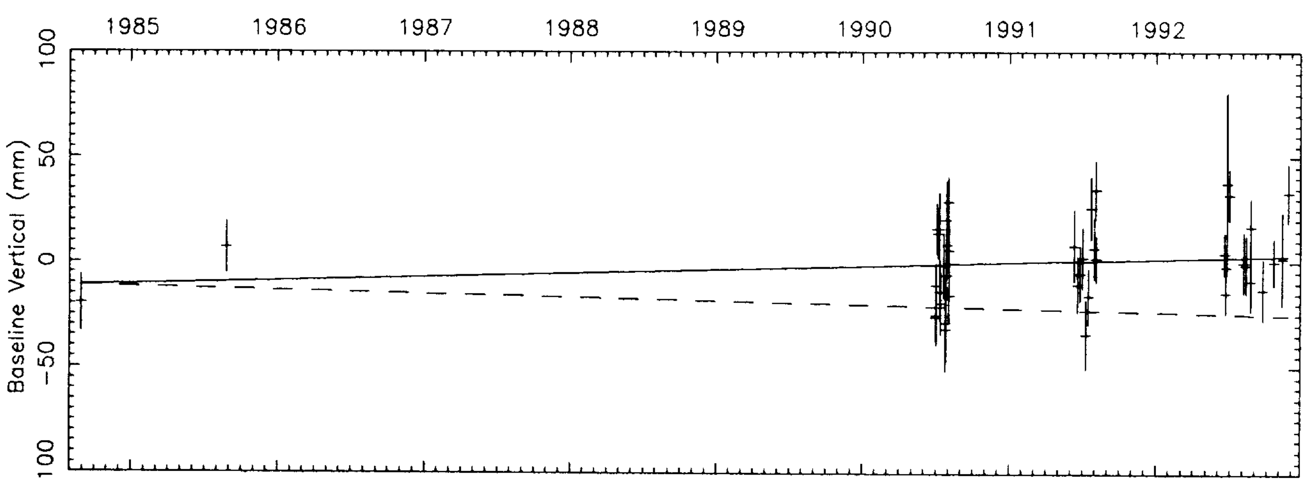


Observed Rate = –1.7 ± .6 mm/yr

NUVEL model rate = –1.6 mm/yr

Wrms of fit = 5.6 mm

Reduced Chi square = 4.91



Observed Rate = 1.7 ± 1.6 mm/yr

NUVEL model rate = –1.7 mm/yr

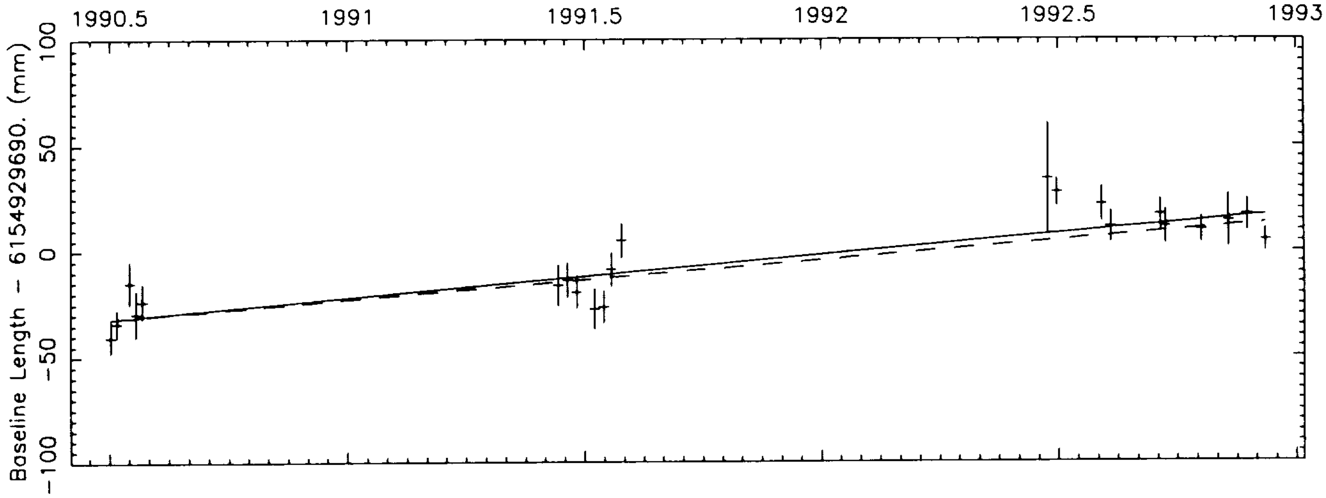
Wrms of fit = 17.0 mm

Reduced Chi square = 1.68

Vector baseline plots for ALGOPARK–WETTZELL

Baseline length = 6154 kilometers

Number of sessions = 22



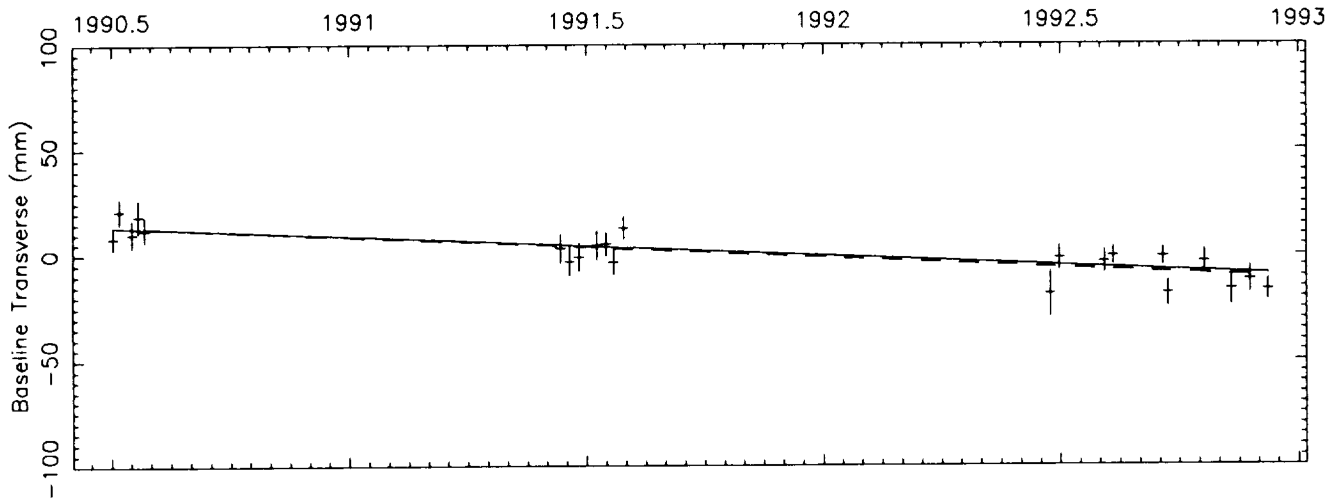
Observed Rate = 20.2 ± 2.4 mm/yr

NUVEL model rate = 18.6 mm/yr

Wrms of fit = 9.8 mm

Weighted mean length = 6154929686.7 mm

Reduced Chi square = 1.72

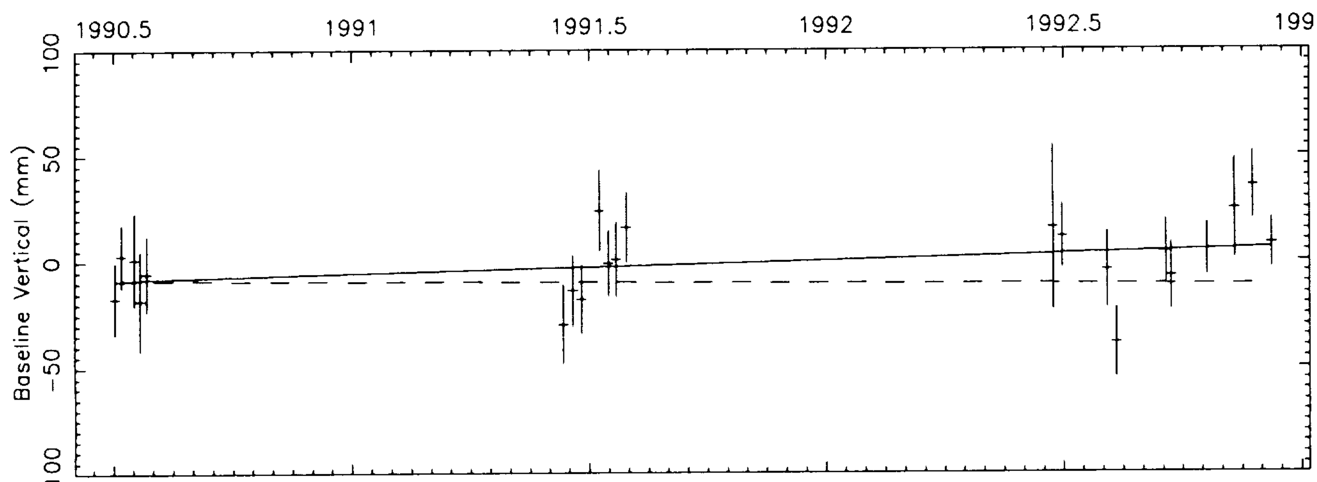


Observed Rate = −9.3 ± 1.6 mm/yr

NUVEL model rate = −9.9 mm/yr

Wrms of fit = 6.1 mm

Reduced Chi square = 1.18



Observed Rate = 6.0 ± 4.0 mm/yr

NUVEL model rate = −1.0 mm/yr

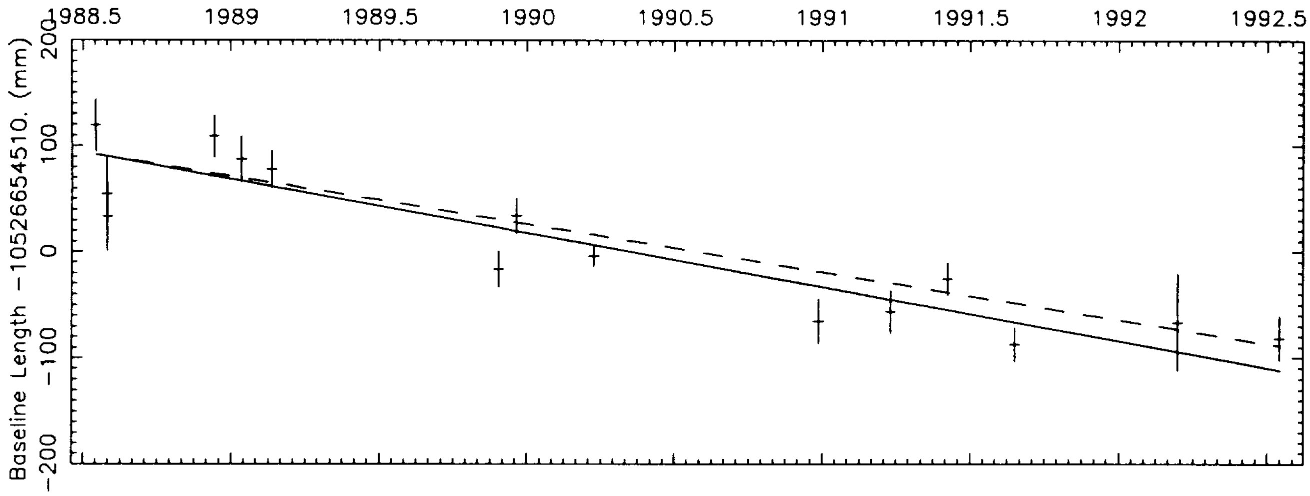
Wrms of fit = 15.9 mm

Reduced Chi square = 1.00

Vector baseline plots for DSS45 —GILCREEK

Baseline length = 10526 kilometers

Number of sessions = 15



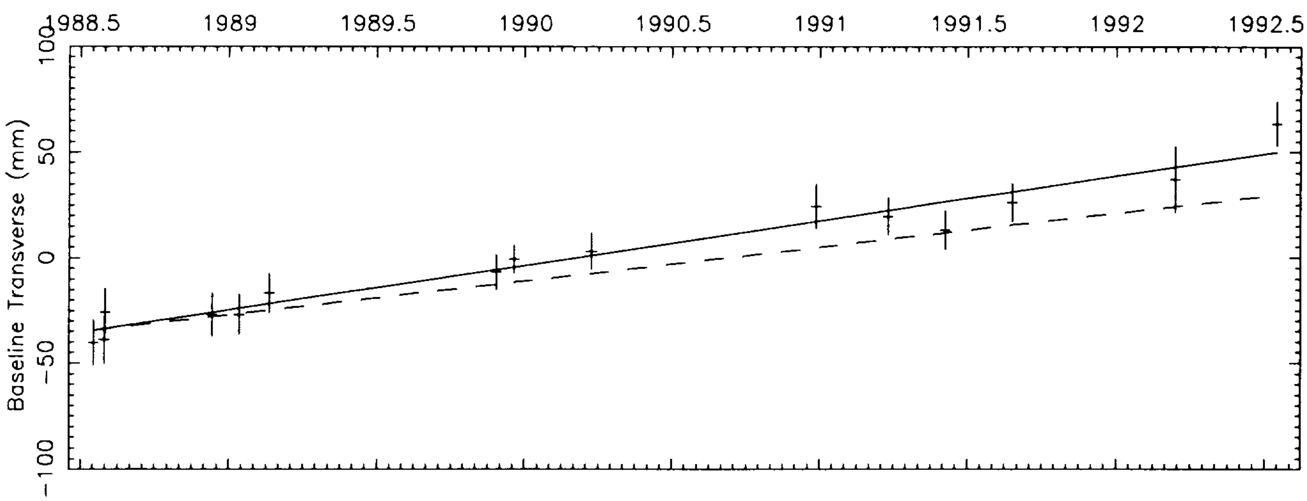
Observed Rate = −51.0 ± 6.4 mm/yr

NUVEL model rate = −45.2 mm/yr

Wrms of fit = 25.0 mm

Weighted mean length = 10526654511.8 mm

Reduced Chi square = 2.21

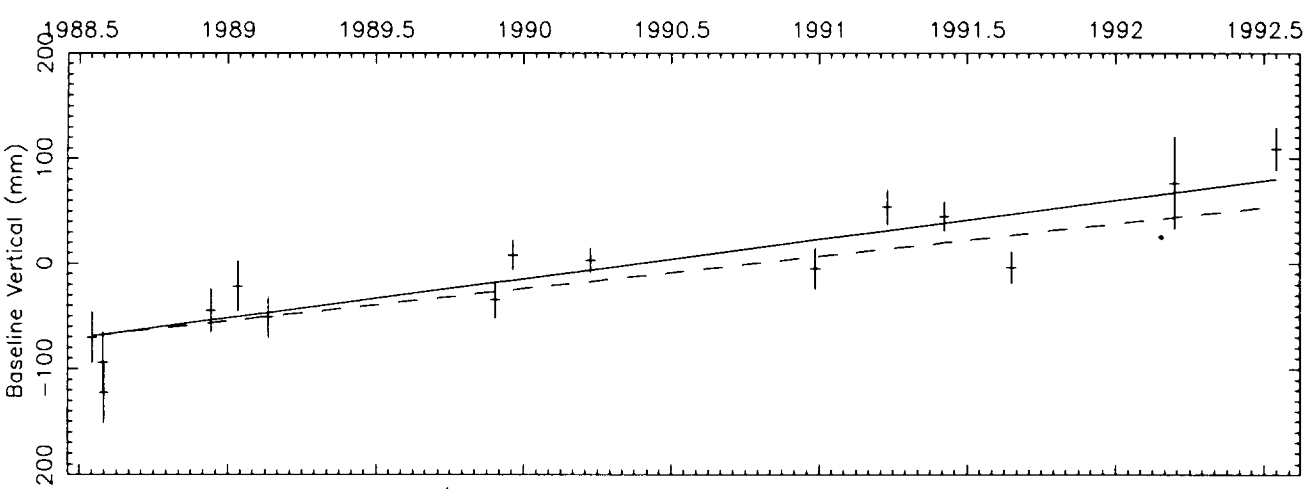


Observed Rate = 21.1 ± 1.5 mm/yr

NUVEL model rate = 16.0 mm/yr

Wrms of fit = 6.3 mm

Reduced Chi square = .51



Observed Rate = 37.4 ± 6.1 mm/yr

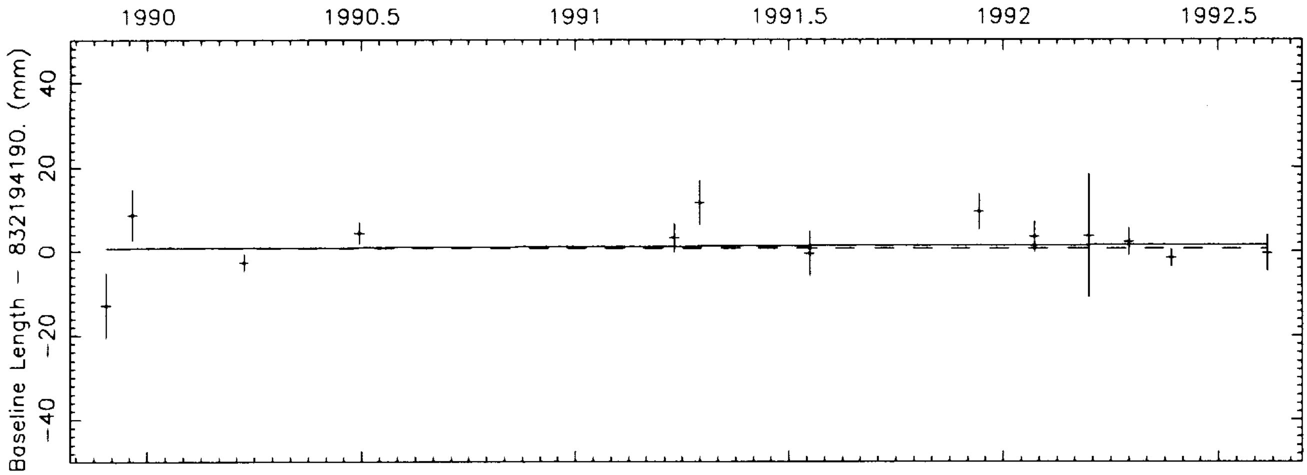
NUVEL model rate = 30.9 mm/yr

Wrms of fit = 24.8 mm

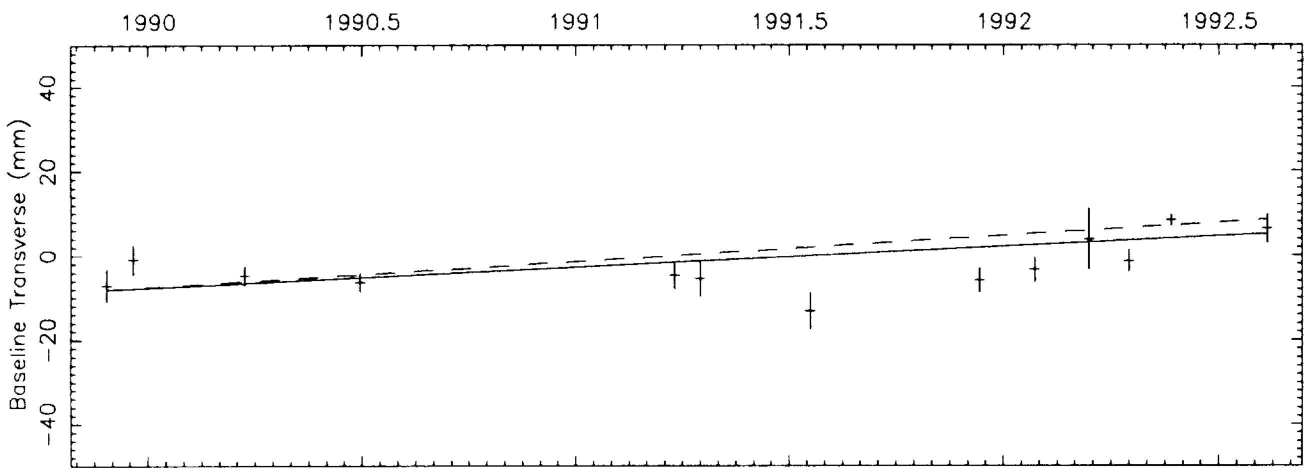
Reduced Chi square = 2.14

Vector baseline plots for DSS45 —HOBART26

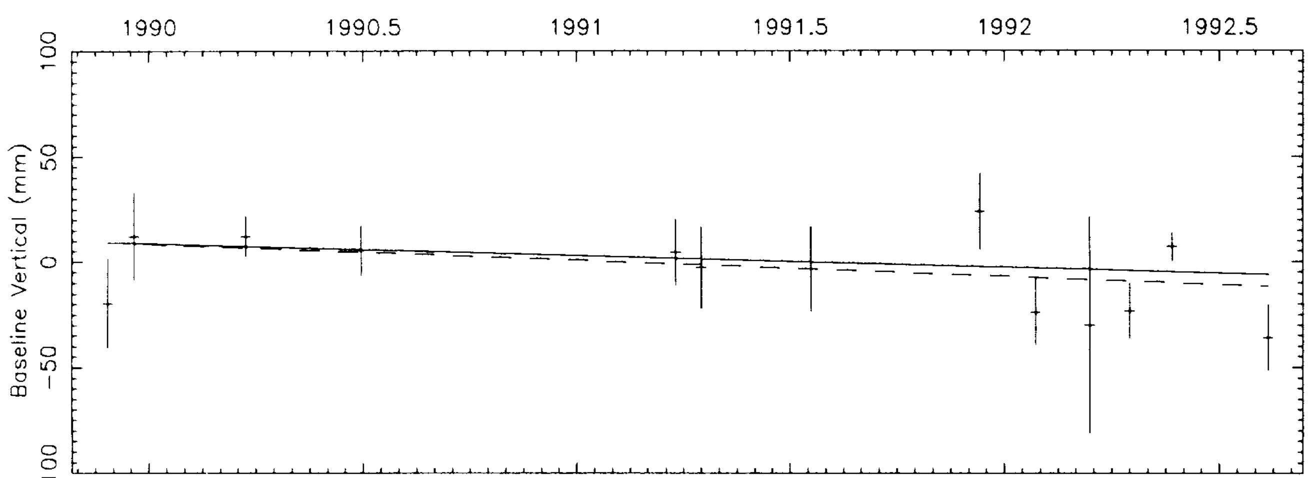
Baseline length = 832 kilometers | Number of sessions = 13



Observed Rate = .4 ± 1.4 mm/yr | Wrms of fit = 4.2 mm | Reduced Chi square = 1.83
NUVEL model rate = .0 mm/yr | Weighted mean length = 832194191.1 mm



Observed Rate = 4.9 ± 1.5 mm/yr | Wrms of fit = 4.7 mm | Reduced Chi square = 3.71
NUVEL model rate = 6.1 mm/yr

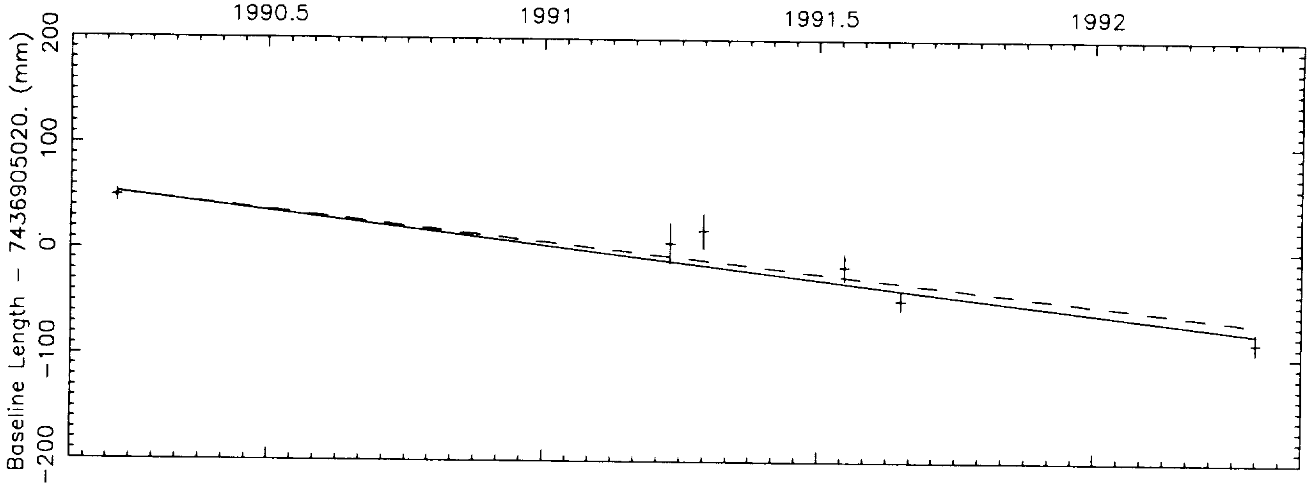


Observed Rate = −5.6 ± 4.6 mm/yr | Wrms of fit = 14.6 mm | Reduced Chi square = 1.38
NUVEL model rate = −7.6 mm/yr

Vector baseline plots for DSS45 —KASHIM34

Baseline length = 7436 kilometers

Number of sessions = 6



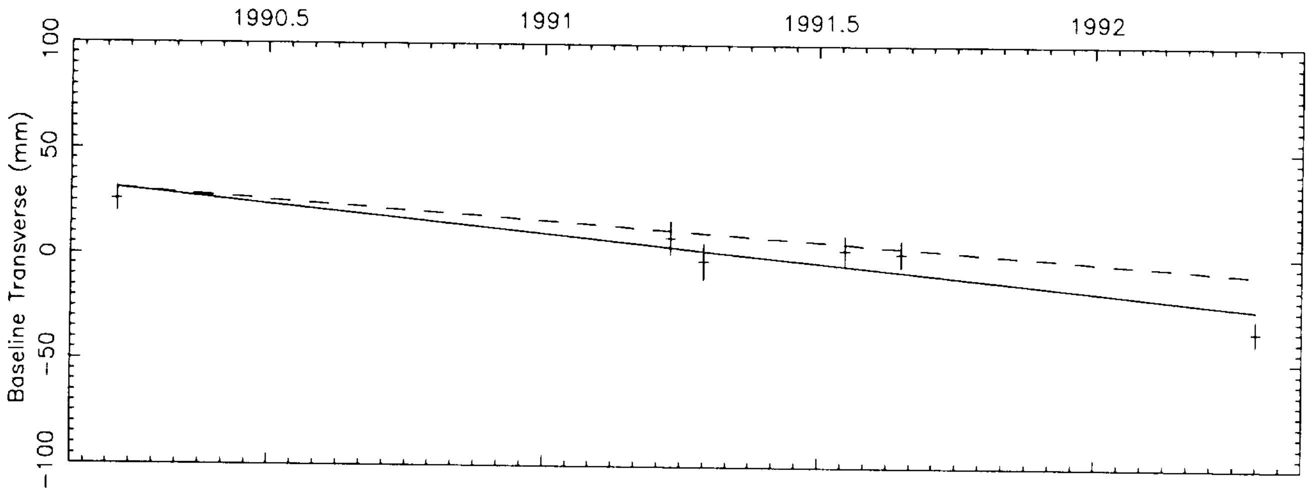
Observed Rate = −62.9 ± 7.2 mm/yr

NUVEL model rate = −58.4 mm/yr

Wrms of fit = 11.5 mm

Weighted mean length = 7436905021.5 mm

Reduced Chi square = 2.04

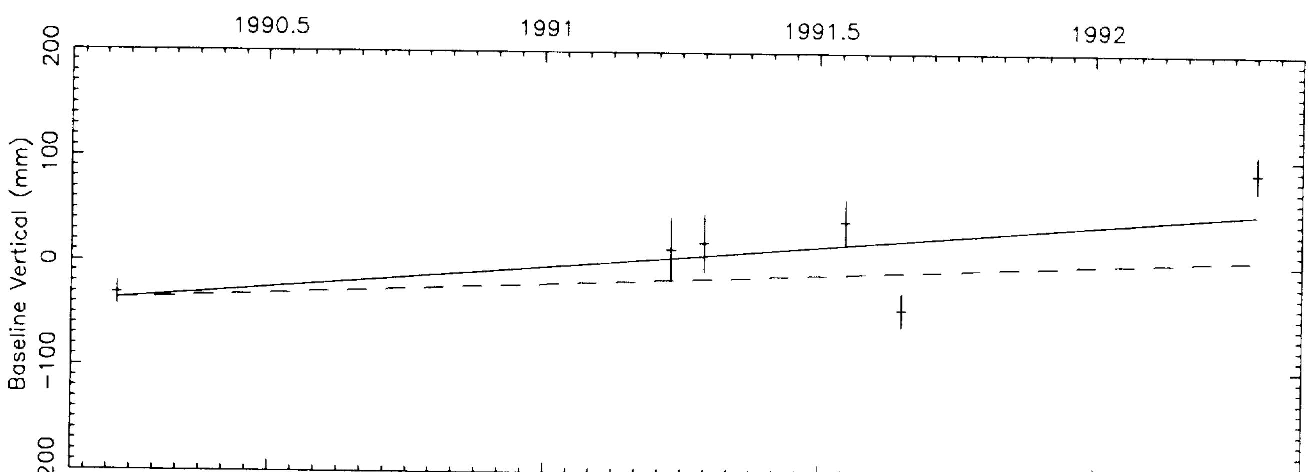


Observed Rate = −26.8 ± 5.5 mm/yr

NUVEL model rate = −18.8 mm/yr

Wrms of fit = 7.6 mm

Reduced Chi square = 1.81



Observed Rate = 41.4 ± 21.2 mm/yr

NUVEL model rate = 20.5 mm/yr

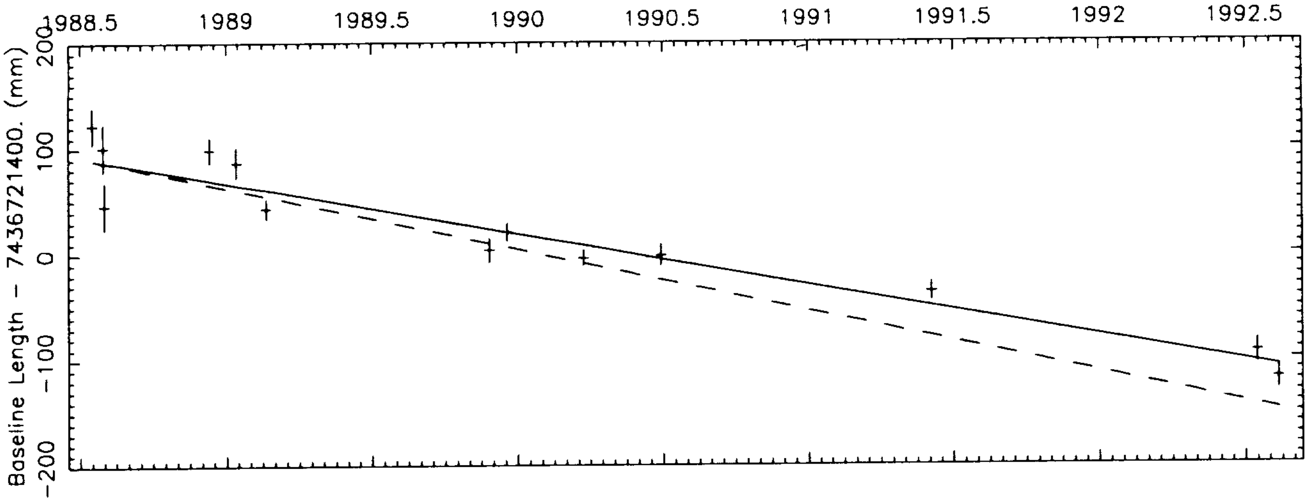
Wrms of fit = 33.7 mm

Reduced Chi square = 5.62

Vector baseline plots for DSS45 —KASHIMA

Baseline length = 7436 kilometers

Number of sessions = 13



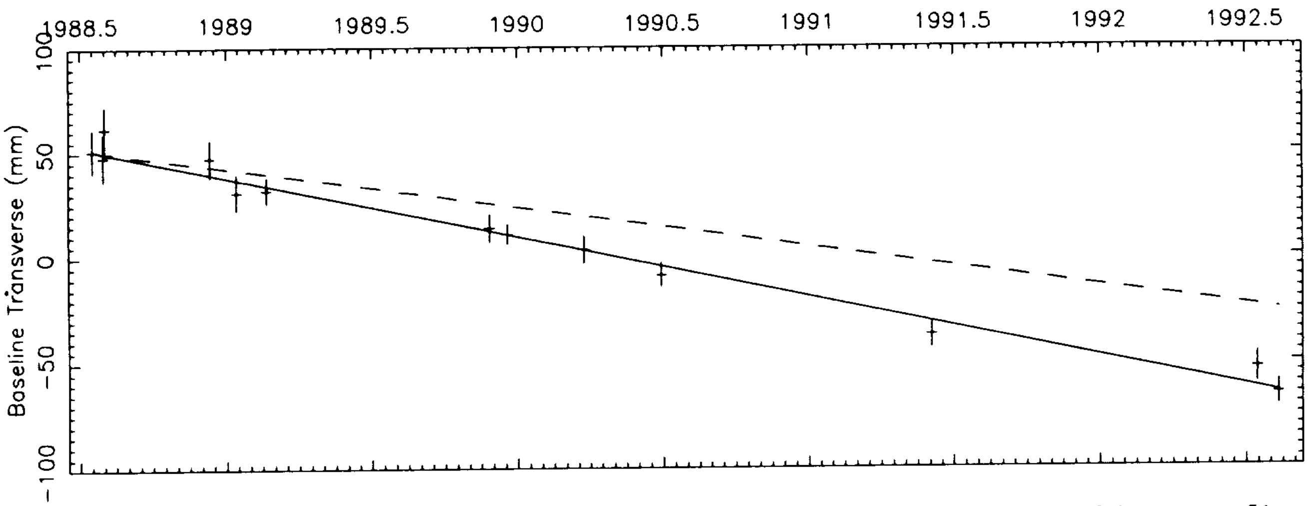
Observed Rate = -48.4 ± 4.0 mm/yr

NUVEL model rate = -58.4 mm/yr

Wrms of fit = 16.1 mm

Weighted mean length = 7436721402.8 mm

Reduced Chi square = 2.62

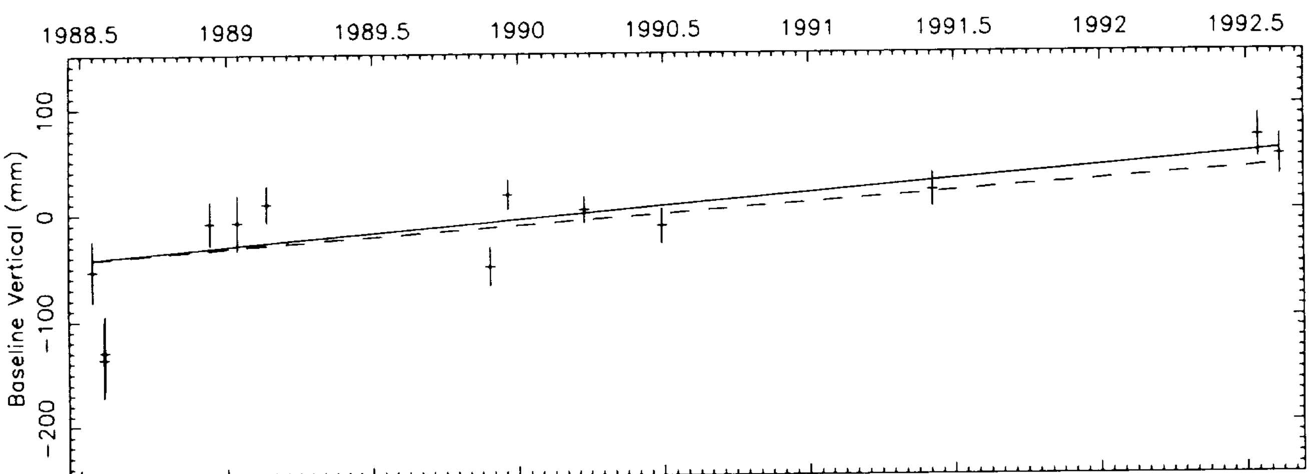


Observed Rate = -28.5 ± 1.1 mm/yr

NUVEL model rate = -18.8 mm/yr

Wrms of fit = 4.5 mm

Reduced Chi square = .51



Observed Rate = 24.2 ± 7.3 mm/yr

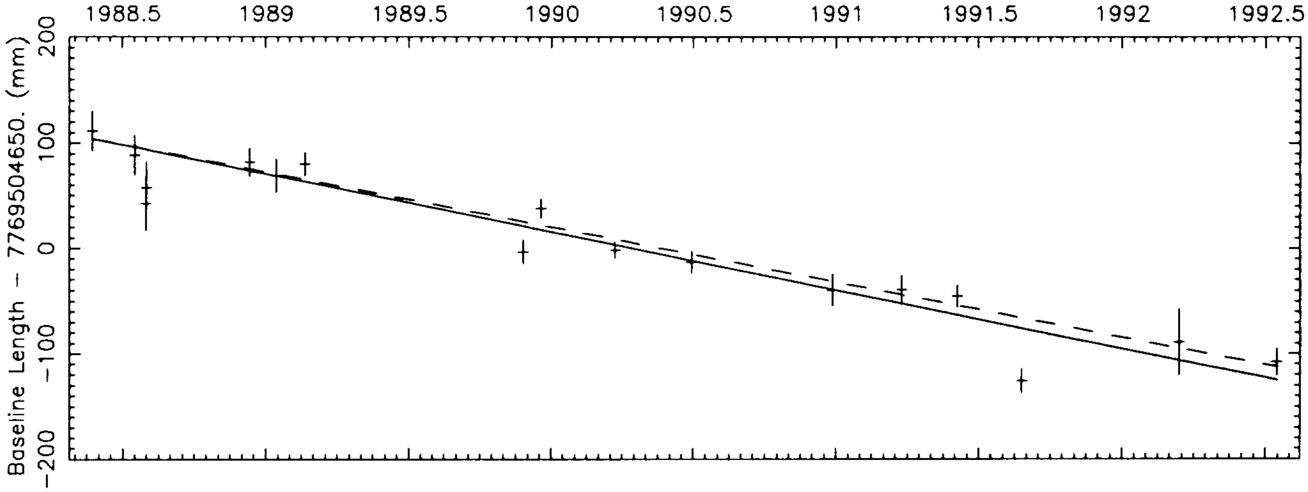
NUVEL model rate = 20.5 mm/yr

Wrms of fit = 28.6 mm

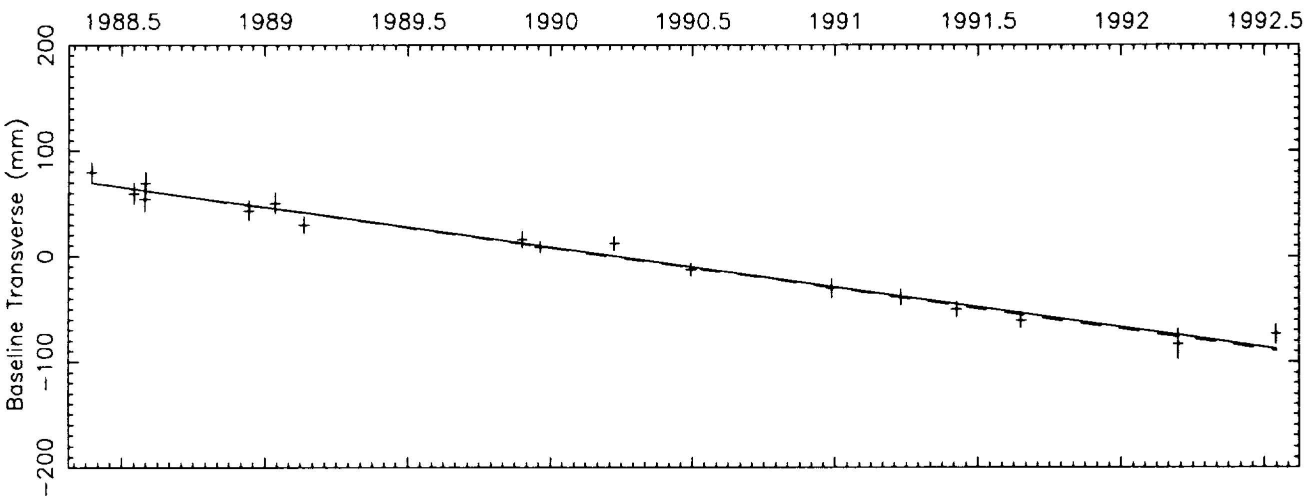
Reduced Chi square = 2.72

Vector baseline plots for DSS45 —KAUAI

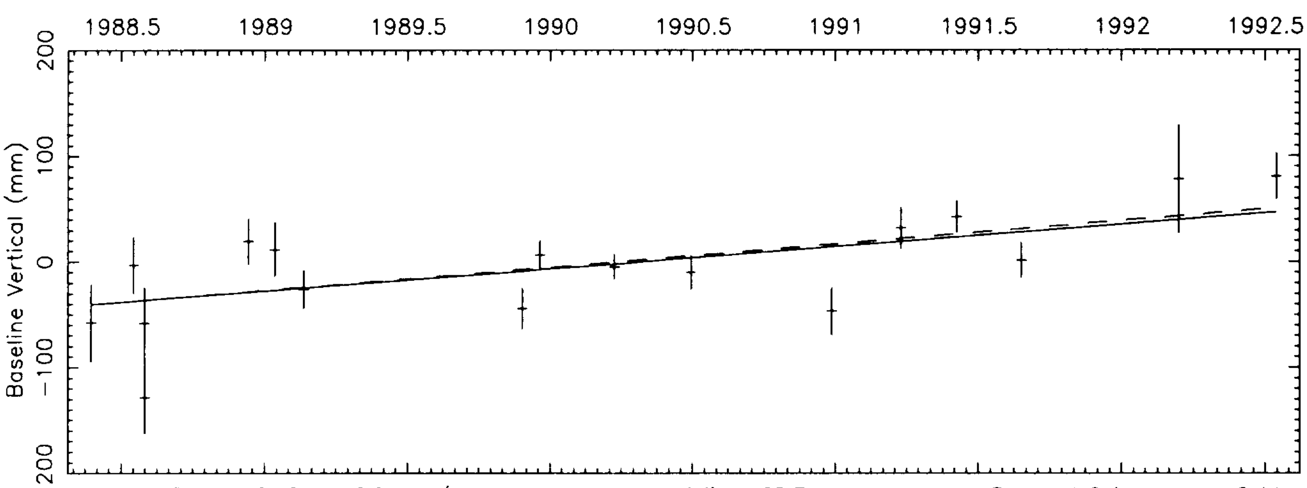
Baseline length = 7769 kilometers Number of sessions = 17



Observed Rate = −55.3 ± 4.8 mm/yr Wrms of fit = 20.3 mm Reduced Chi square = 2.95
NUVEL model rate = −52.3 mm/yr Weighted mean length = 7769504649.0 mm



Observed Rate = −37.8 ± 1.6 mm/yr Wrms of fit = 6.9 mm Reduced Chi square = .81
NUVEL model rate = −38.3 mm/yr

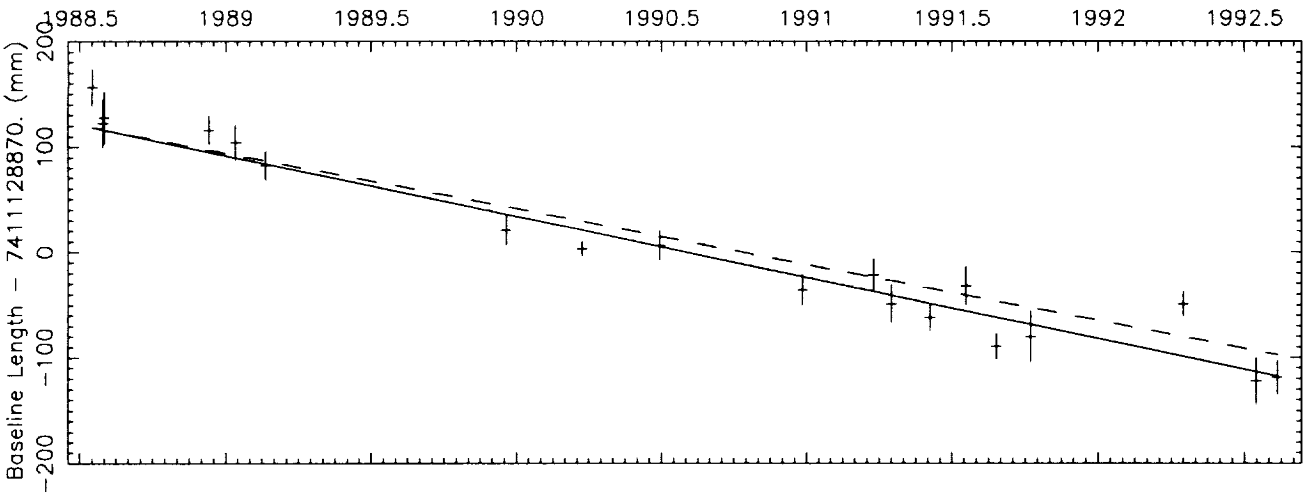


Observed Rate = 21.0 ± 6.9 mm/yr Wrms of fit = 28.7 mm Reduced Chi square = 2.44
NUVEL model rate = 22.0 mm/yr

Vector baseline plots for DSS45 –SESHAN25

Baseline length = 7411 kilometers

Number of sessions = 19



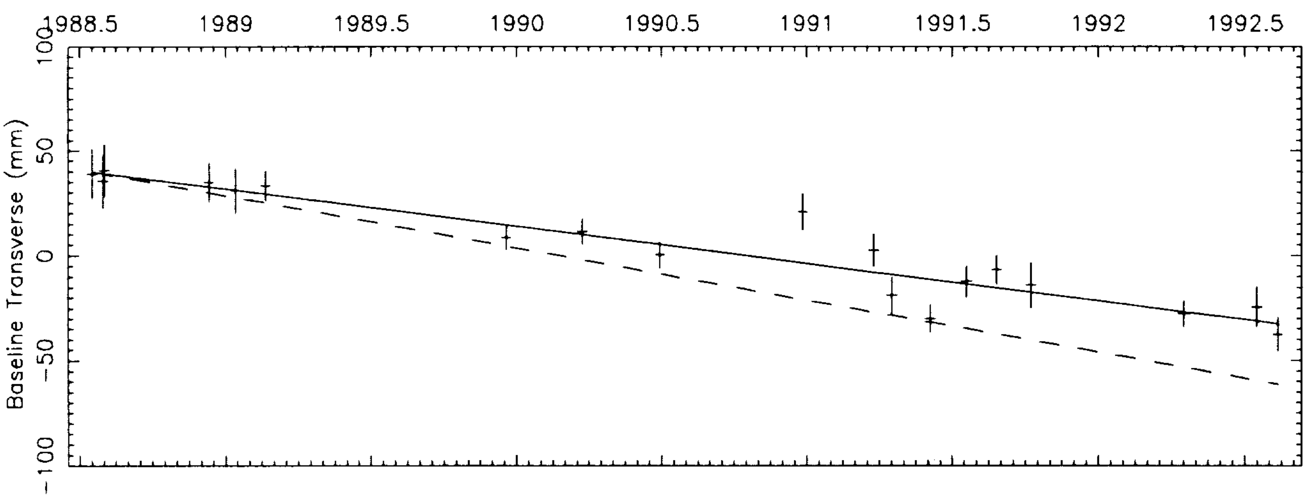
Observed Rate = –58.1 ± 4.5 mm/yr

NUVEL model rate = –53.0 mm/yr

Wrms of fit = 21.6 mm

Weighted mean length = 7411128868.6 mm

Reduced Chi square = 2.70

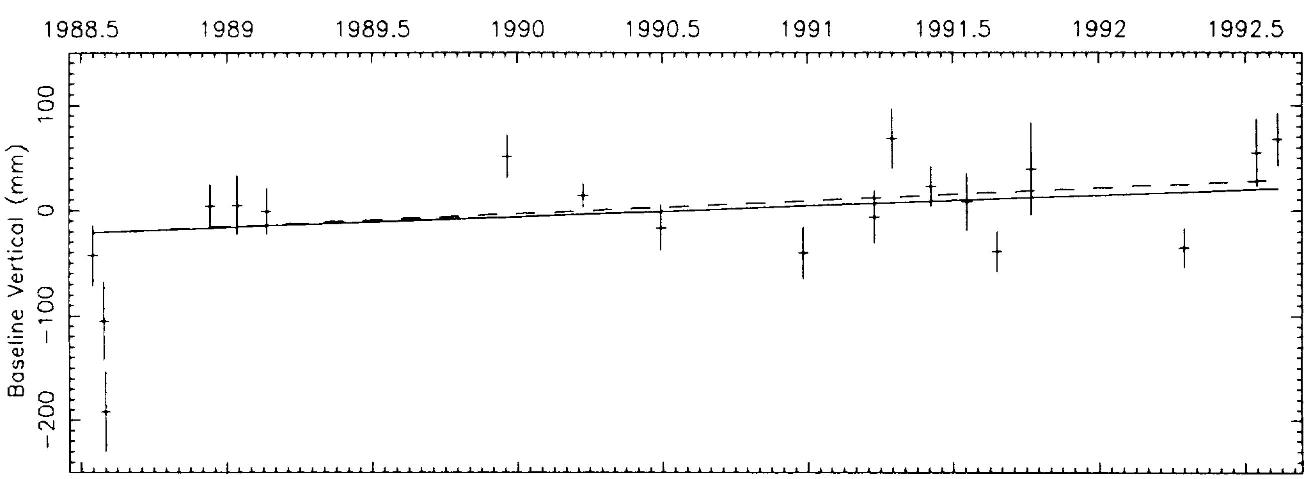


Observed Rate = –17.7 ± 1.8 mm/yr

NUVEL model rate = –24.8 mm/yr

Wrms of fit = 8.7 mm

Reduced Chi square = 1.37



Observed Rate = 10.2 ± 8.6 mm/yr

NUVEL model rate = 12.2 mm/yr

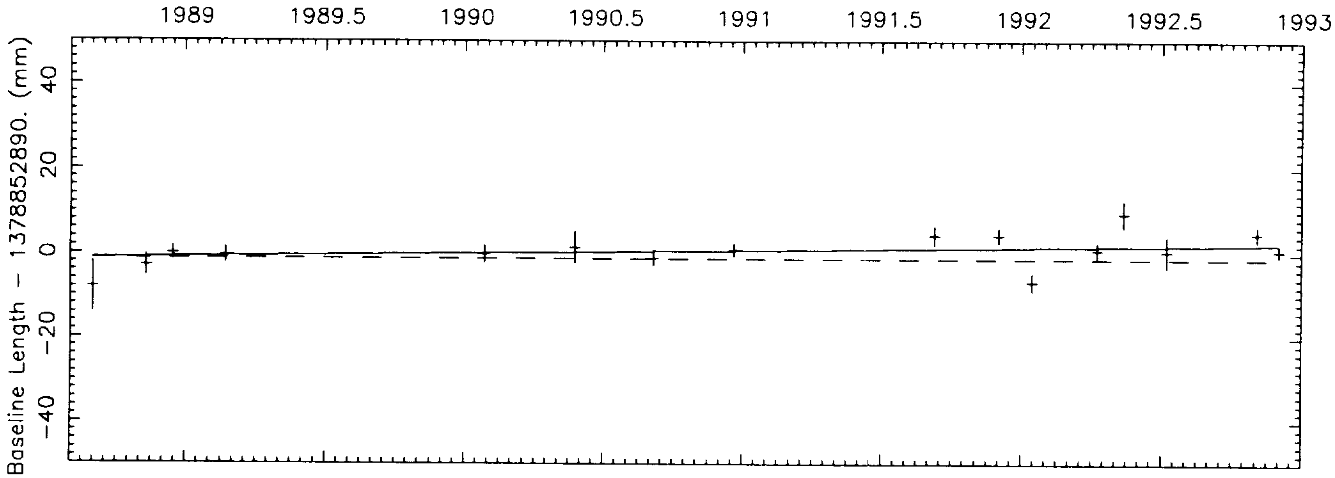
Wrms of fit = 42.3 mm

Reduced Chi square = 3.88

Vector baseline plots for DSS65 —MEDICINA

Baseline length = 1378 kilometers

Number of sessions = 16



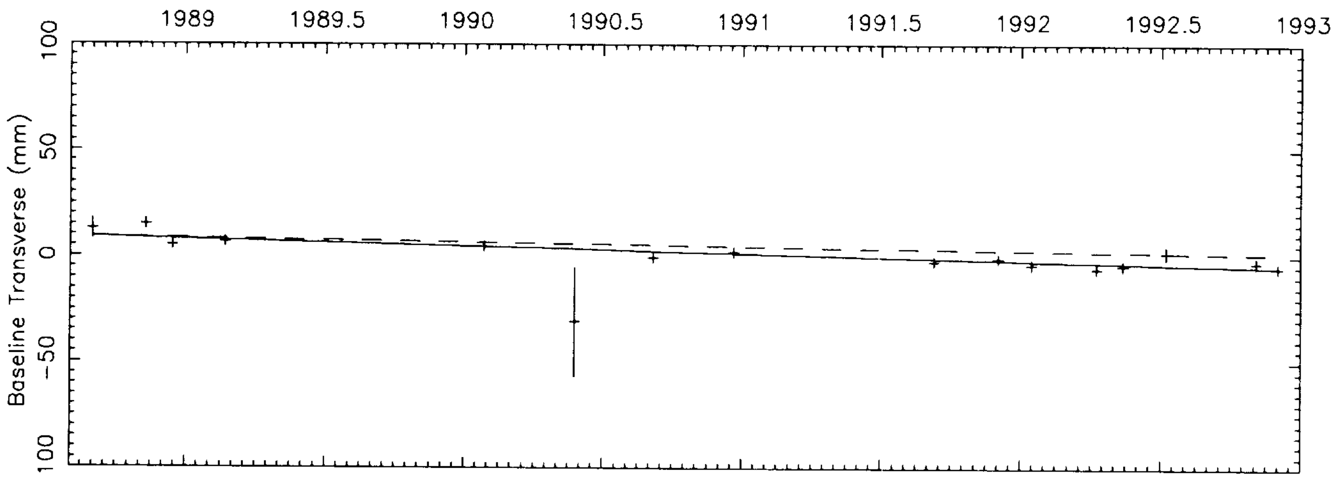
Observed Rate = .8 ± .5 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 2.8 mm

Weighted mean length = 1378852890.9 mm

Reduced Chi square = 2.41

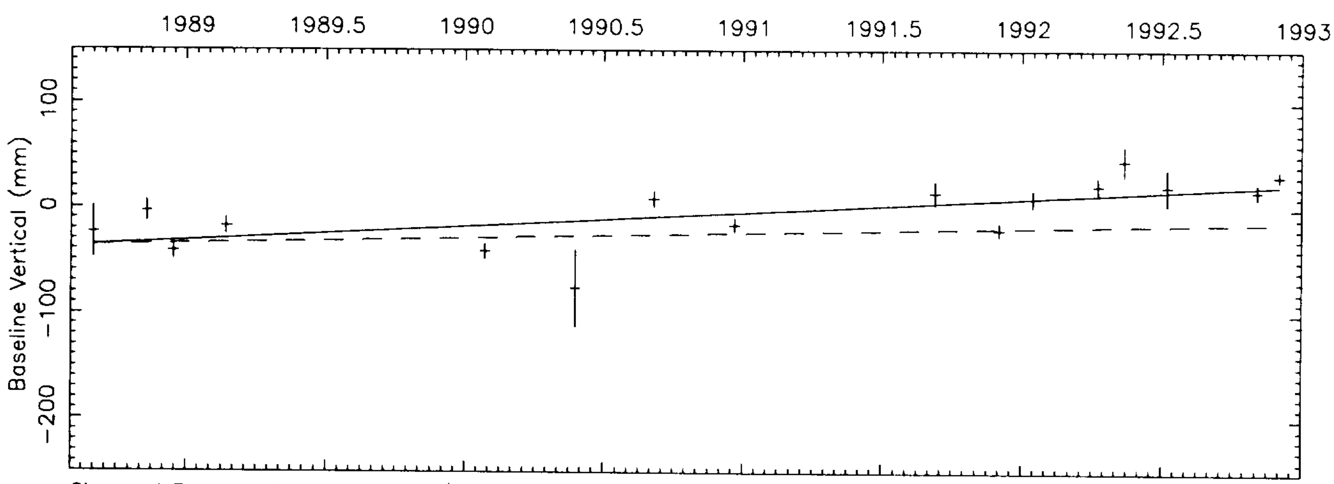


Observed Rate = −3.3 ± .5 mm/yr

NUVEL model rate = −1.9 mm/yr

Wrms of fit = 2.5 mm

Reduced Chi square = 1.64



Observed Rate = 13.6 ± 3.1 mm/yr

NUVEL model rate = 5.3 mm/yr

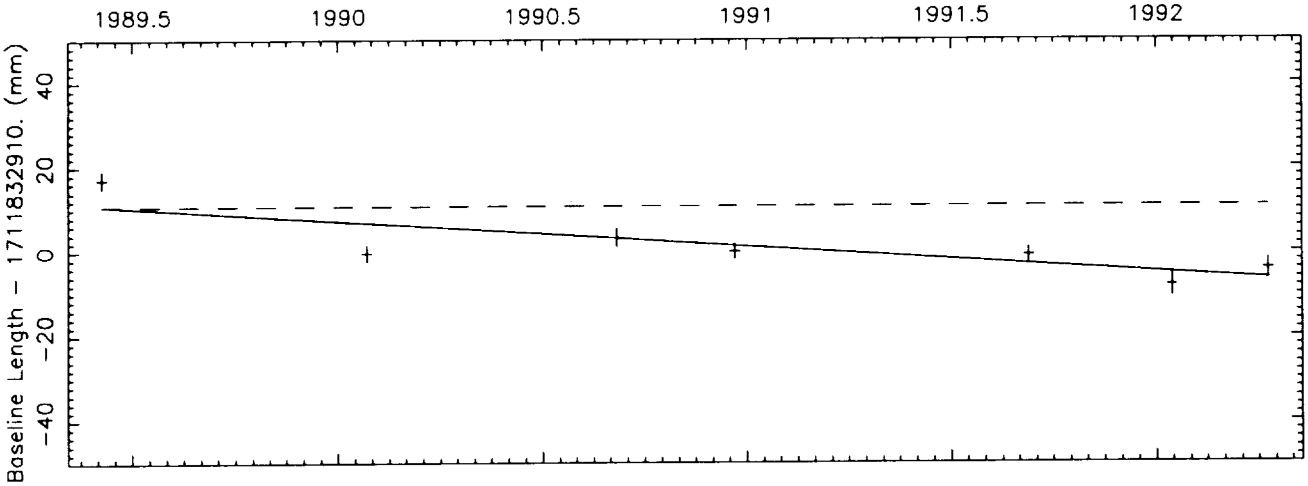
Wrms of fit = 16.6 mm

Reduced Chi square = 4.65

Vector baseline plots for DSS65 −NOTO

Baseline length = 1711 kilometers

Number of sessions = 7



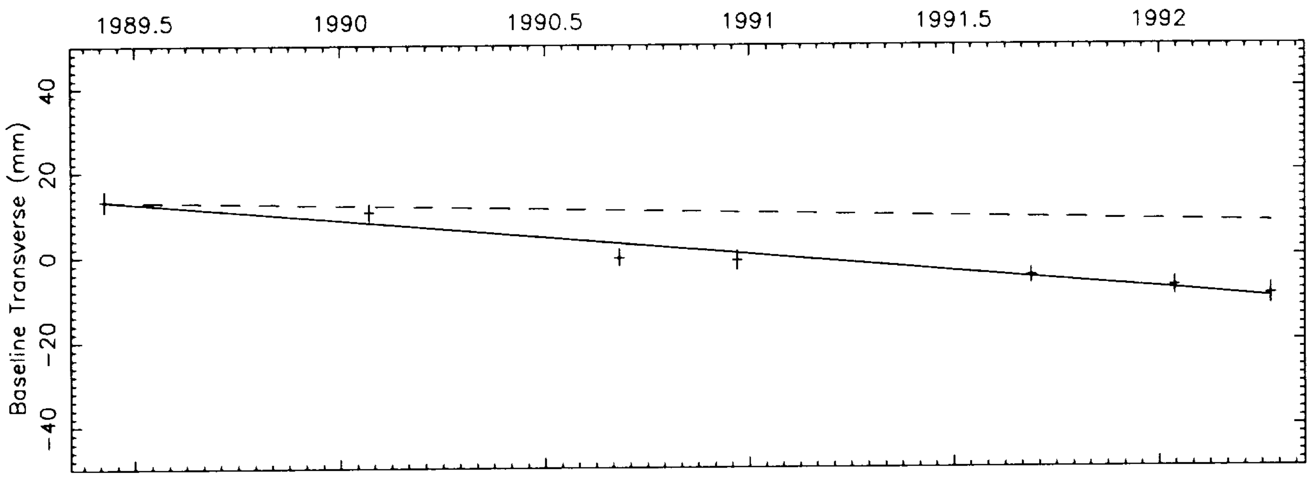
Observed Rate = −6.1 ± 1.9 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 4.0 mm

Weighted mean length = 1711832911.4 mm

Reduced Chi square = 5.10

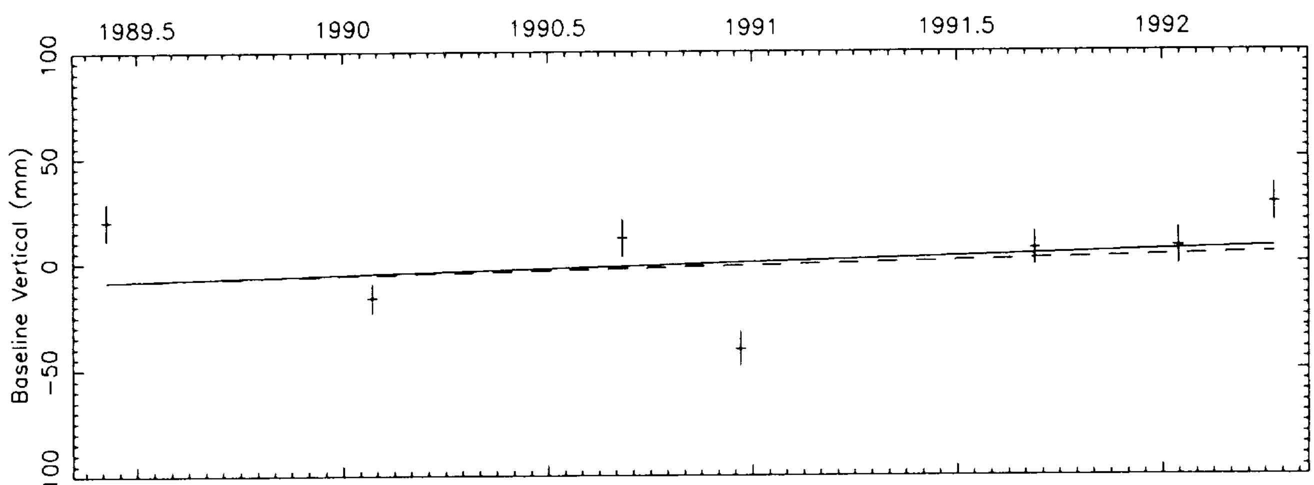


Observed Rate = −8.1 ± .9 mm/yr

NUVEL model rate = −1.8 mm/yr

Wrms of fit = 1.9 mm

Reduced Chi square = 1.00



Observed Rate = 5.6 ± 10.0 mm/yr

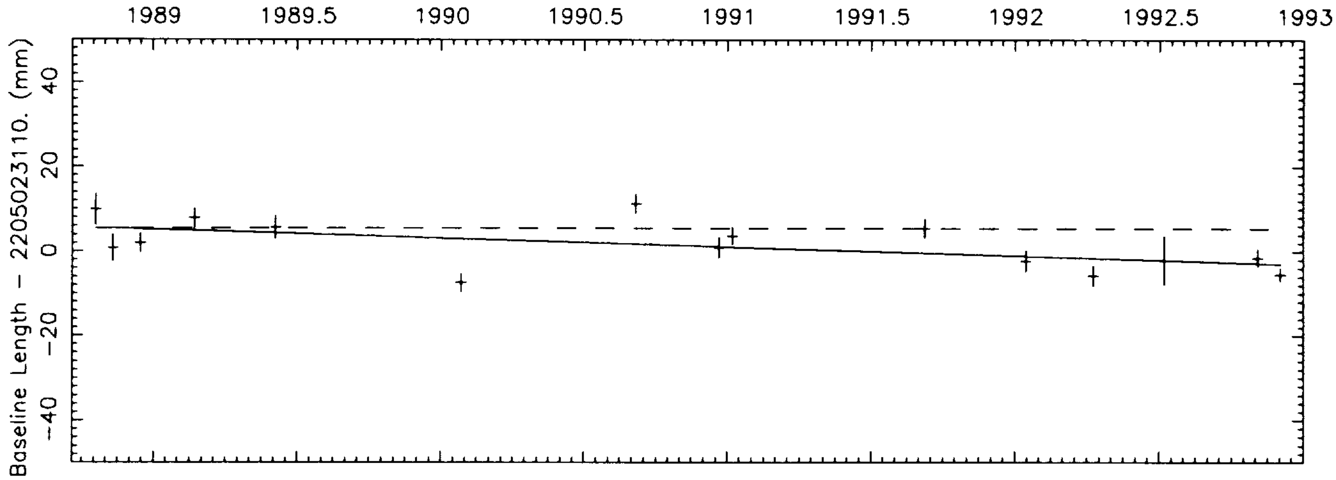
NUVEL model rate = 4.6 mm/yr

Wrms of fit = 21.2 mm

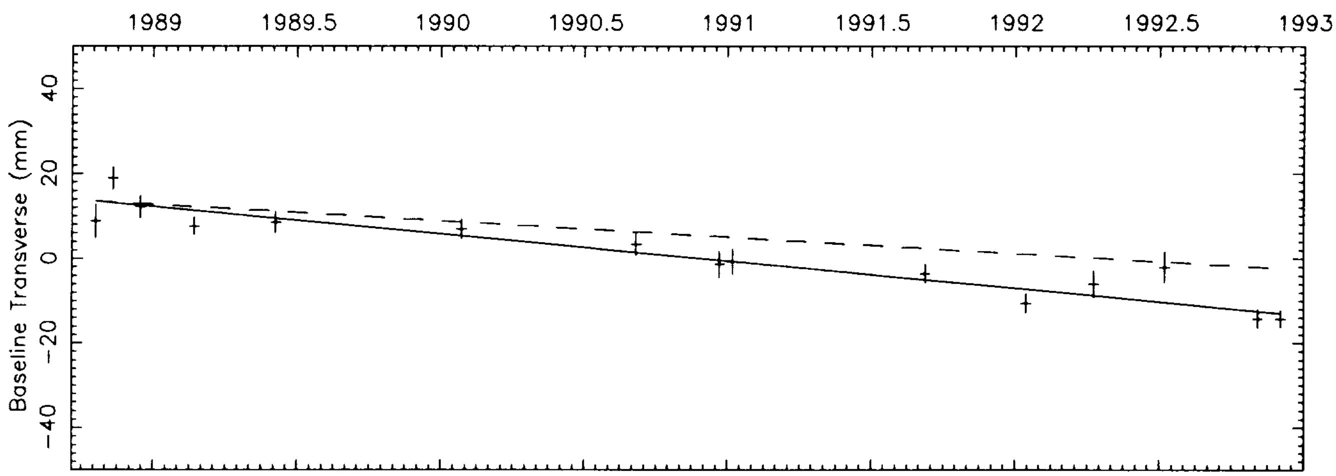
Reduced Chi square = 8.98

Vector baseline plots for DSS65 —ONSALA60

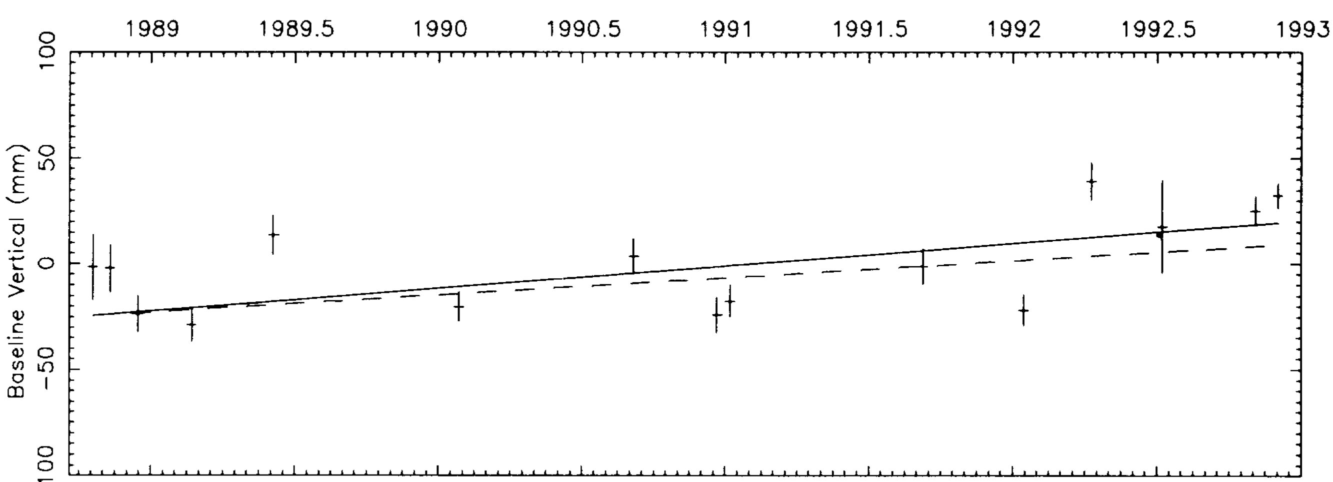
Baseline length = 2205 kilometers   Number of sessions = 15



Observed Rate = −2.1 ± .9 mm/yr   Wrms of fit = 4.8 mm   Reduced Chi square = 4.73
NUVEL model rate = .0 mm/yr   Weighted mean length = 2205023110.8 mm



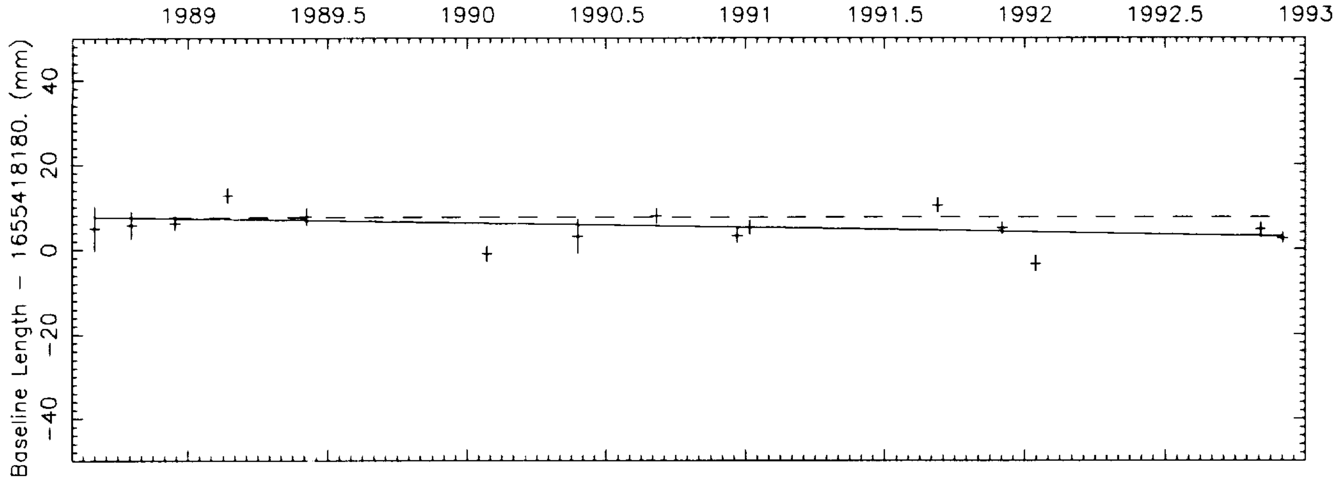
Observed Rate = −6.4 ± .5 mm/yr   Wrms of fit = 2.9 mm   Reduced Chi square = 1.52
NUVEL model rate = −3.8 mm/yr



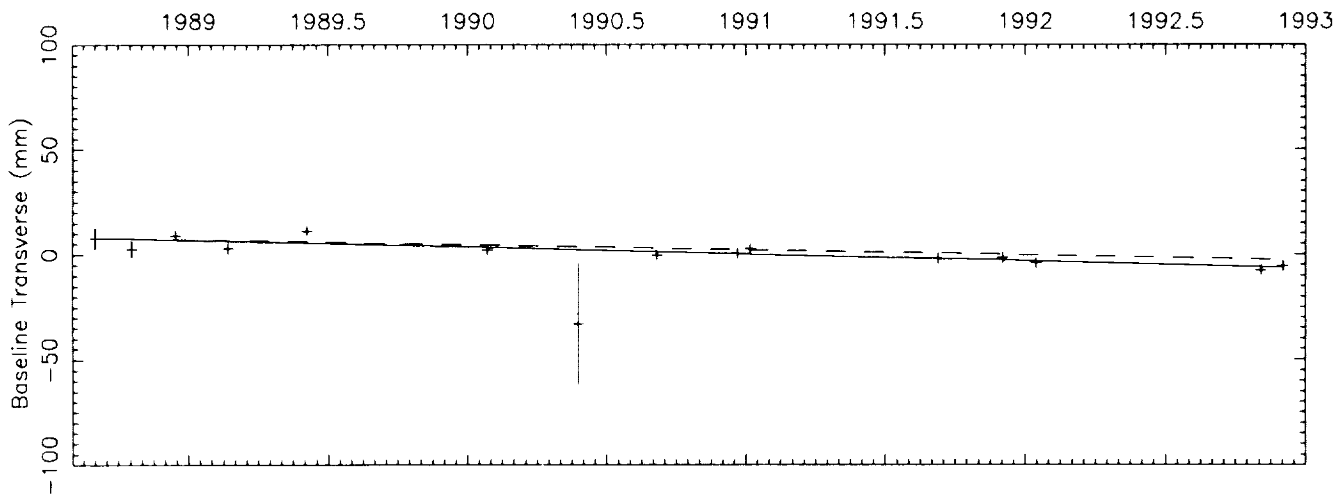
Observed Rate = 10.6 ± 3.4 mm/yr   Wrms of fit = 17.7 mm   Reduced Chi square = 5.16
NUVEL model rate = 8.1 mm/yr

Vector baseline plots for DSS65 —WETTZELL

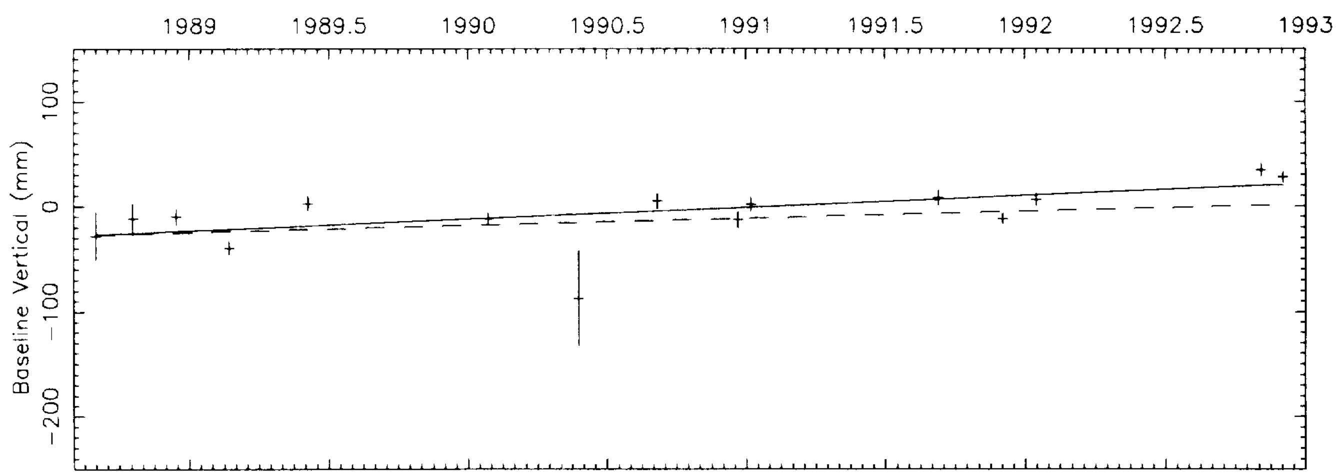
Baseline length = 1655 kilometers   Number of sessions = 15



Observed Rate = −1.1 ± .7 mm/yr   Wrms of fit = 3.6 mm   Reduced Chi square = 4.40
NUVEL model rate = .0 mm/yr   Weighted mean length = 1655418185.0 mm



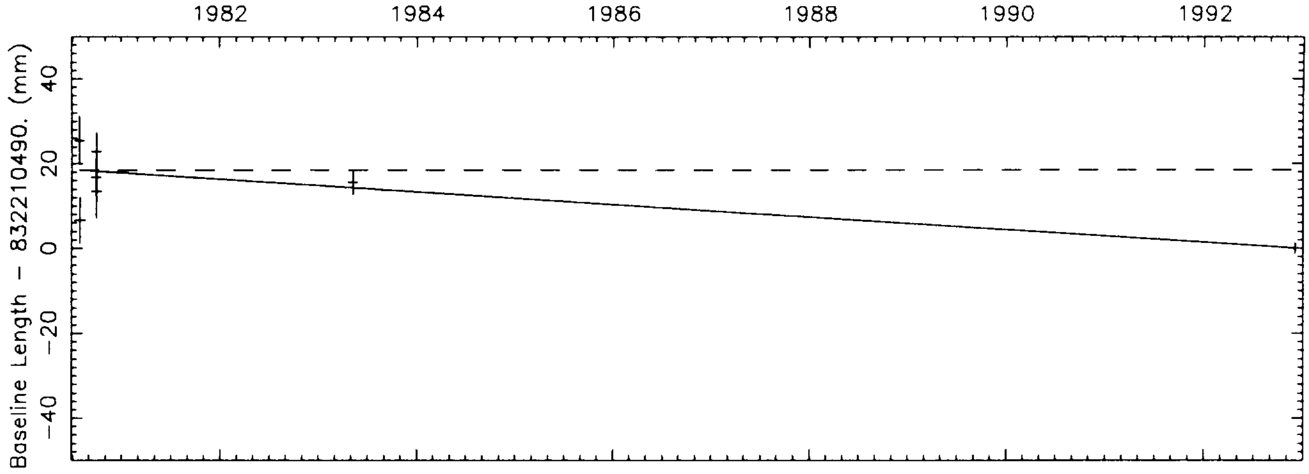
Observed Rate = −3.3 ± .5 mm/yr   Wrms of fit = 2.4 mm   Reduced Chi square = 1.43
NUVEL model rate = −2.5 mm/yr



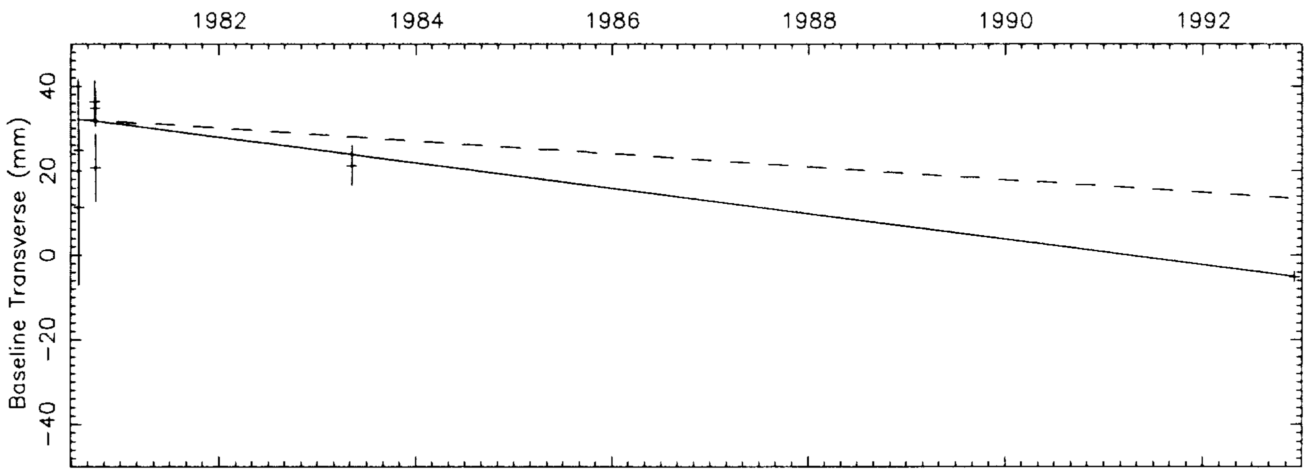
Observed Rate = 11.1 ± 2.7 mm/yr   Wrms of fit = 13.3 mm   Reduced Chi square = 4.18
NUVEL model rate = 6.6 mm/yr

Vector baseline plots for EFLSBERG–ONSALA60

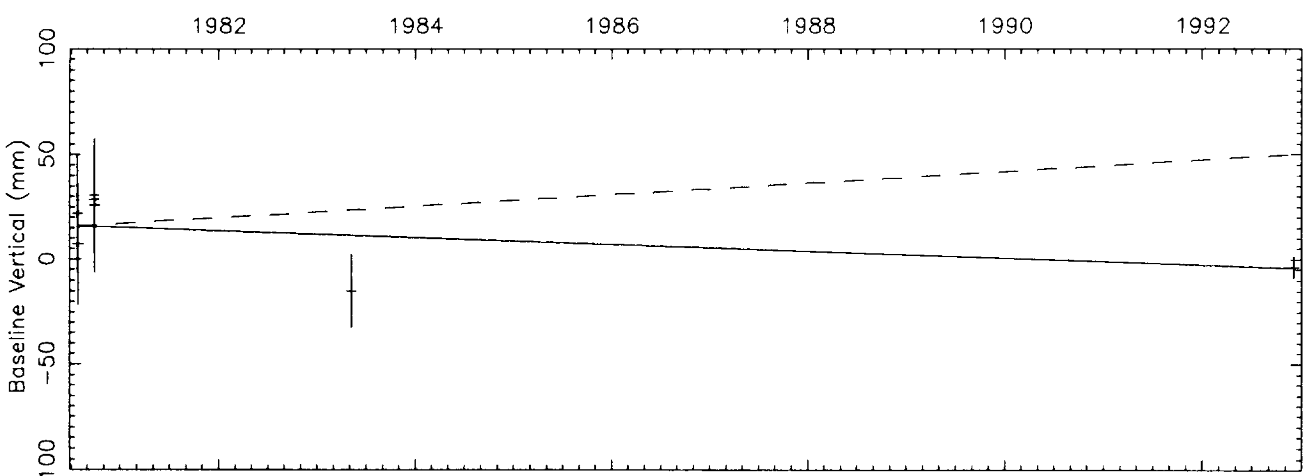
Baseline length = 832 kilometers Number of sessions = 7



Observed Rate = –1.5 ± .2 mm/yr Wrms of fit = 2.6 mm Reduced Chi square = 1.63
NUVEL model rate = .0 mm/yr Weighted mean length = 832210494.4 mm



Observed Rate = –3.0 ± .2 mm/yr Wrms of fit = 2.2 mm Reduced Chi square = .99
NUVEL model rate = –1.5 mm/yr

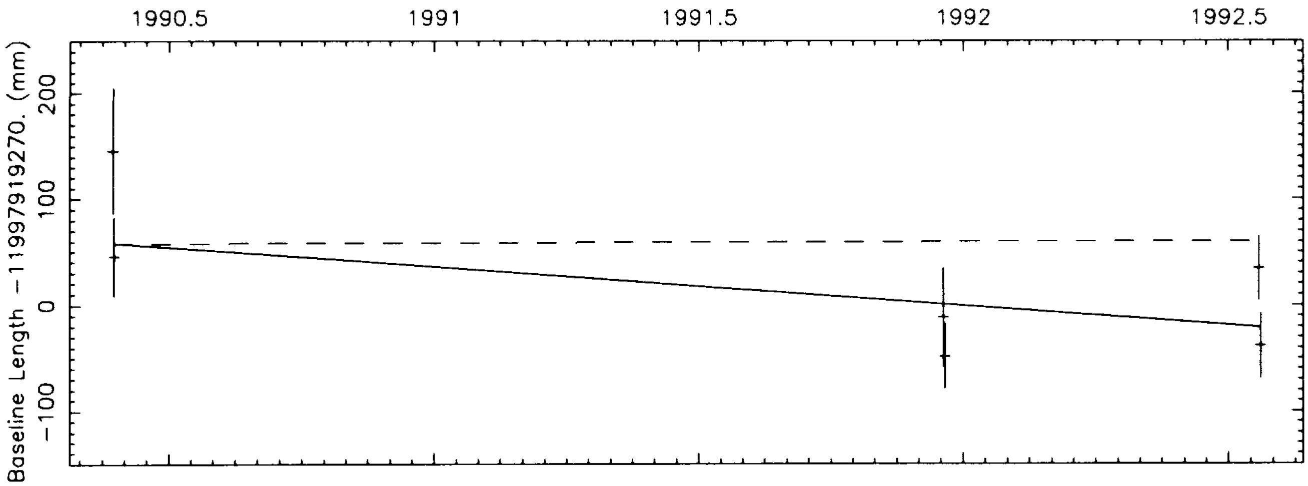


Observed Rate = –1.6 ± .8 mm/yr Wrms of fit = 8.4 mm Reduced Chi square = .68
NUVEL model rate = 2.8 mm/yr

Vector baseline plots for GILCREEK–HARTRAO

Baseline length = 11997 kilometers

Number of sessions = 6



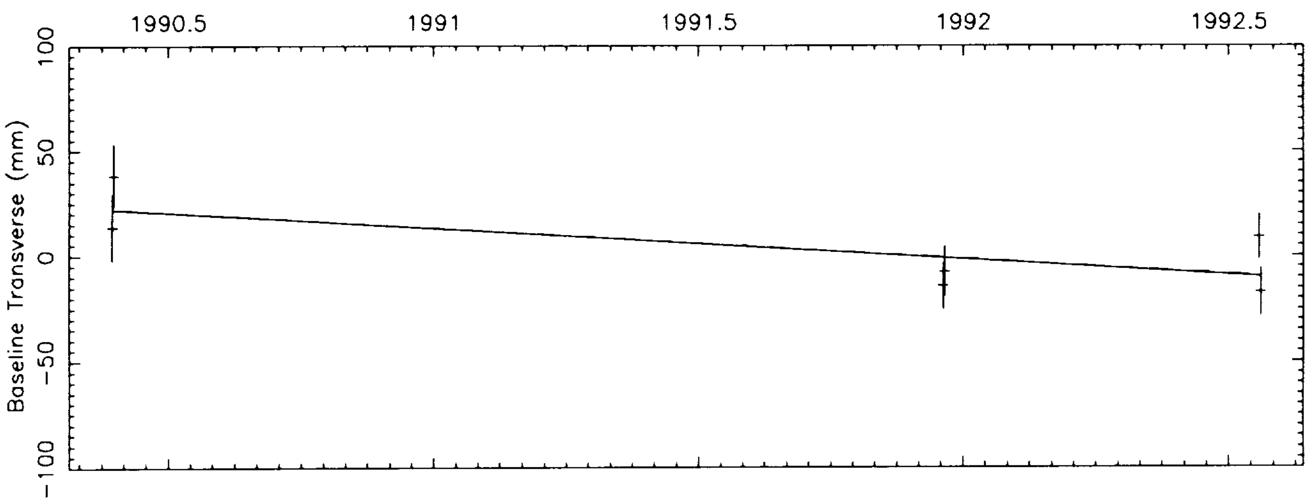
Observed Rate = −36.8 ± 25.8 mm/yr

NUVEL model rate = .8 mm/yr

Wrms of fit = 42.8 mm

Weighted mean length = 11997919272.8 mm

Reduced Chi square = 2.15

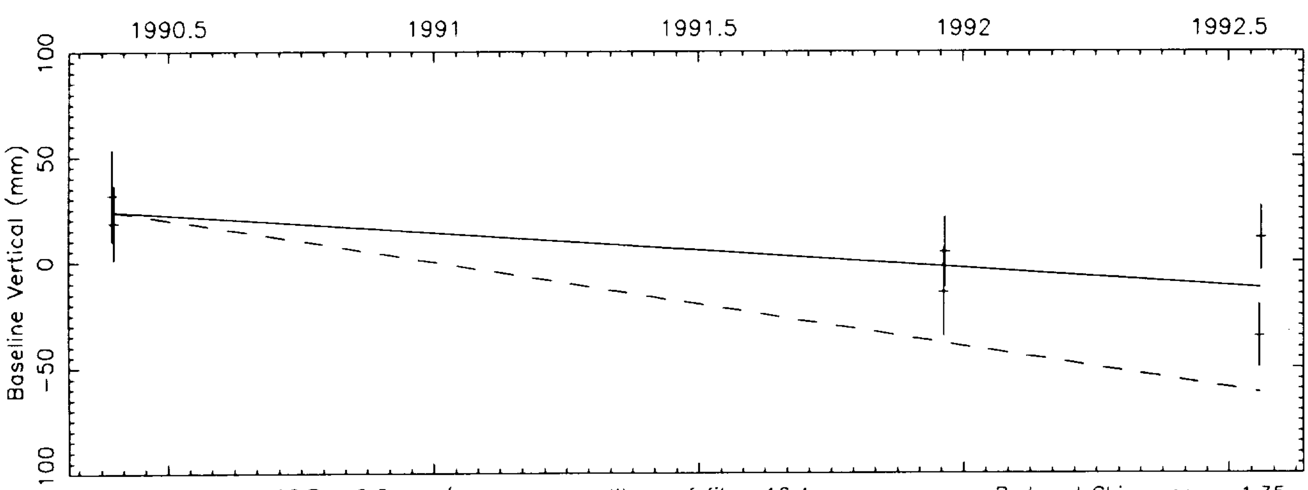


Observed Rate = −14.7 ± 7.9 mm/yr

NUVEL model rate = −14.6 mm/yr

Wrms of fit = 12.8 mm

Reduced Chi square = 1.70



Observed Rate = −16.7 ± 9.3 mm/yr

NUVEL model rate = −39.6 mm/yr

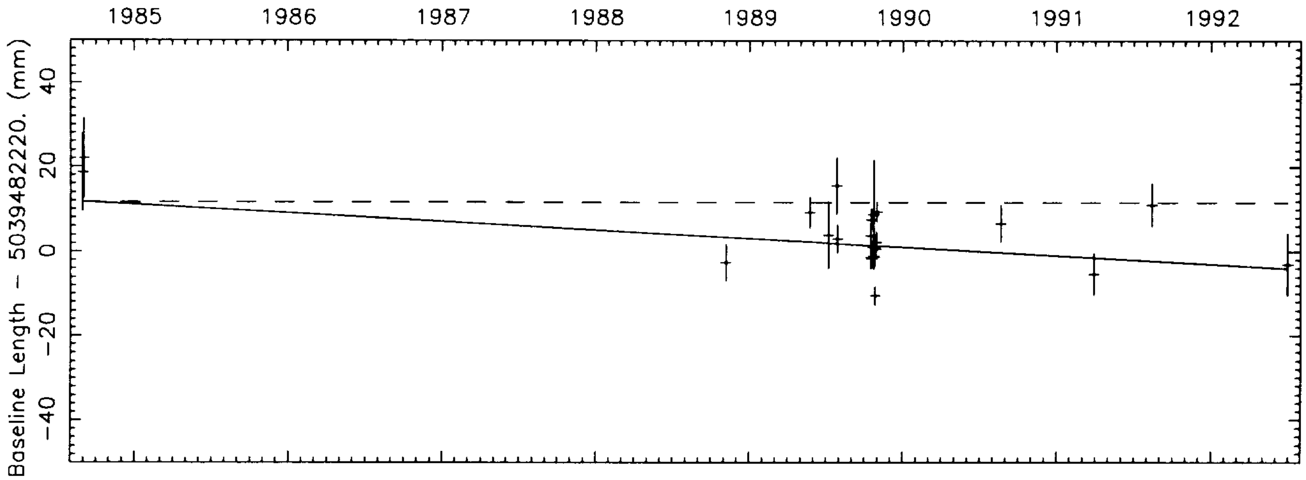
Wrms of fit = 16.4 mm

Reduced Chi square = 1.35

Vector baseline plots for GILCREEK–HAYSTACK

Baseline length = 5039 kilometers

Number of sessions = 24



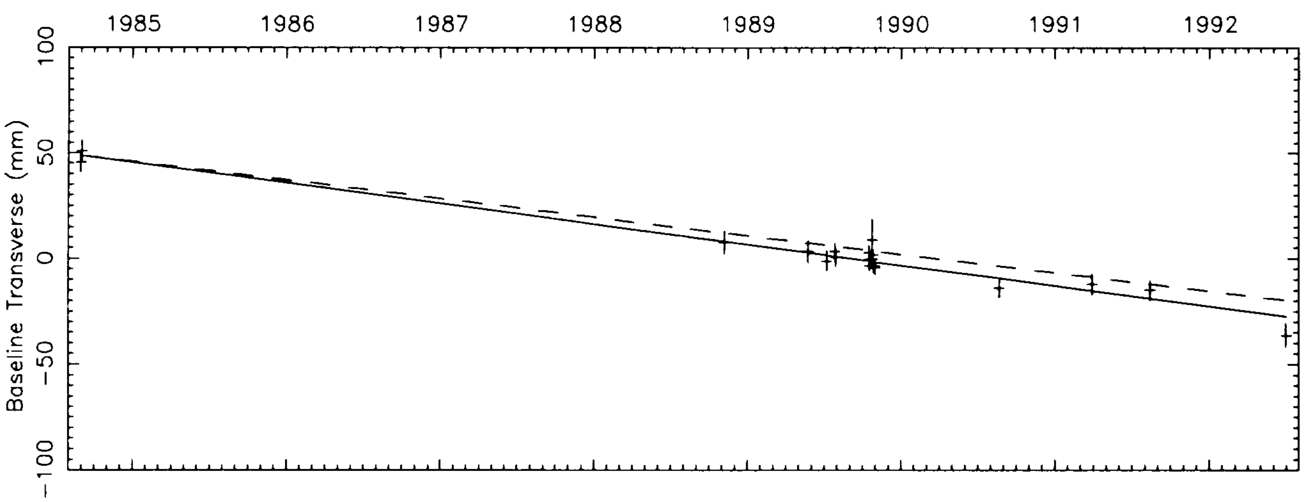
Observed Rate = –2.0 ± 1.8 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 5.4 mm

Weighted mean length = 5039482221.4 mm

Reduced Chi square = 3.37

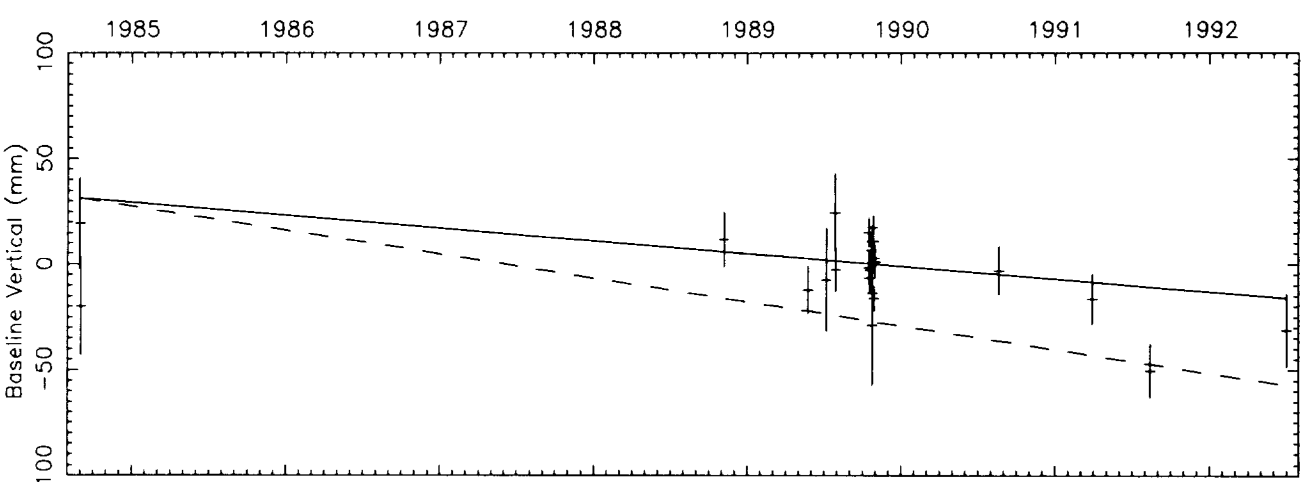


Observed Rate = –9.7 ± .5 mm/yr

NUVEL model rate = –8.8 mm/yr

Wrms of fit = 2.8 mm

Reduced Chi square = .68



Observed Rate = –6.0 ± 3.7 mm/yr

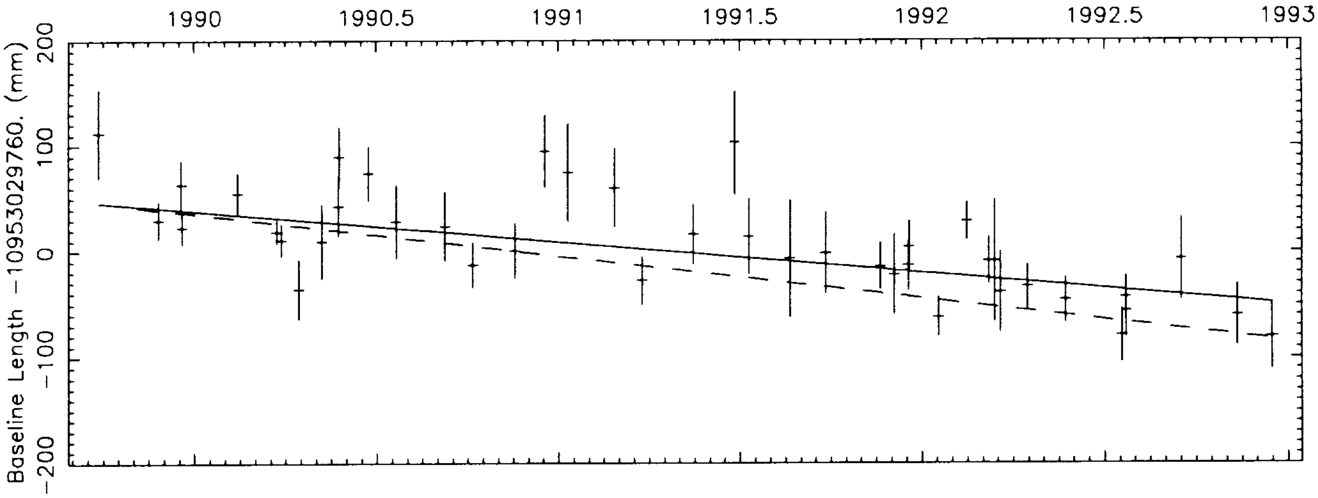
NUVEL model rate = –11.3 mm/yr

Wrms of fit = 12.7 mm

Reduced Chi square = 2.40

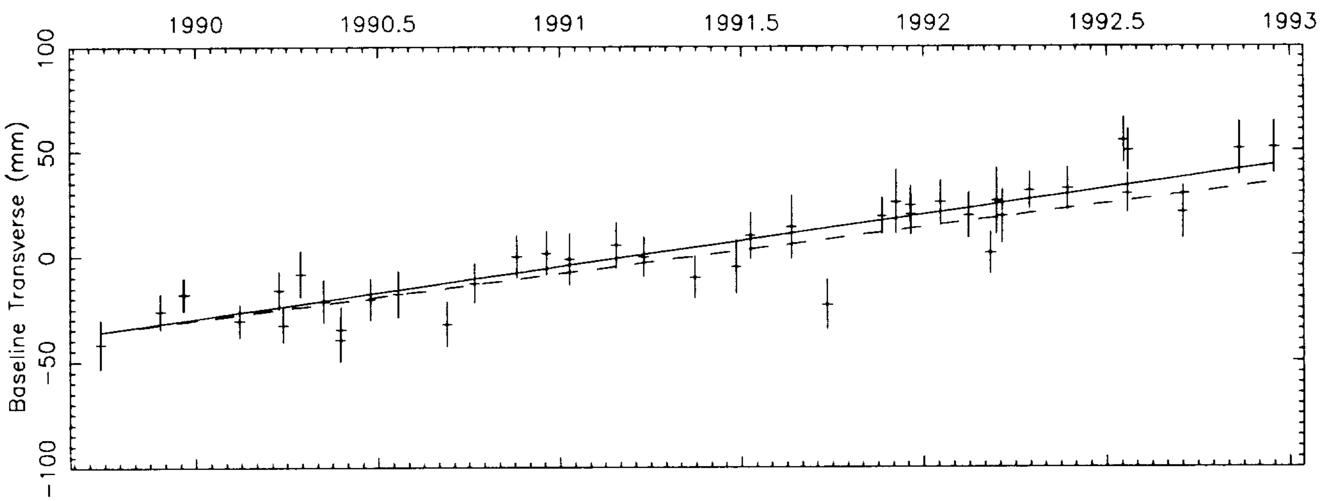
Vector baseline plots for GILCREEK–HOBART26

Baseline length = 10953 kilometers　　　　Number of sessions = 42



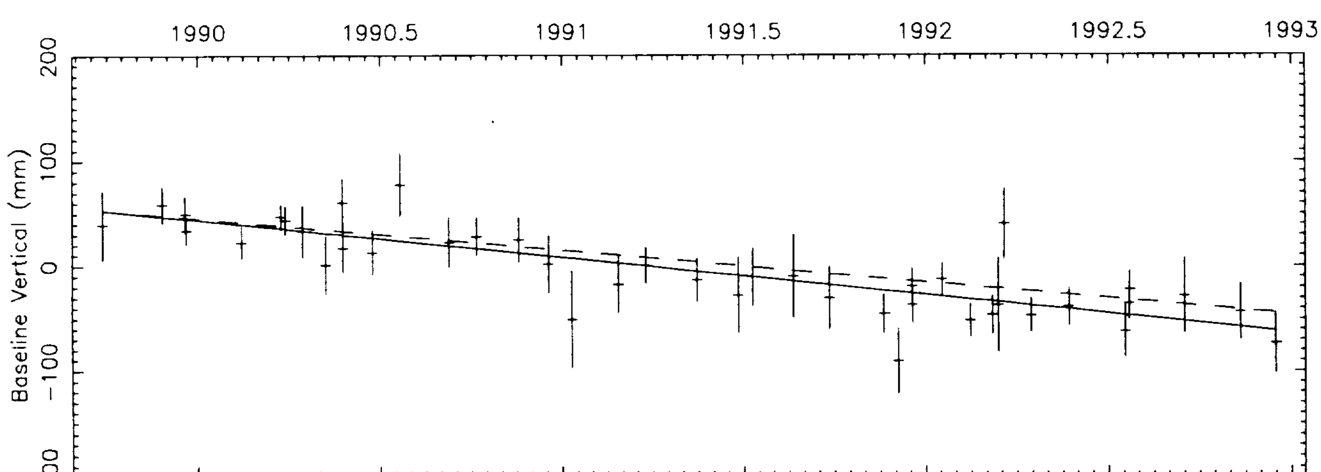
Observed Rate = −29.5 ± 4.8 mm/yr　　　　Wrms of fit = 30.1 mm　　　　Reduced Chi square = 1.66

NUVEL model rate = −40.2 mm/yr　　　　Weighted mean length = 10953029764.5 mm



Observed Rate = 24.6 ± 1.8 mm/yr　　　　Wrms of fit = 11.1 mm　　　　Reduced Chi square = 1.22

NUVEL model rate = 22.0 mm/yr



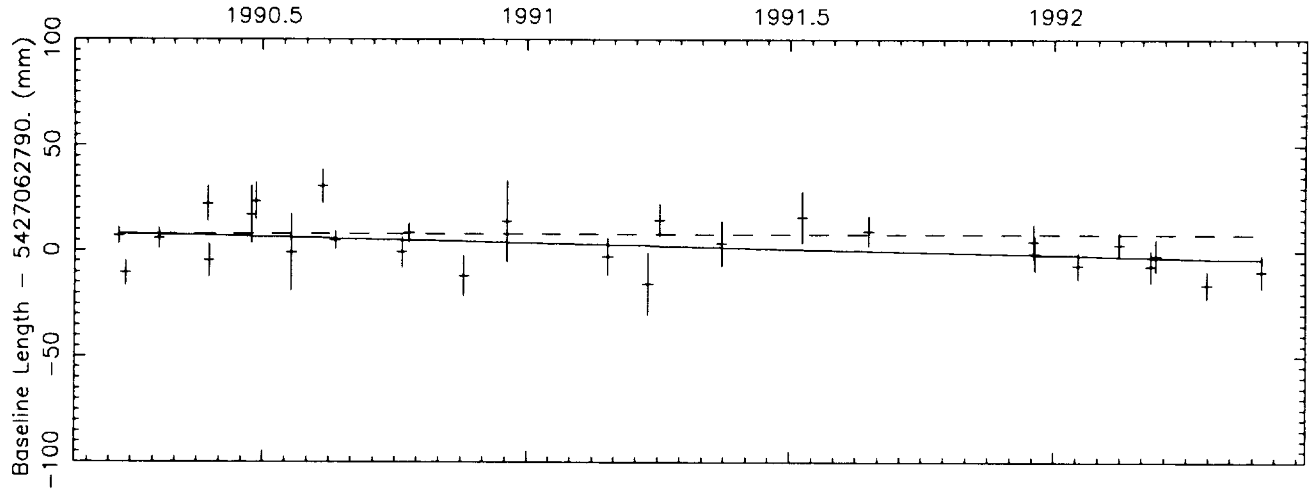
Observed Rate = −35.5 ± 2.9 mm/yr　　　　Wrms of fit = 18.0 mm　　　　Reduced Chi square = .84

NUVEL model rate = −30.2 mm/yr

Vector baseline plots for GILCREEK–KASHIM34

Baseline length = 5427 kilometers

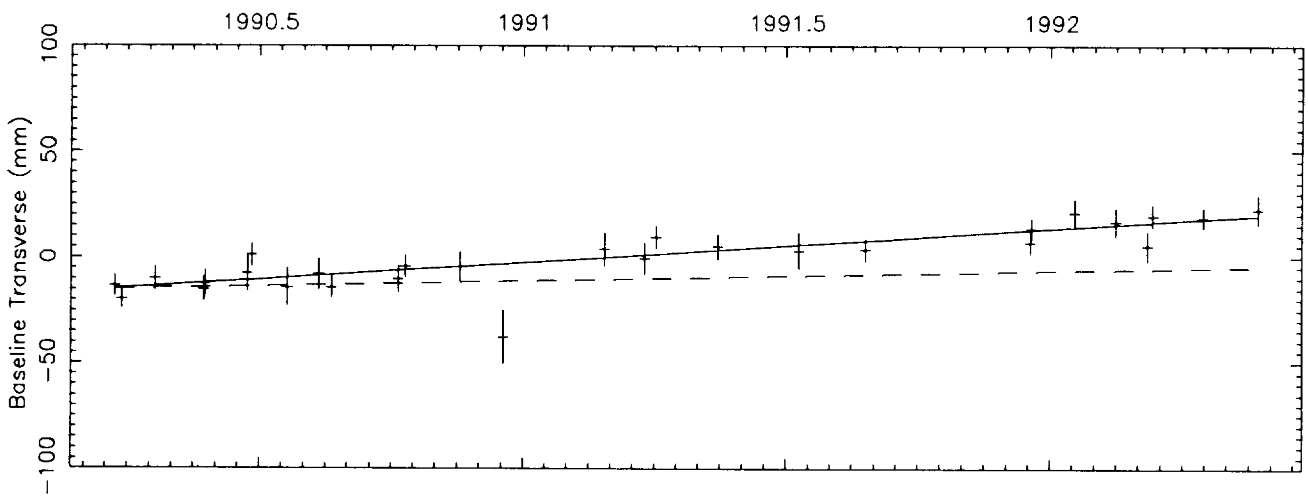
Number of sessions = 28



Observed Rate = −5.5 ± 2.4 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 9.2 mm
Weighted mean length = 5427062793.1 mm

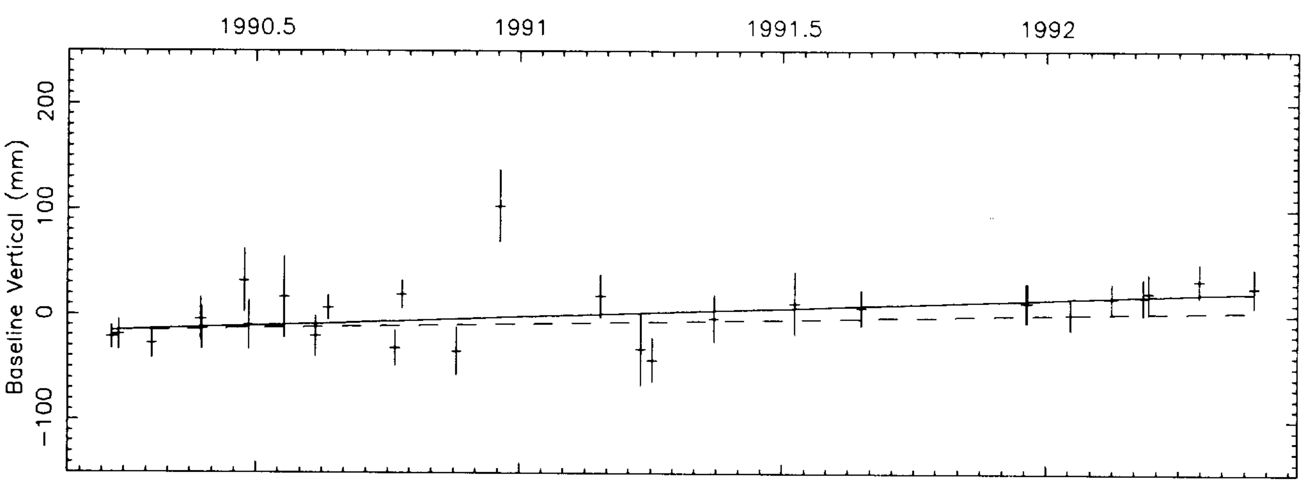
Reduced Chi square = 1.85



Observed Rate = 15.8 ± 1.5 mm/yr
NUVEL model rate = 4.7 mm/yr

Wrms of fit = 5.7 mm

Reduced Chi square = 1.00



Observed Rate = 16.9 ± 4.8 mm/yr
NUVEL model rate = 8.7 mm/yr

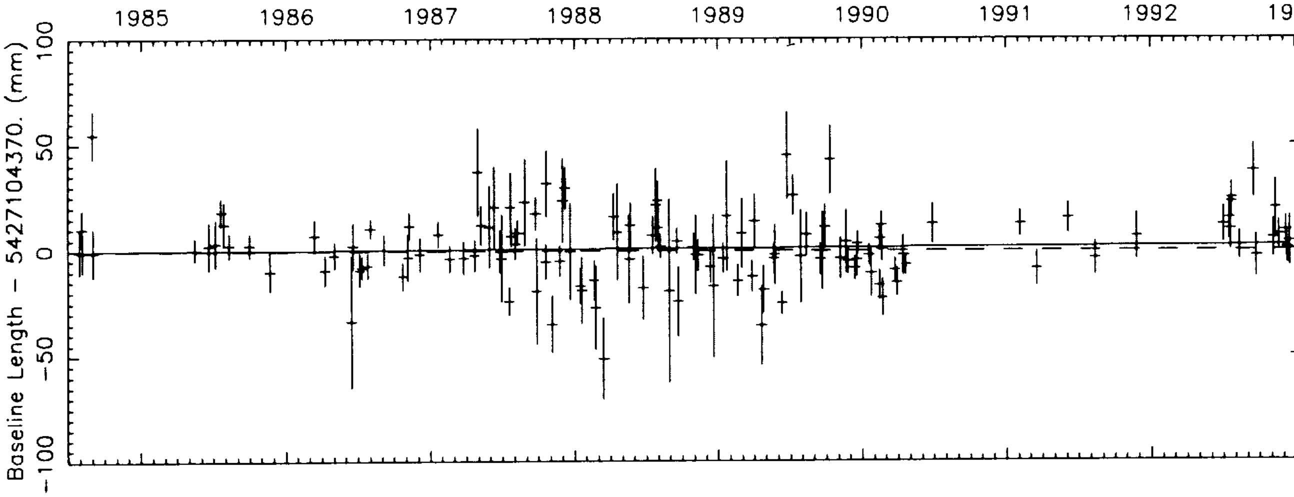
Wrms of fit = 18.9 mm

Reduced Chi square = 1.21

Vector baseline plots for GILCREEK–KASHIMA

Baseline length = 5427 kilometers

Number of sessions = 131



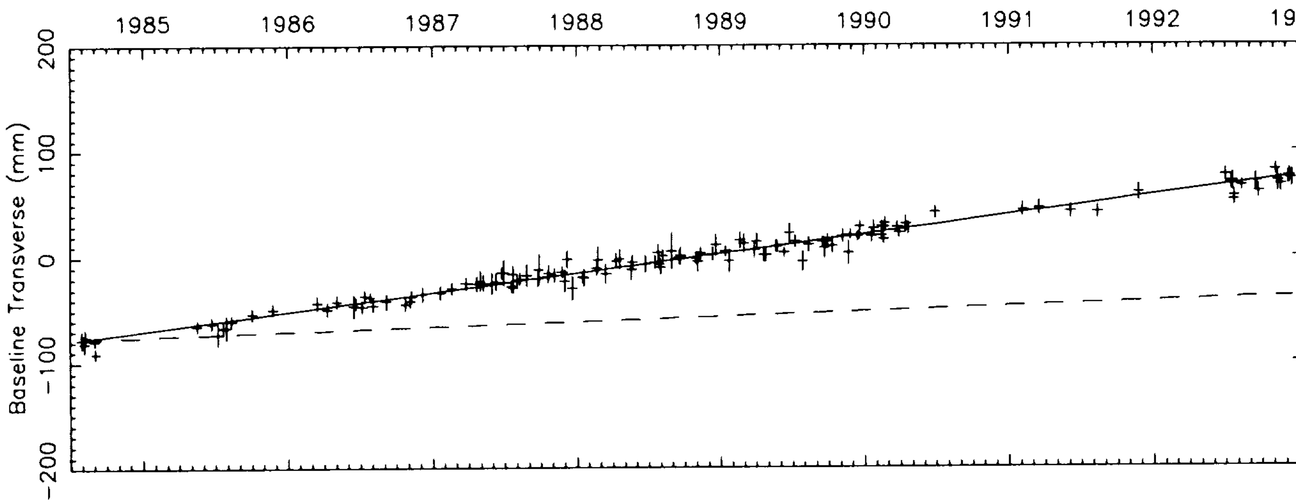
Observed Rate = .3 ± .5 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 12.2 mm

Weighted mean length = 5427104370.9 mm

Reduced Chi square = 2.24

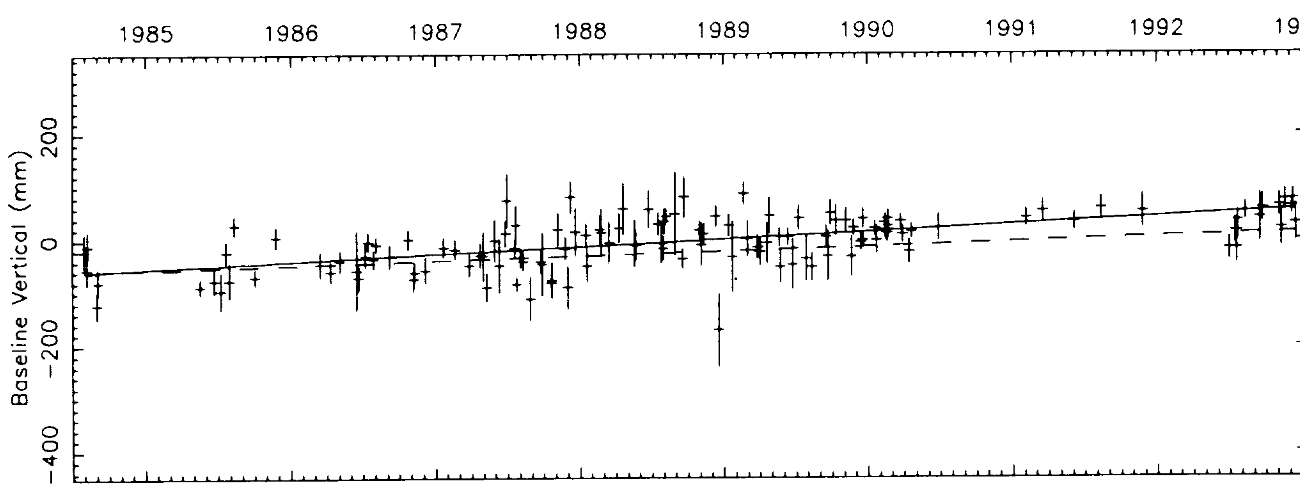


Observed Rate = 18.1 ± .2 mm/yr

NUVEL model rate = 4.7 mm/yr

Wrms of fit = 5.5 mm

Reduced Chi square = .77



Observed Rate = 13.8 ± 1.3 mm/yr

NUVEL model rate = 8.7 mm/yr

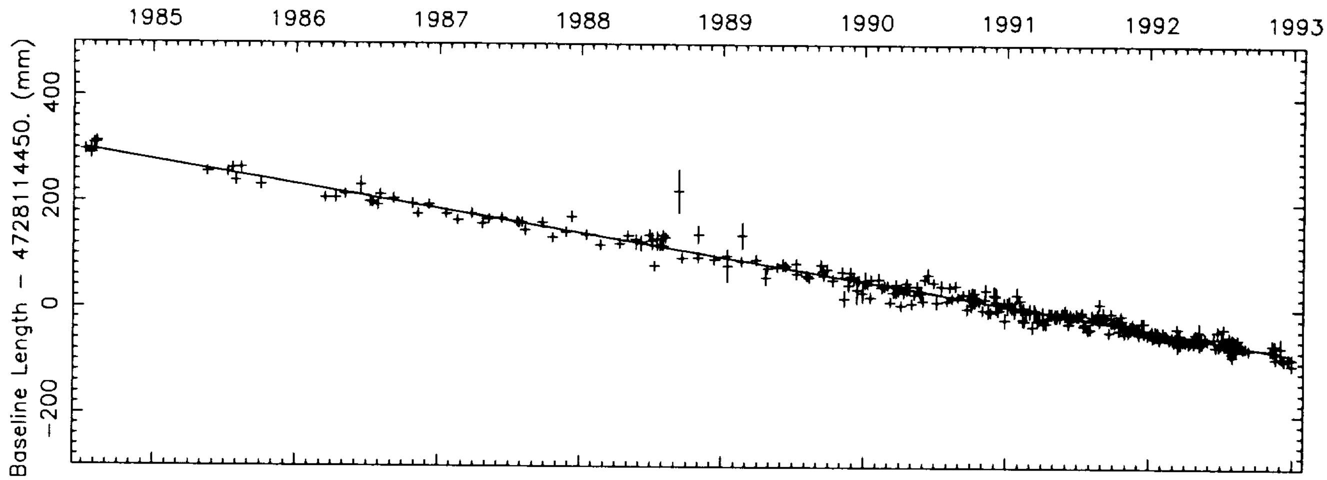
Wrms of fit = 31.8 mm

Reduced Chi square = 2.08

Vector baseline plots for GILCREEK–KAUAI

Baseline length = 4728 kilometers

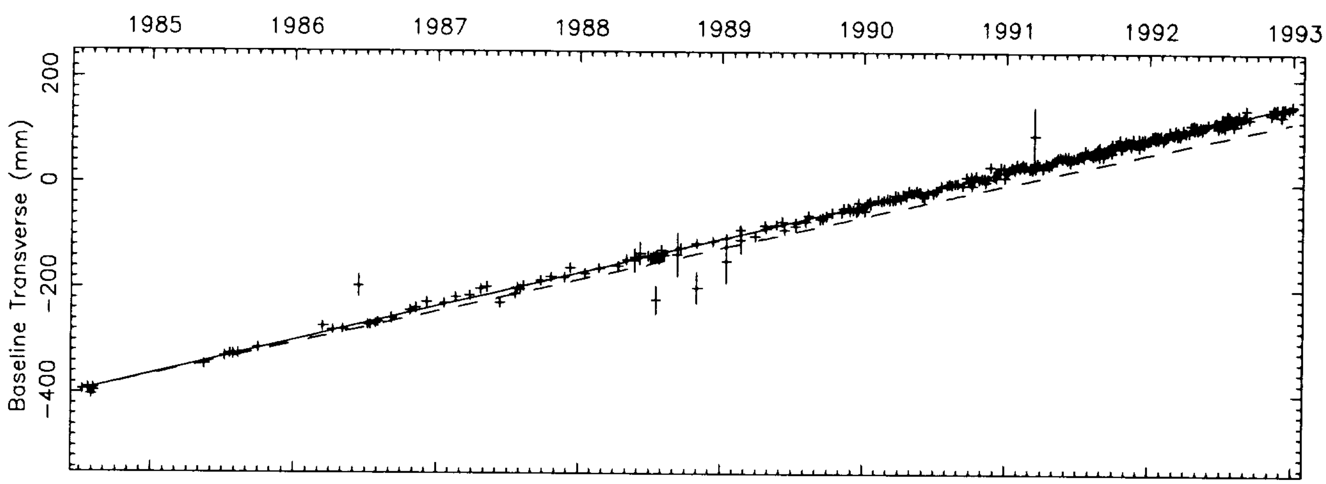
Number of sessions = 316



Observed Rate = −45.5 ± .3 mm/yr
NUVEL model rate = −45.4 mm/yr

Wrms of fit = 9.5 mm
Weighted mean length = 4728114451.0 mm

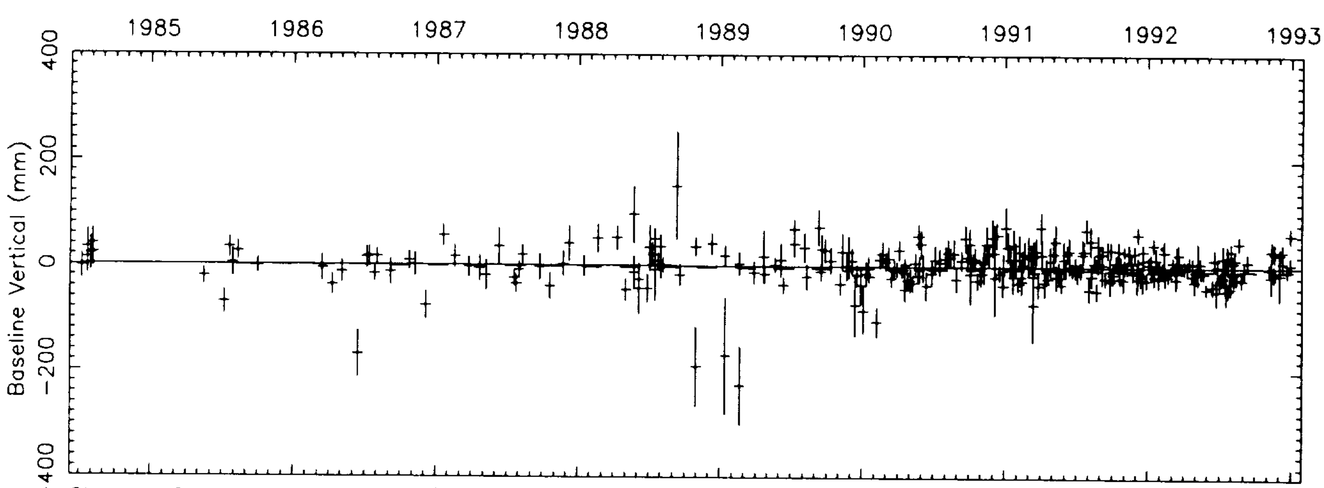
Reduced Chi square = 2.30



Observed Rate = 64.4 ± .2 mm/yr
NUVEL model rate = 60.5 mm/yr

Wrms of fit = 5.4 mm

Reduced Chi square = 1.04



Observed Rate = −.2 ± .8 mm/yr
NUVEL model rate = −1.0 mm/yr

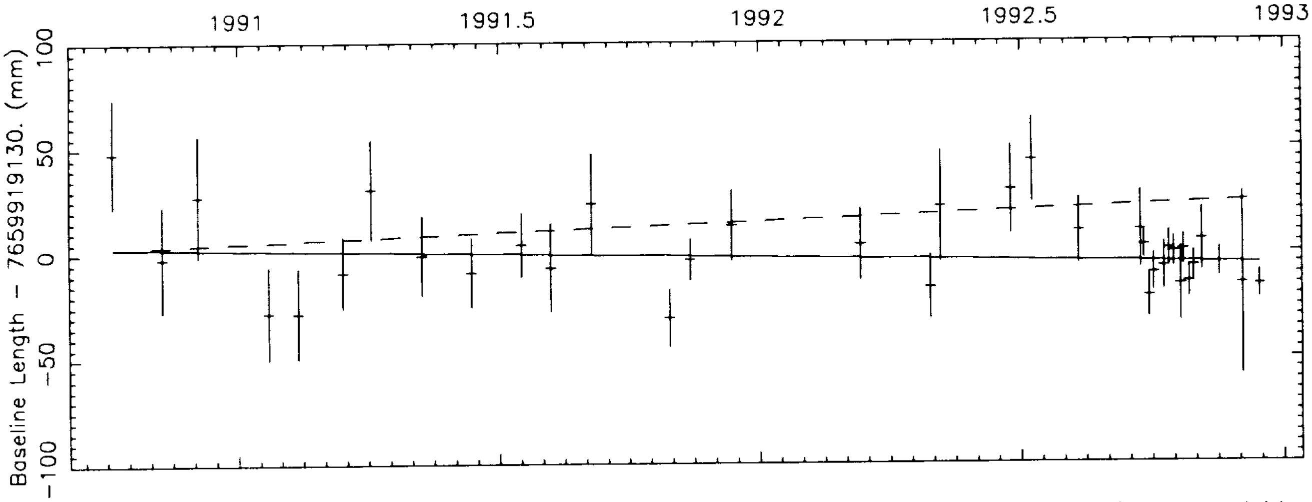
Wrms of fit = 23.4 mm

Reduced Chi square = 1.95

Vector baseline plots for GILCREEK-MATERA

Baseline length = 7659 kilometers

Number of sessions = 36



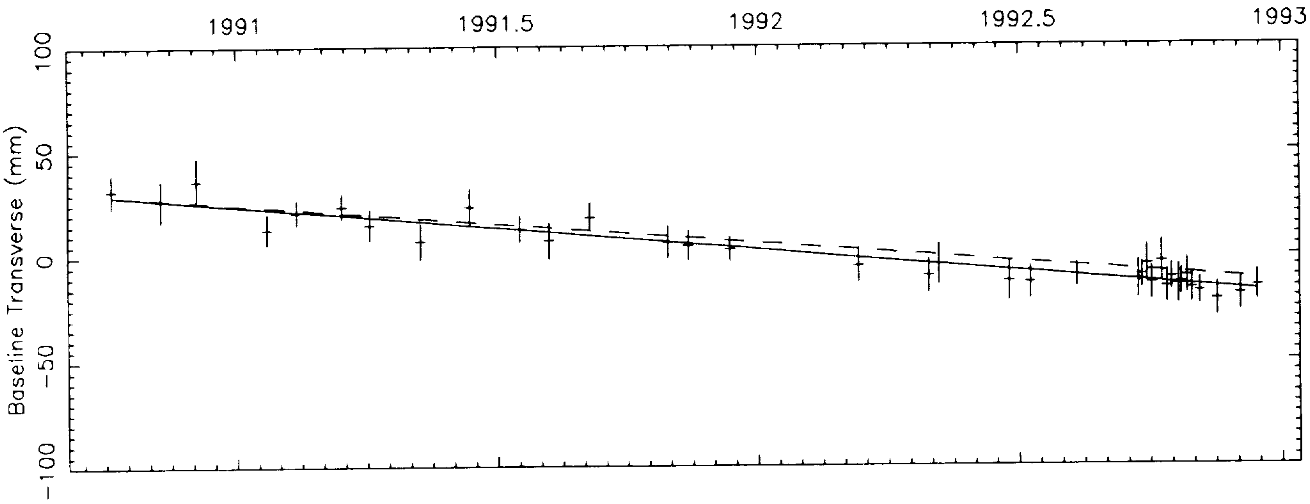
Observed Rate = -3.7 ± 4.0 mm/yr

NUVEL model rate = 9.9 mm/yr

Wrms of fit = 12.1 mm

Weighted mean length = 7659919126.0 mm

Reduced Chi square = 1.14

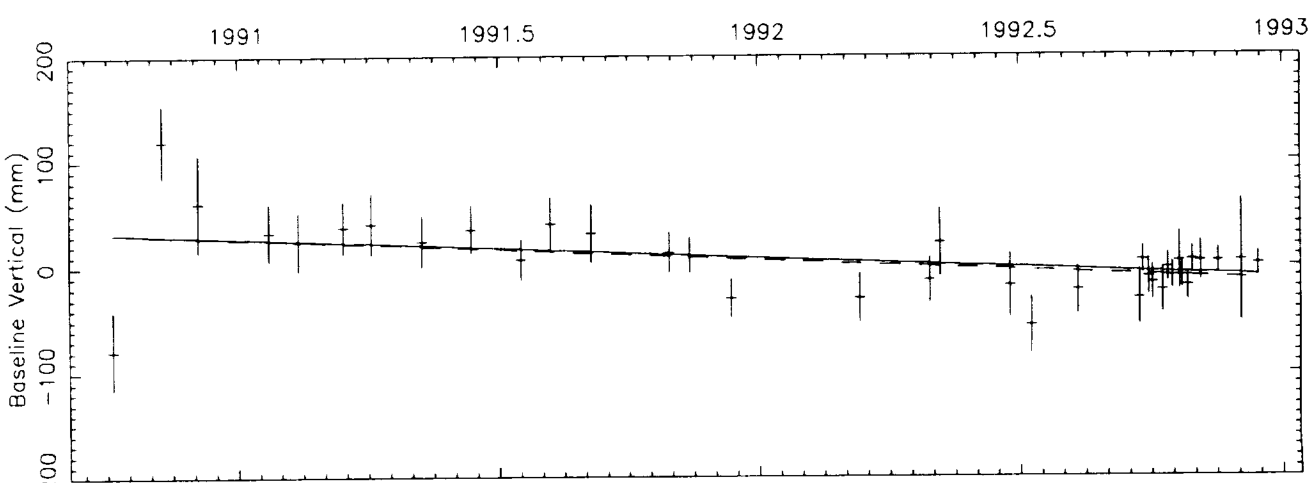


Observed Rate = -21.1 ± 1.1 mm/yr

NUVEL model rate = -18.5 mm/yr

Wrms of fit = 4.5 mm

Reduced Chi square = .38



Observed Rate = -18.6 ± 5.7 mm/yr

NUVEL model rate = -20.1 mm/yr

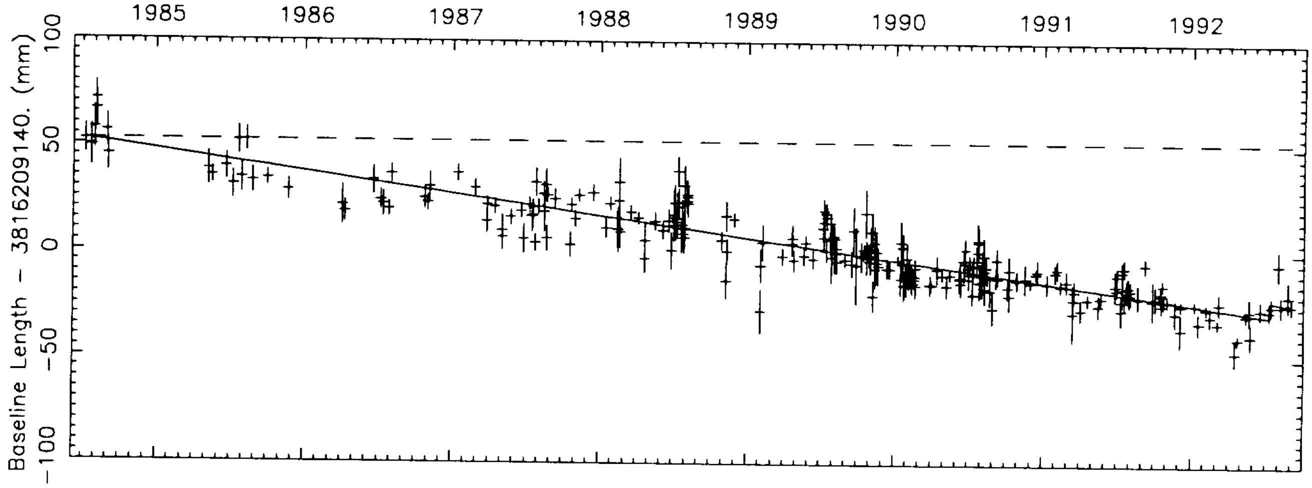
Wrms of fit = 19.5 mm

Reduced Chi square = 1.18

Vector baseline plots for GILCREEK–MOJAVE12

Baseline length = 3816 kilometers

Number of sessions = 284



Observed Rate = −10.2 ± .2 mm/yr

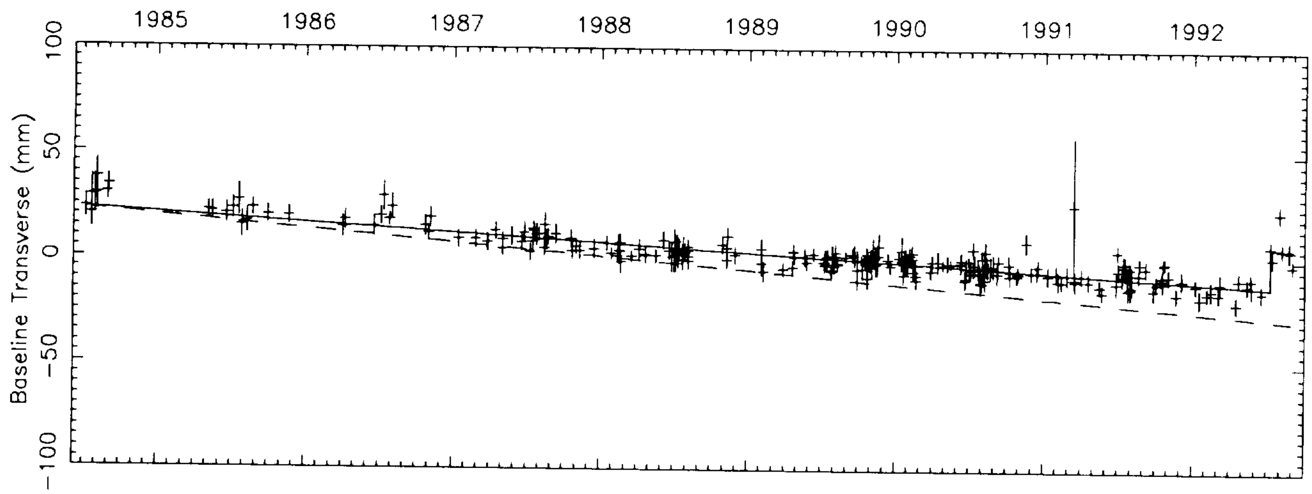
NUVEL model rate = .0 mm/yr

Wrms of fit = 6.0 mm

Weighted mean length = 3816209137.2 mm

Offset = 7.3 ± 3.0 mm

Reduced Chi square = 2.25



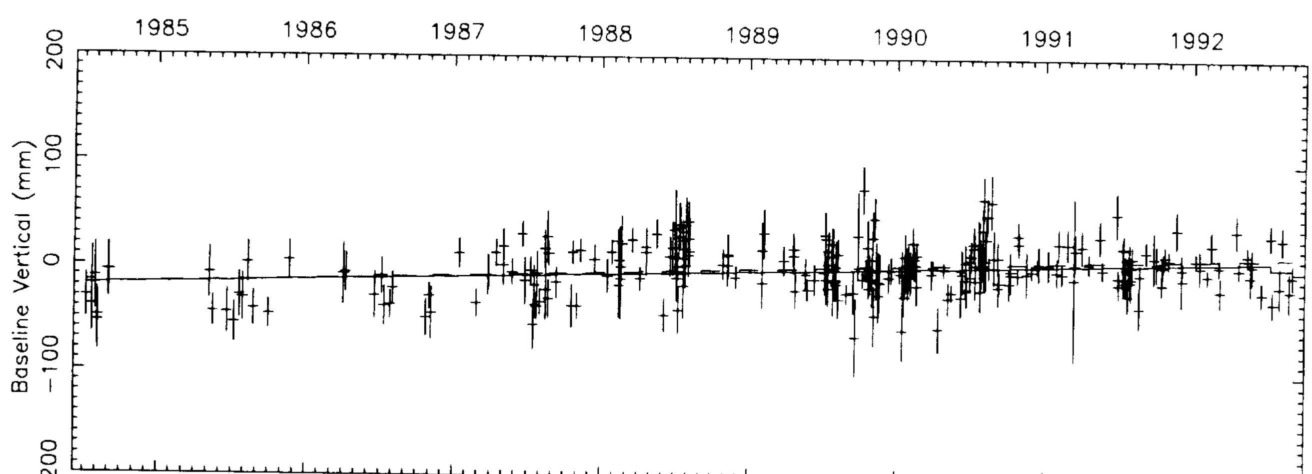
Observed Rate = −4.4 ± .1 mm/yr

NUVEL model rate = −6.3 mm/yr

Wrms of fit = 3.8 mm

Offset = 19.5 ± 1.6 mm

Reduced Chi square = 1.08



Observed Rate = 3.5 ± .6 mm/yr

NUVEL model rate = 4.0 mm/yr

Wrms of fit = 16.5 mm

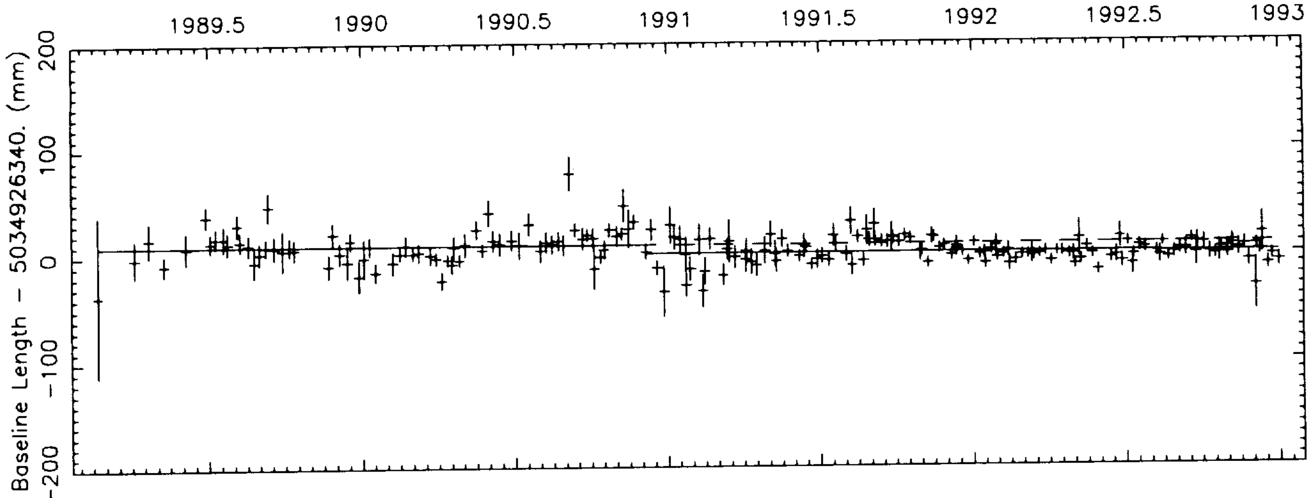
Reduced Chi square = 1.62

Offset = −5.4 ± 7.4 mm

Vector baseline plots for GILCREEK−NRAO85 3

Baseline length = 5034 kilometers

Number of sessions = 201



Observed Rate = −.1 ± 1.4 mm/yr

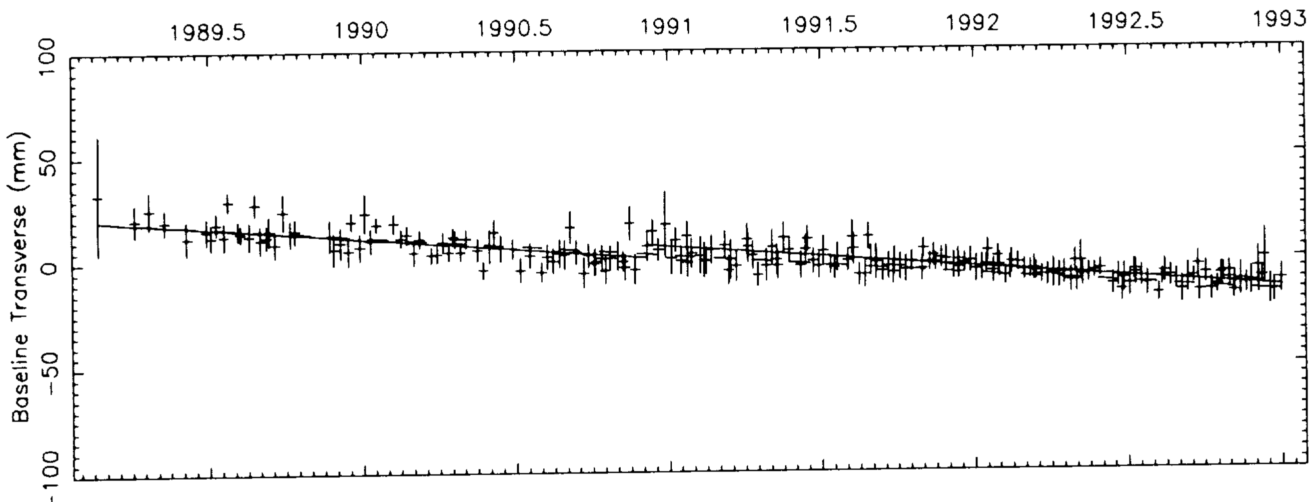
NUVEL model rate = .0 mm/yr

Wrms of fit = 9.3 mm

Weighted mean length = 5034926342.5 mm

Offset = −7.8 ± 3.2 mm

Reduced Chi square = 2.07



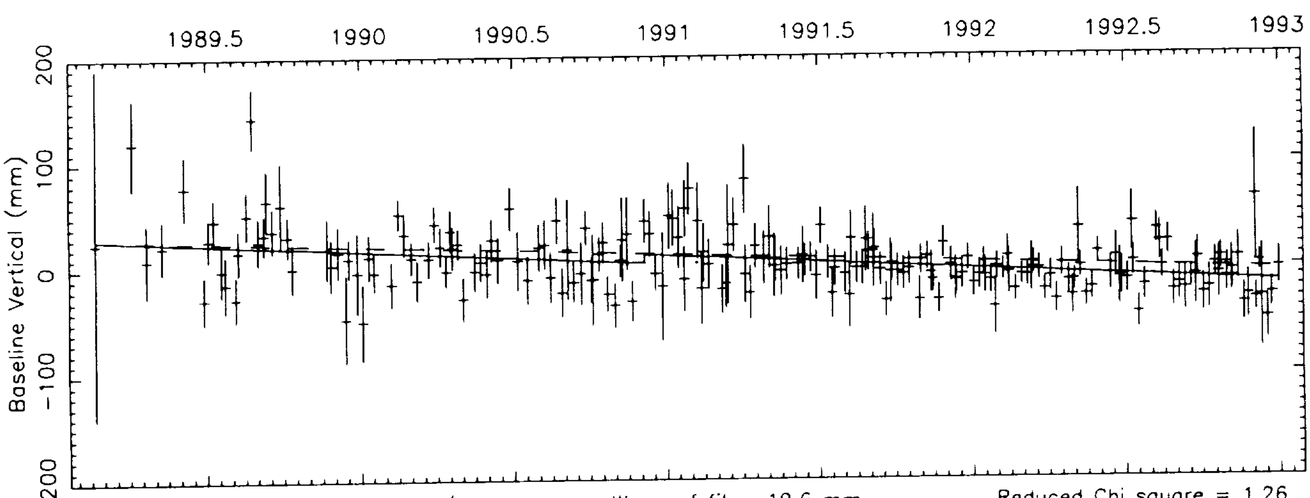
Observed Rate = −10.4 ± .6 mm/yr

NUVEL model rate = −9.5 mm/yr

Wrms of fit = 4.6 mm

Offset = 6.1 ± 1.4 mm

Reduced Chi square = .69



Observed Rate = −13.6 ± 2.8 mm/yr

NUVEL model rate = −8.4 mm/yr

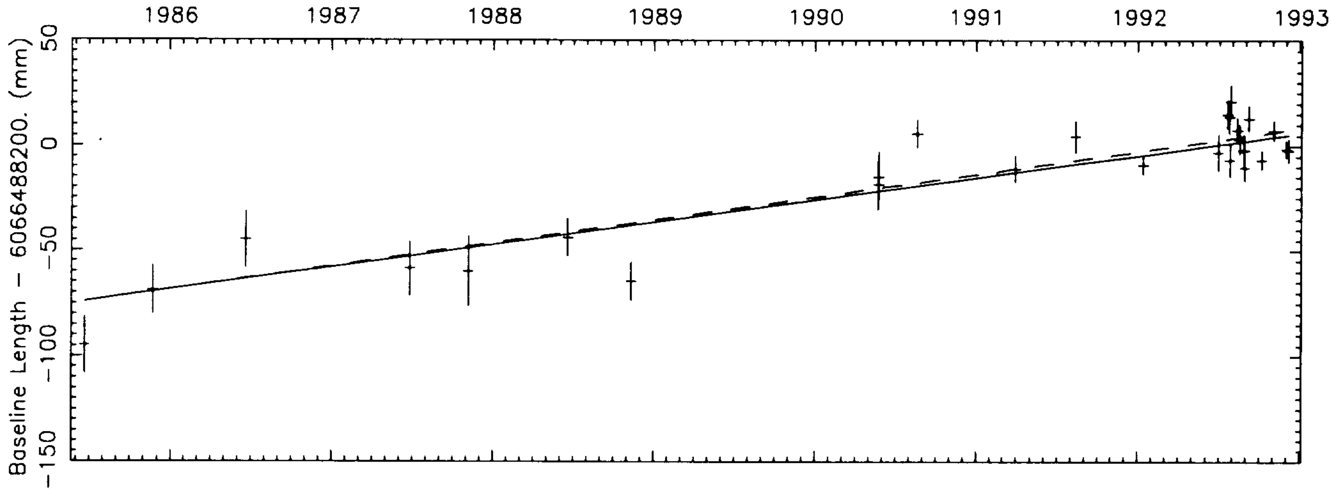
Wrms of fit = 19.6 mm

Reduced Chi square = 1.26

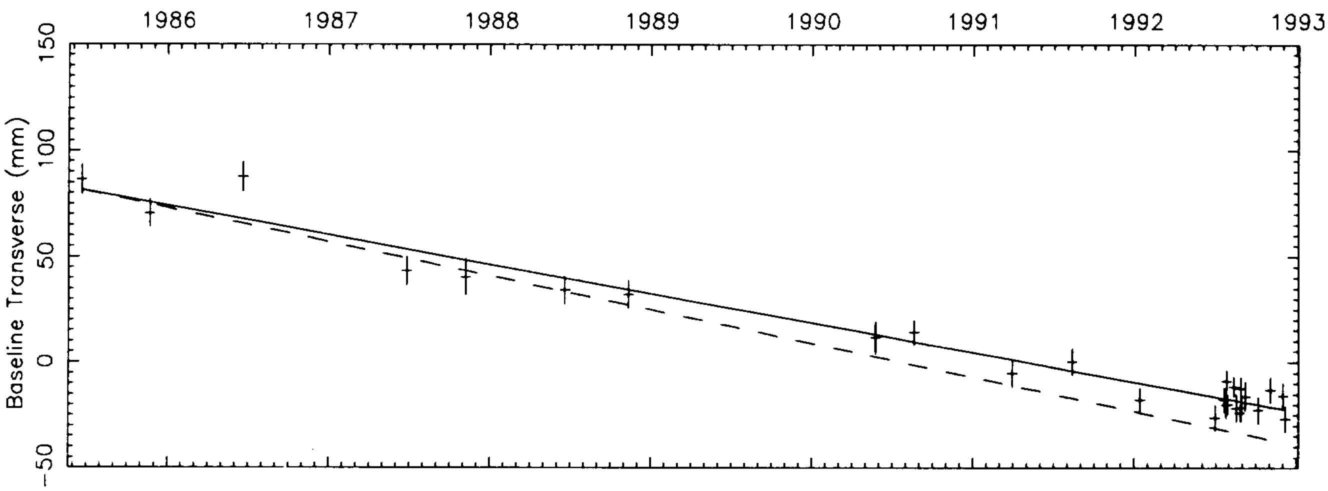
Offset = 8.4 ± 6.3 mm

Vector baseline plots for GILCREEK–ONSALA60

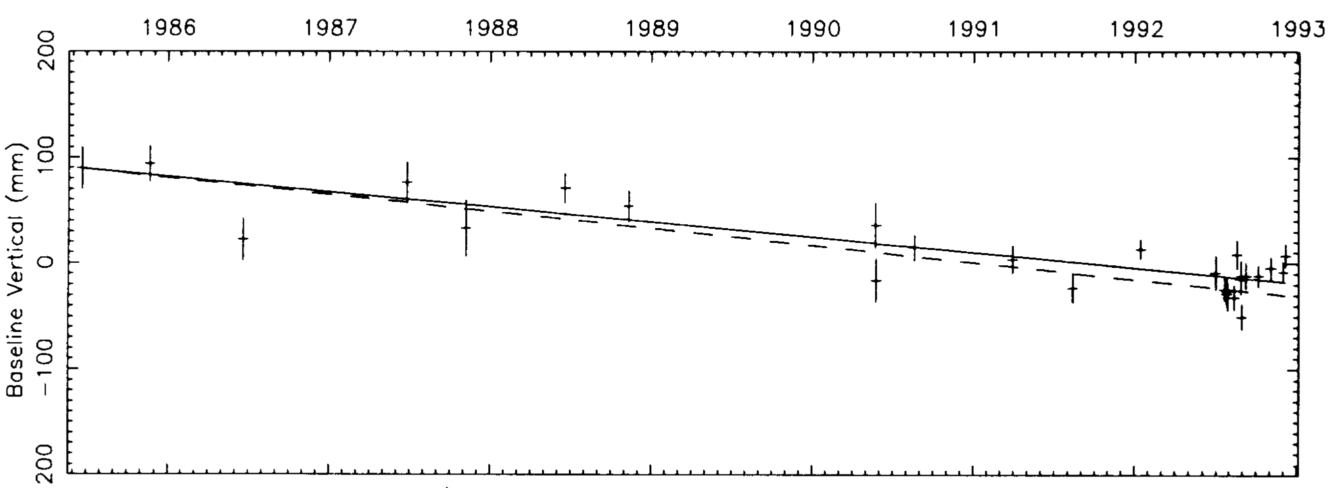
Baseline length = 6066 kilometers   Number of sessions = 28



Observed Rate = 10.7 ± 1.3 mm/yr   Wrms of fit = 10.6 mm   Reduced Chi square = 2.65
NUVEL model rate = 11.0 mm/yr   Weighted mean length = 6066488195.0 mm



Observed Rate = –13.9 ± .6 mm/yr   Wrms of fit = 6.4 mm   Reduced Chi square = 1.20
NUVEL model rate = –16.0 mm/yr

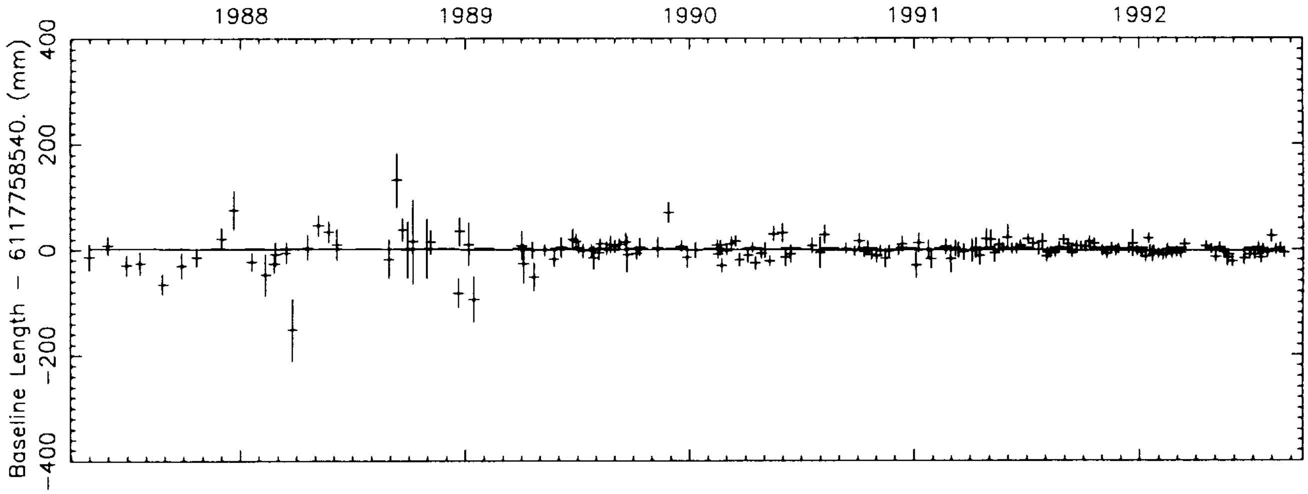


Observed Rate = –14.3 ± 1.9 mm/yr   Wrms of fit = 17.8 mm   Reduced Chi square = 1.94
NUVEL model rate = –16.0 mm/yr

Vector baseline plots for GILCREEK–RICHMOND

Baseline length = 6117 kilometers

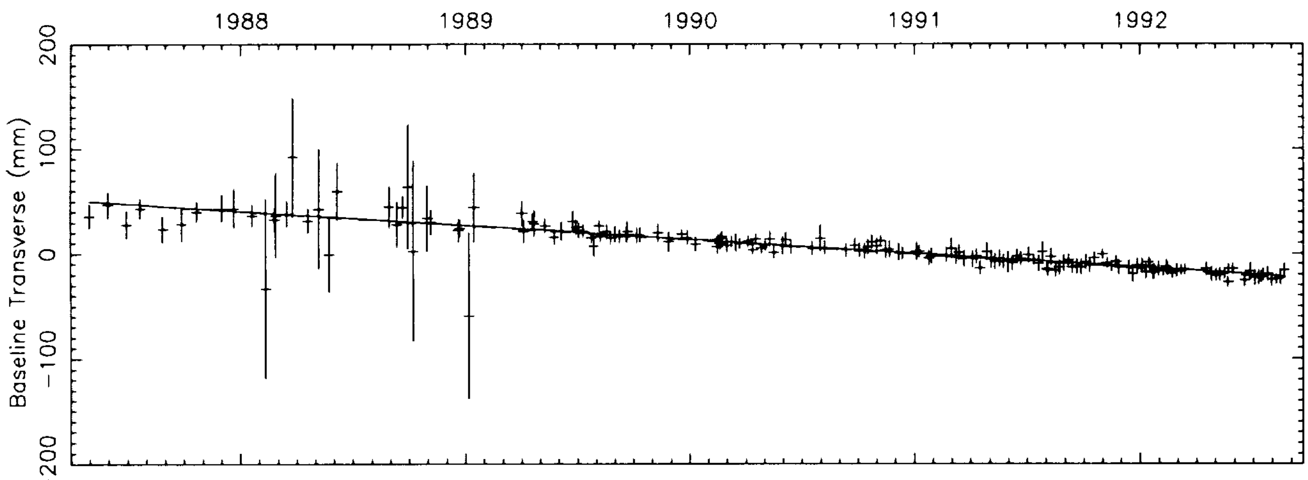
Number of sessions = 172



Observed Rate = –.9 ± .9 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 11.9 mm
Weighted mean length = 6117758538.5 mm

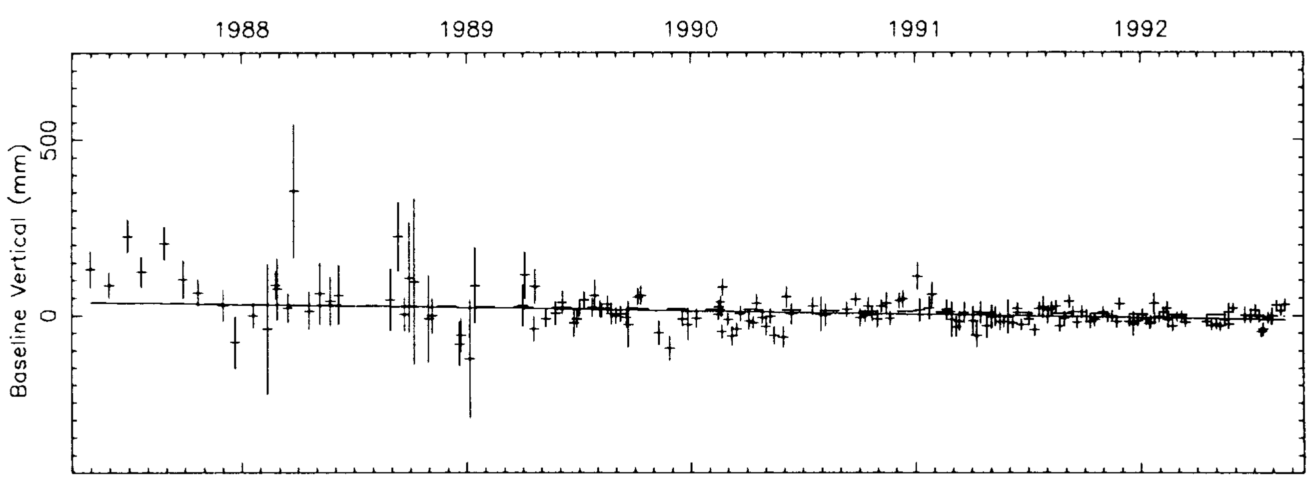
Reduced Chi square = 1.40



Observed Rate = –13.4 ± .3 mm/yr
NUVEL model rate = –13.7 mm/yr

Wrms of fit = 4.5 mm

Reduced Chi square = .46



Observed Rate = –9.2 ± 2.0 mm/yr
NUVEL model rate = –7.0 mm/yr

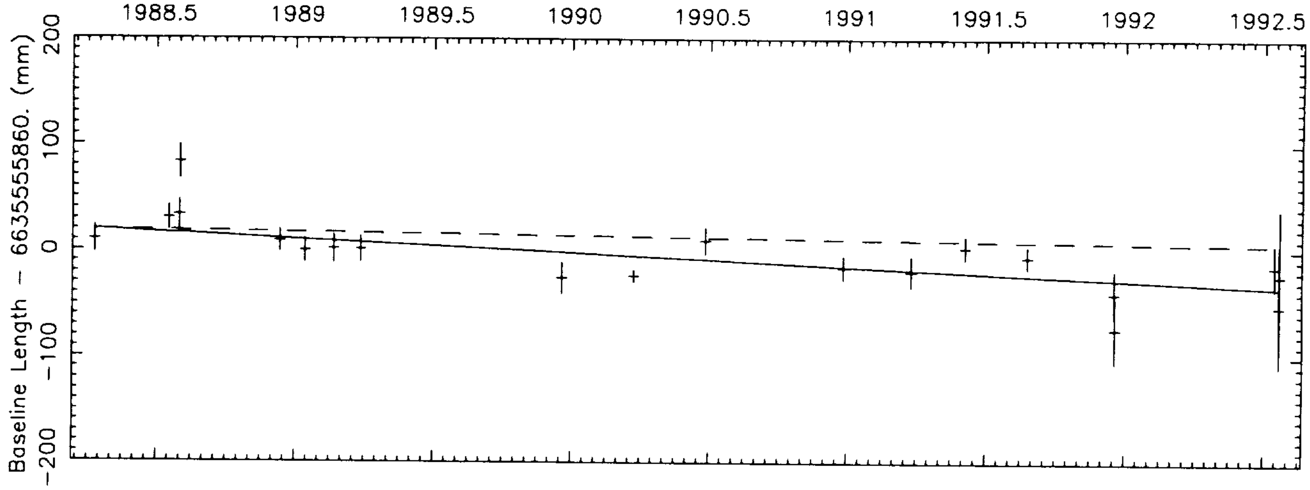
Wrms of fit = 27.8 mm

Reduced Chi square = 1.65

Vector baseline plots for GILCREEK-SESHAN25

Baseline length = 6635 kilometers

Number of sessions = 20



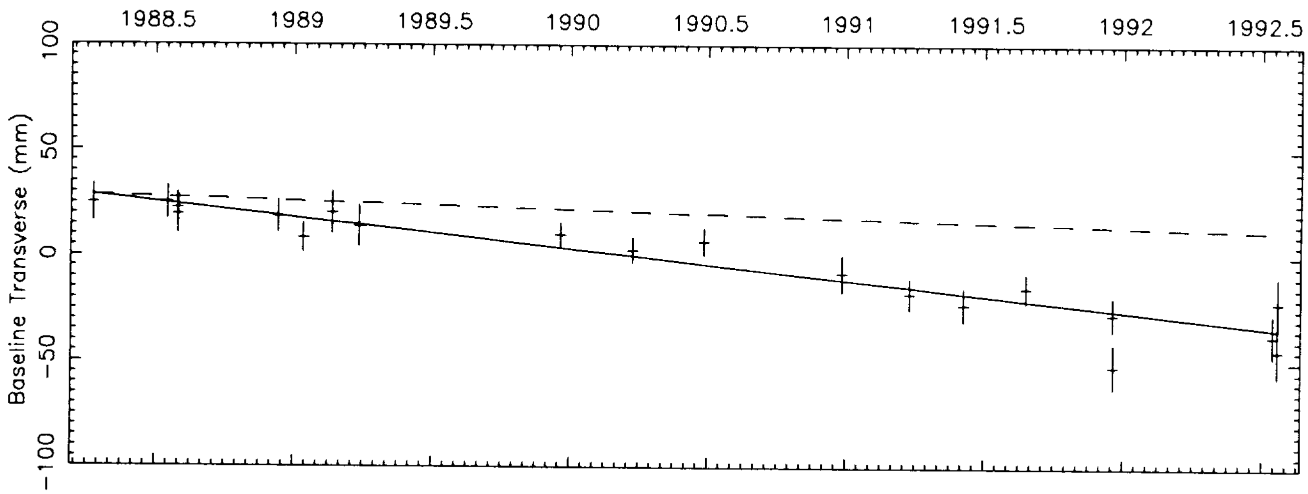
Observed Rate = −12.6 ± 4.0 mm/yr

NUVEL model rate = −3.2 mm/yr

Wrms of fit = 19.3 mm

Weighted mean length = 6635555857.6 mm

Reduced Chi square = 2.72

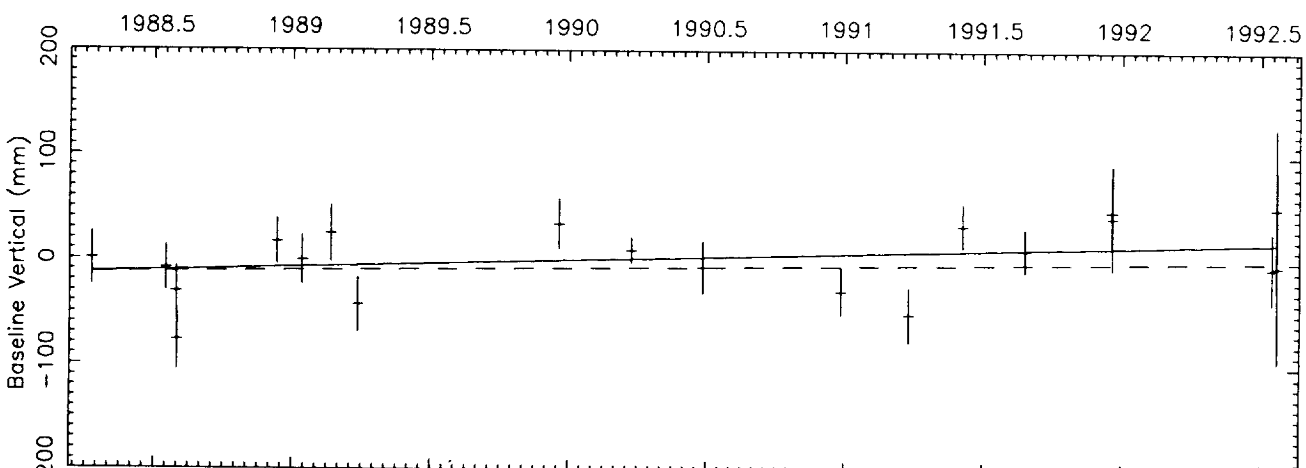


Observed Rate = −14.6 ± 1.3 mm/yr

NUVEL model rate = −3.9 mm/yr

Wrms of fit = 7.1 mm

Reduced Chi square = .89



Observed Rate = 7.2 ± 5.3 mm/yr

NUVEL model rate = 3.1 mm/yr

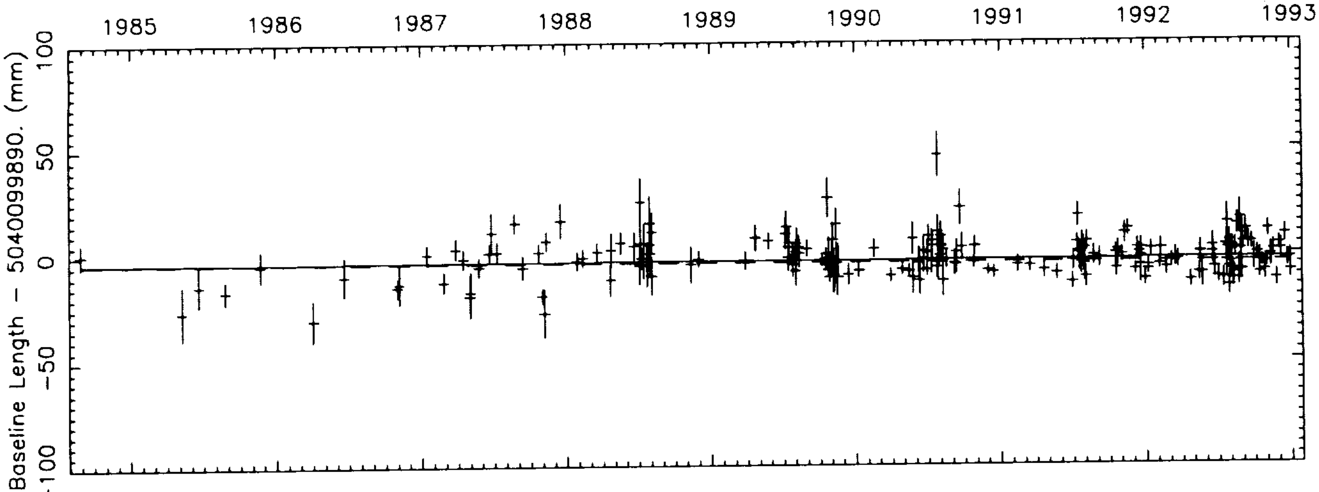
Wrms of fit = 27.0 mm

Reduced Chi square = 1.38

Vector baseline plots for GILCREEK–WESTFORD

Baseline length = 5040 kilometers

Number of sessions = 229



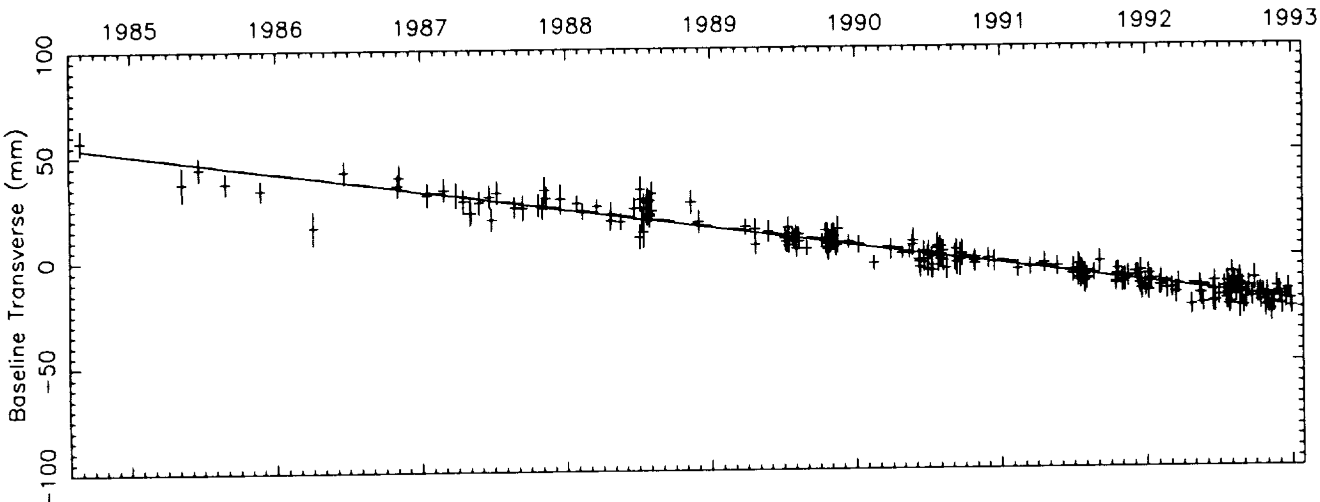
Observed Rate = .2 ± .3 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 6.6 mm

Weighted mean length = 5040099887.2 mm

Reduced Chi square = 2.32

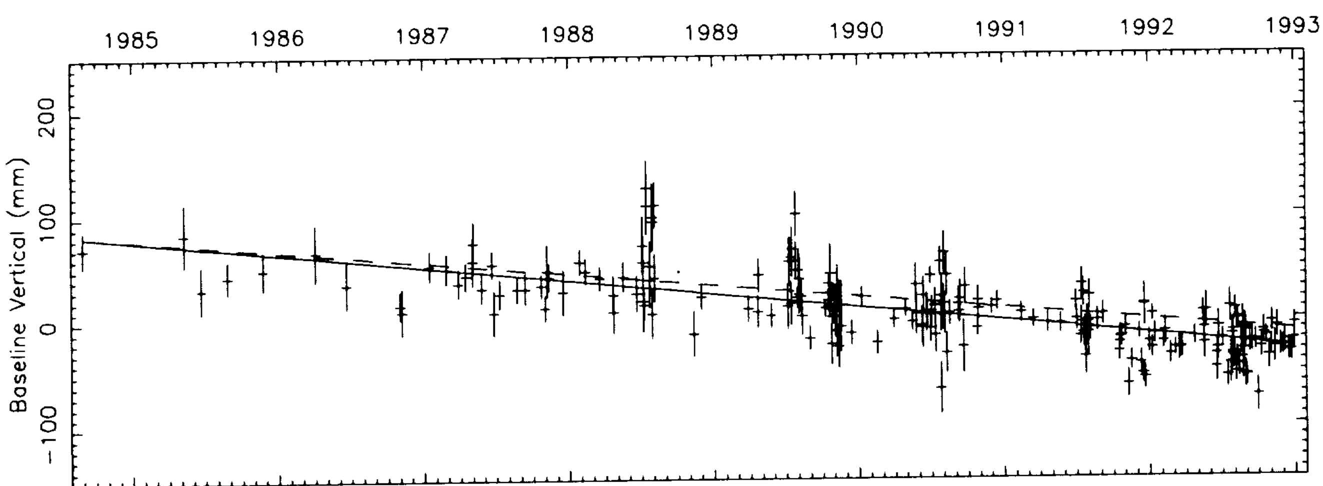


Observed Rate = –8.9 ± .2 mm/yr

NUVEL model rate = –8.8 mm/yr

Wrms of fit = 3.8 mm

Reduced Chi square = .74



Observed Rate = –13.2 ± .7 mm/yr

NUVEL model rate = –11.3 mm/yr

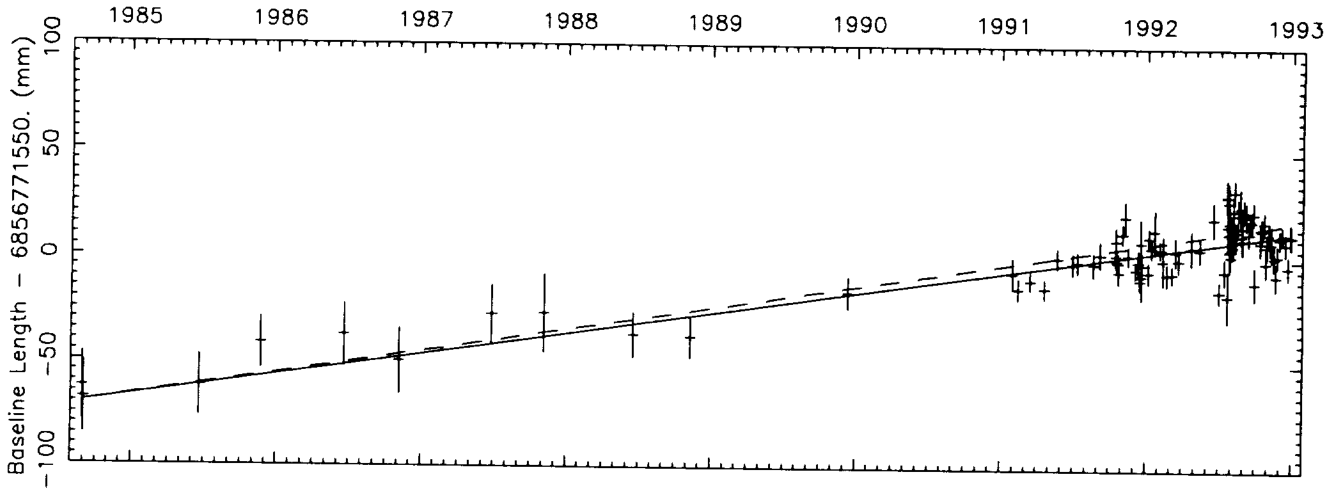
Wrms of fit = 18.1 mm

Reduced Chi square = 2.33

Vector baseline plots for GILCREEK–WETTZELL

Baseline length = 6856 kilometers

Number of sessions = 95



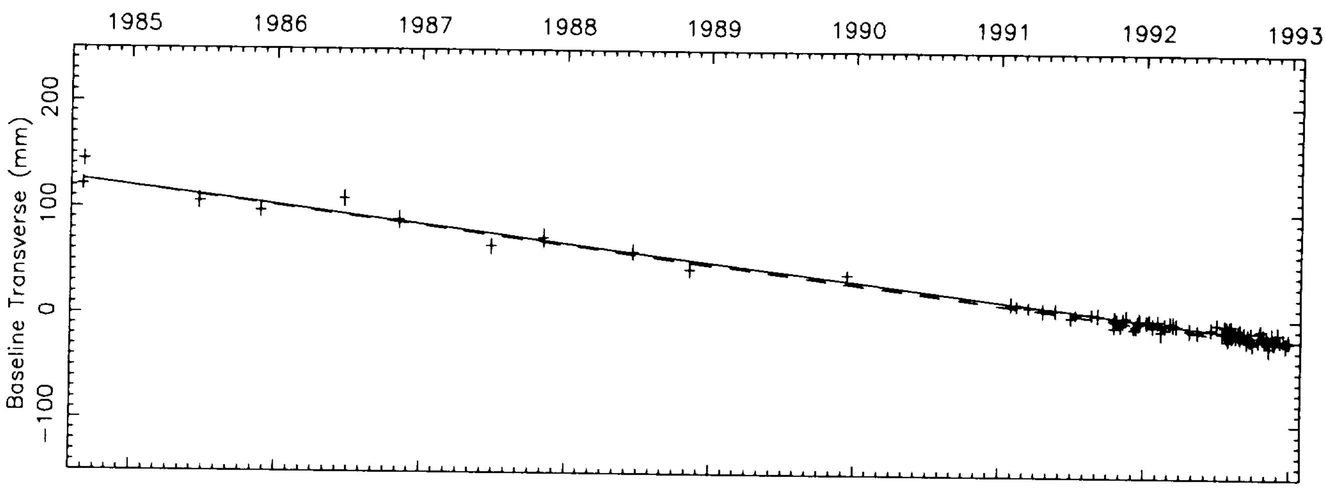
Observed Rate = 10.0 ± 1.0 mm/yr

NUVEL model rate = 10.6 mm/yr

Wrms of fit = 8.7 mm

Weighted mean length = 6856771555.0 mm

Reduced Chi square = 2.26

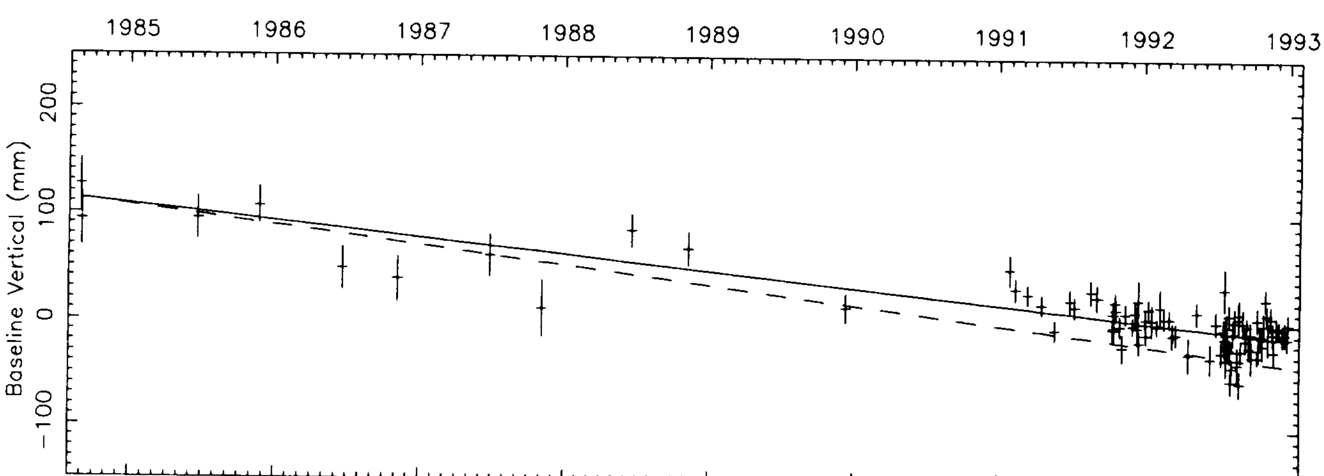


Observed Rate = −17.4 ± .3 mm/yr

NUVEL model rate = −17.9 mm/yr

Wrms of fit = 4.5 mm

Reduced Chi square = .55



Observed Rate = −15.1 ± 1.4 mm/yr

NUVEL model rate = −18.1 mm/yr

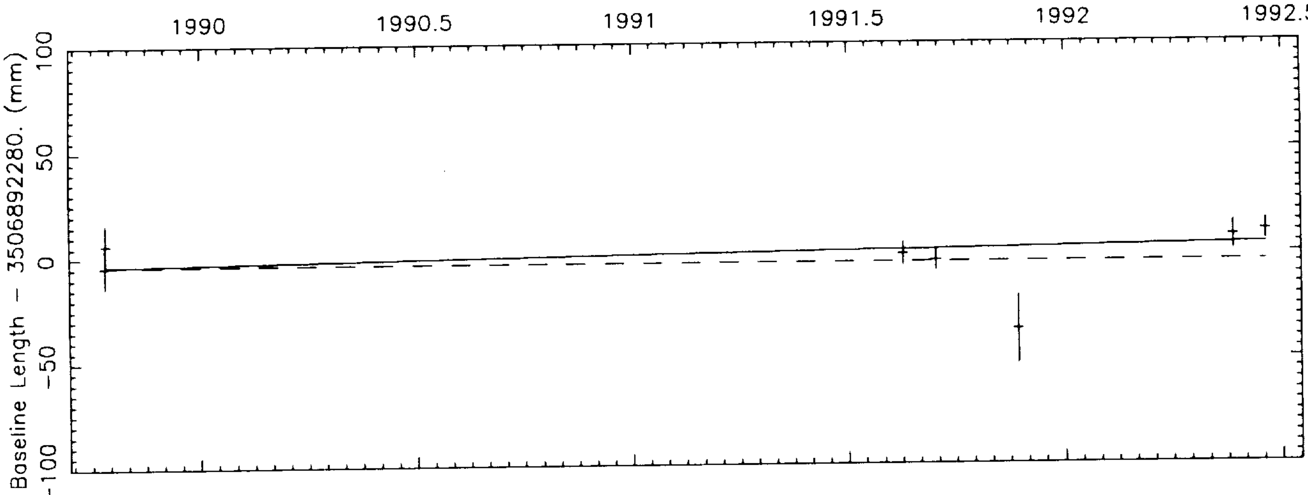
Wrms of fit = 15.8 mm

Reduced Chi square = 2.03

Vector baseline plots for GORF7102–MOJAVE12

Baseline length = 3506 kilometers

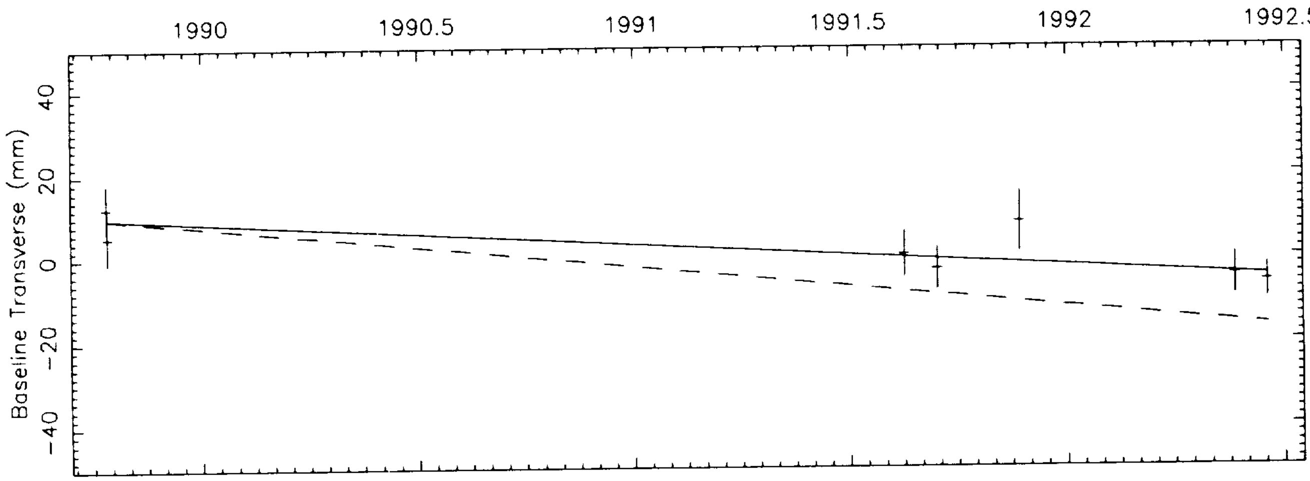
Number of sessions = 7



Observed Rate = 3.1 ± 4.2 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 7.8 mm
Weighted mean length = 3506892282.0 mm

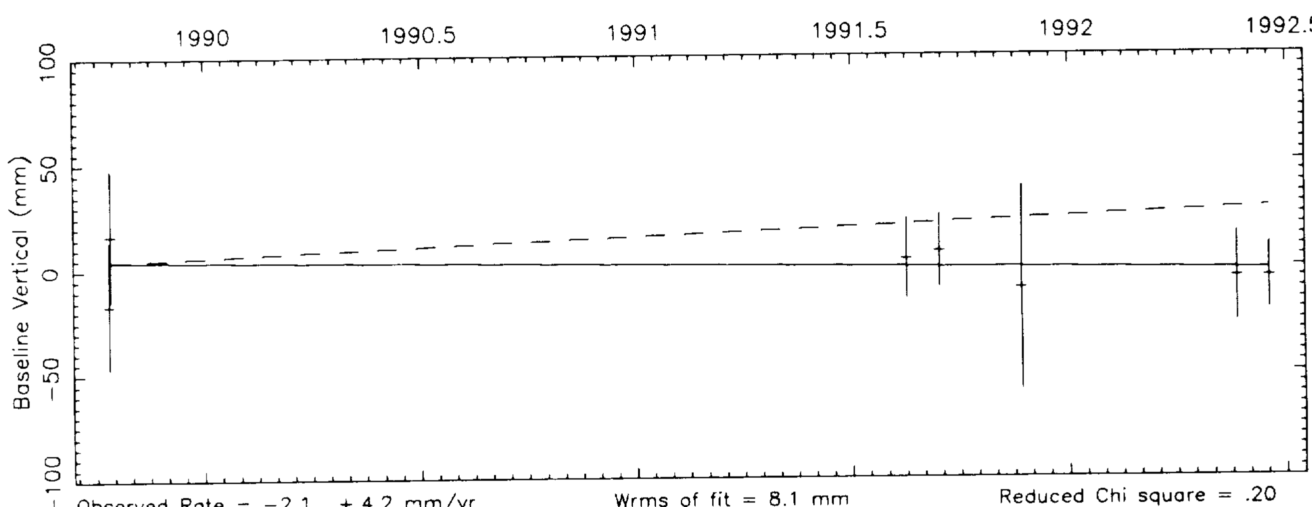
Reduced Chi square = 2.03



Observed Rate = −5.4 ± 1.5 mm/yr
NUVEL model rate = −9.8 mm/yr

Wrms of fit = 3.4 mm

Reduced Chi square = .58



Observed Rate = −2.1 ± 4.2 mm/yr
NUVEL model rate = 8.8 mm/yr

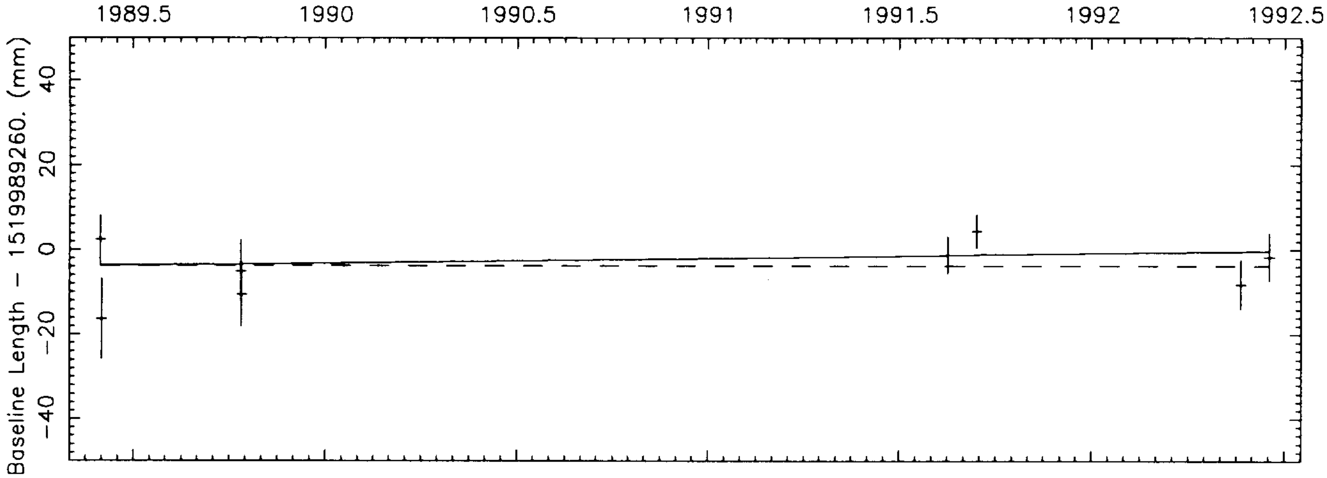
Wrms of fit = 8.1 mm

Reduced Chi square = .20

Vector baseline plots for GORF7102–RICHMOND

Baseline length = 1519 kilometers

Number of sessions = 8



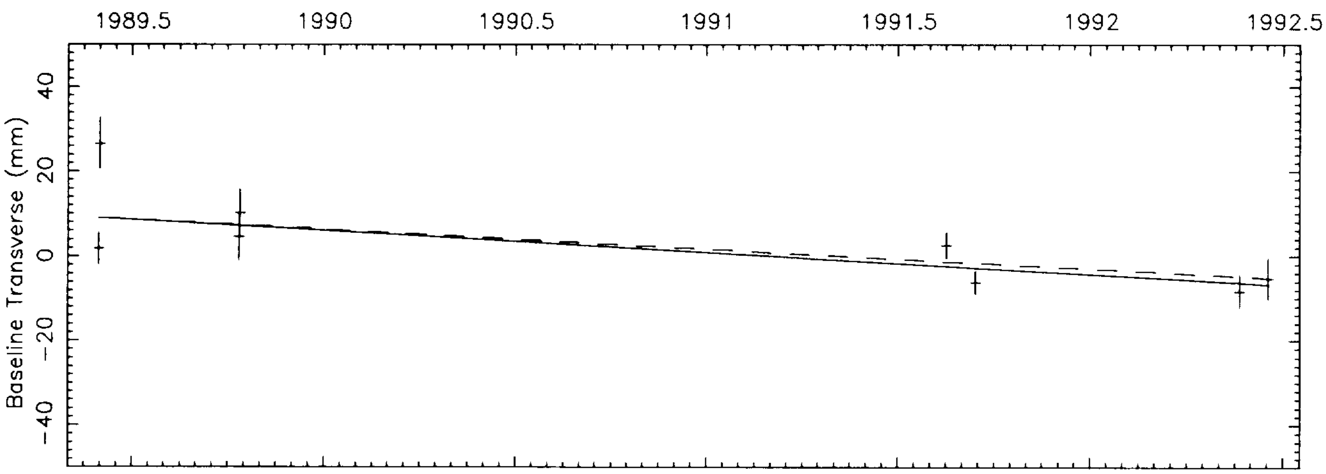
Observed Rate = 1.1 ± 2.0 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 5.5 mm

Weighted mean length = 1519989258.2 mm

Reduced Chi square = 1.27

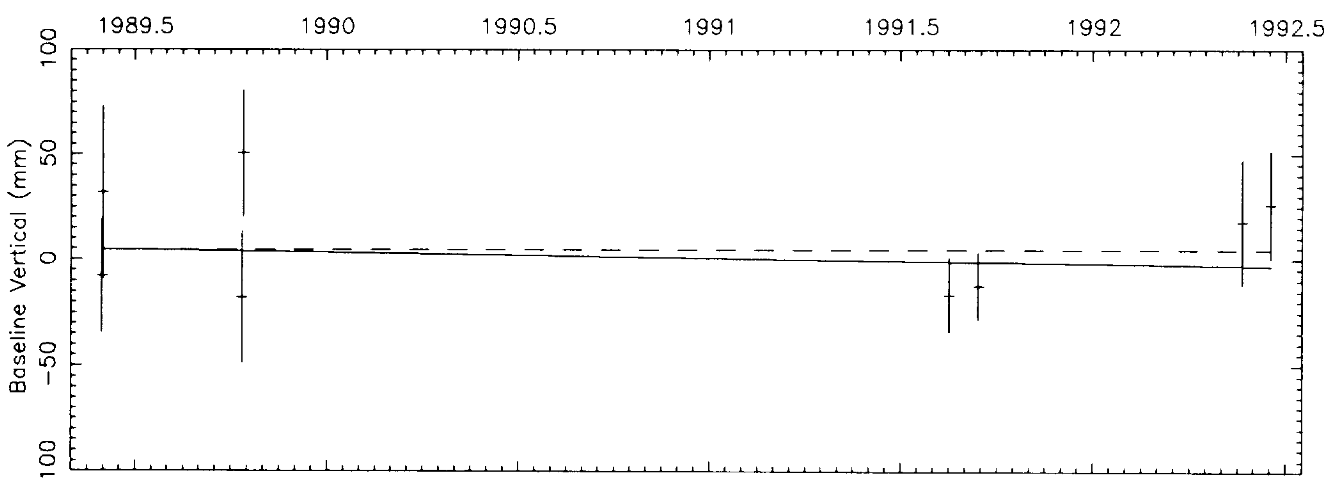


Observed Rate = –5.2 ± 2.1 mm/yr

NUVEL model rate = –4.7 mm/yr

Wrms of fit = 5.8 mm

Reduced Chi square = 2.89



Observed Rate = –2.5 ± 8.2 mm/yr

NUVEL model rate = .0 mm/yr

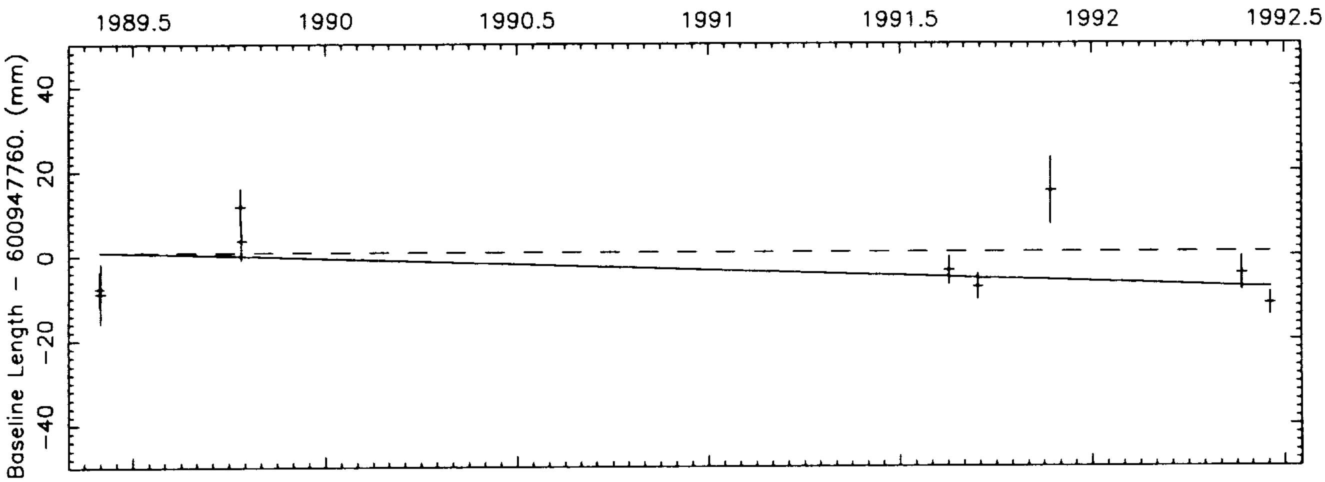
Wrms of fit = 21.7 mm

Reduced Chi square = 1.10

Vector baseline plots for GORF7102–WESTFORD

Baseline length = 600 kilometers

Number of sessions = 9



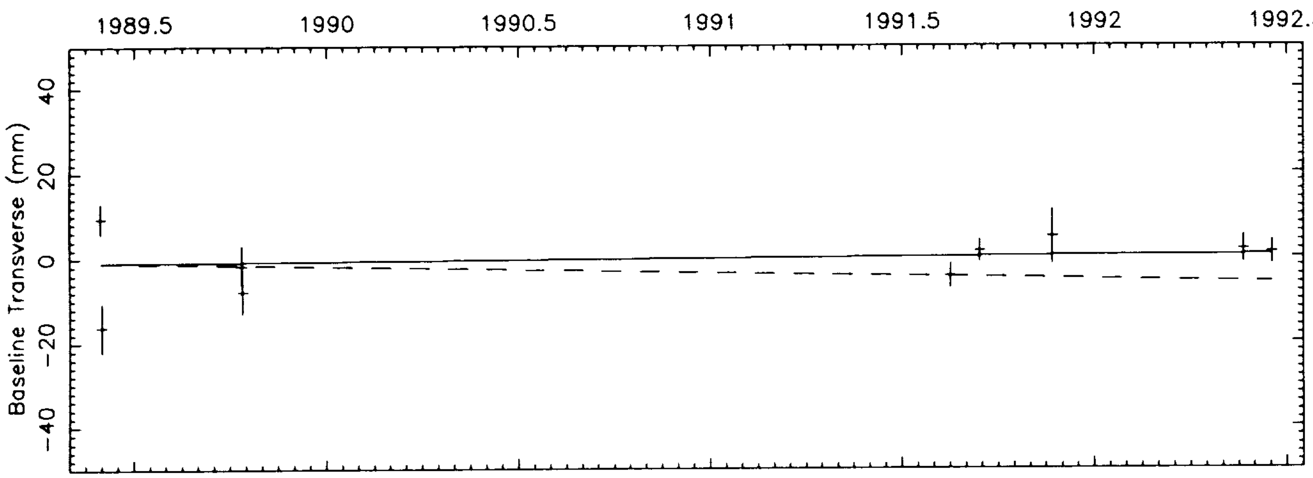
Observed Rate = −2.8 ± 2.1 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 6.5 mm

Weighted mean length = 600947755.7 mm

Reduced Chi square = 3.49

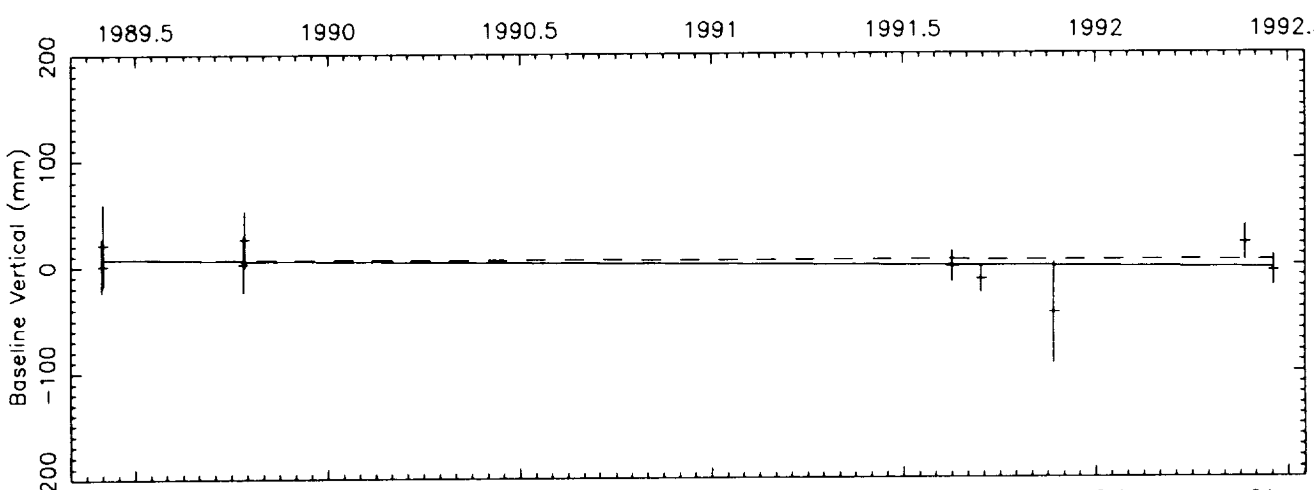


Observed Rate = .5 ± 1.8 mm/yr

NUVEL model rate = −1.6 mm/yr

Wrms of fit = 5.3 mm

Reduced Chi square = 2.95



Observed Rate = −3.3 ± 5.0 mm/yr

NUVEL model rate = −.8 mm/yr

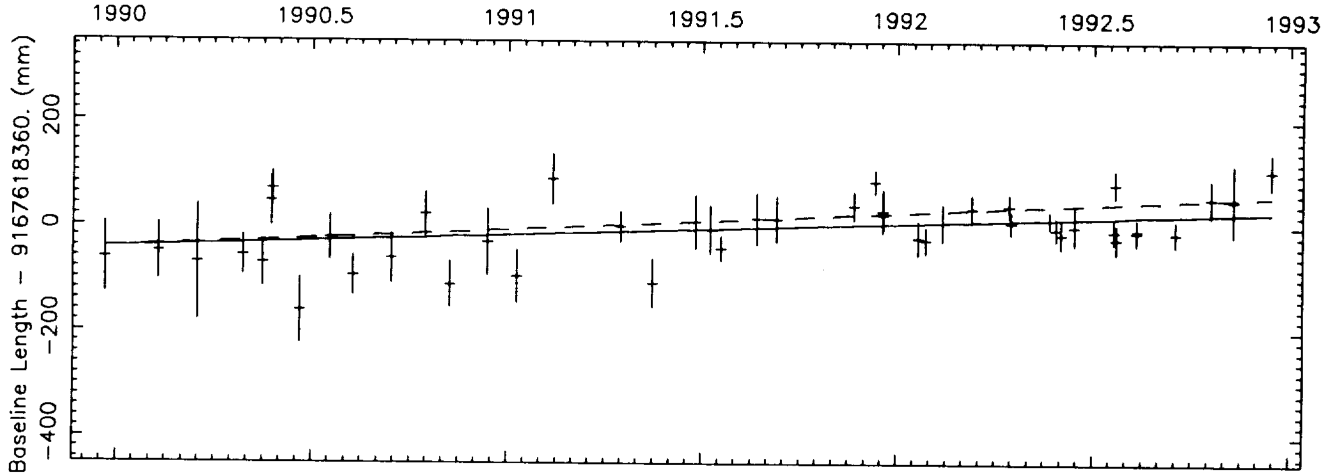
Wrms of fit = 13.7 mm

Reduced Chi square = .64

Vector baseline plots for HARTRAO –HOBART26

Baseline length = 9167 kilometers

Number of sessions = 46



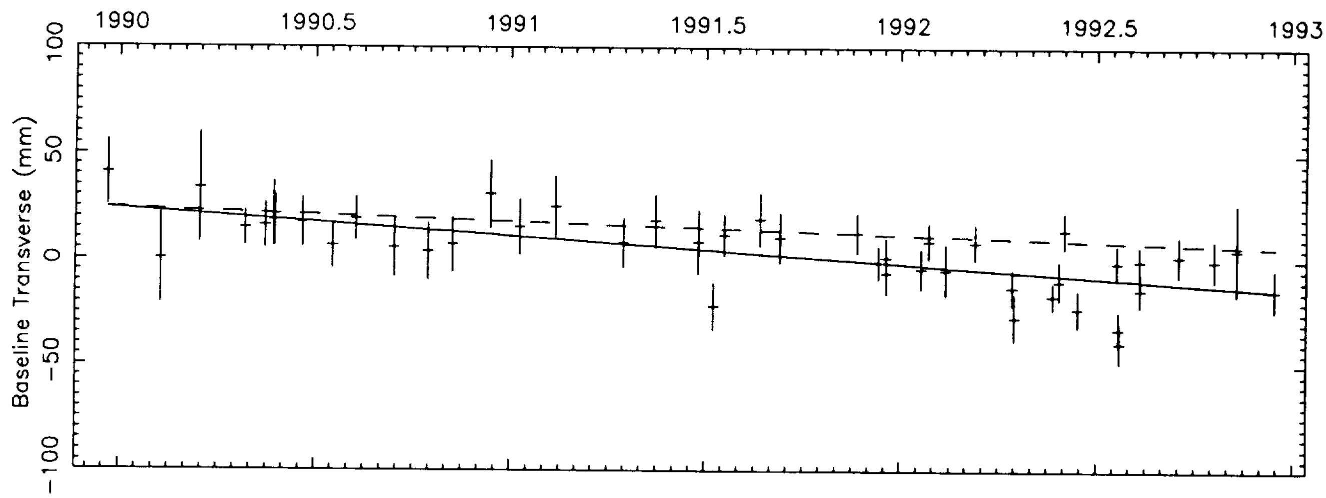
Observed Rate = 23.3 ± 8.9 mm/yr

NUVEL model rate = 33.5 mm/yr

Wrms of fit = 42.7 mm

Weighted mean length = 9167618363.8 mm

Reduced Chi square = 1.97

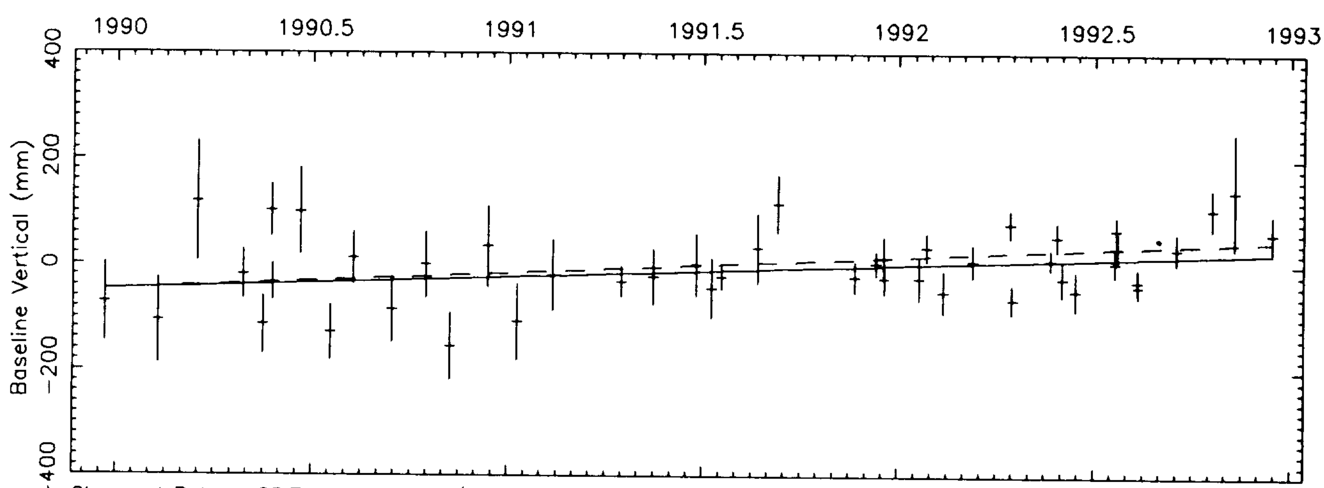


Observed Rate = –12.8 ± 2.3 mm/yr

NUVEL model rate = –6.0 mm/yr

Wrms of fit = 12.1 mm

Reduced Chi square = 1.50



Observed Rate = 23.7 ± 10.2 mm/yr

NUVEL model rate = 31.3 mm/yr

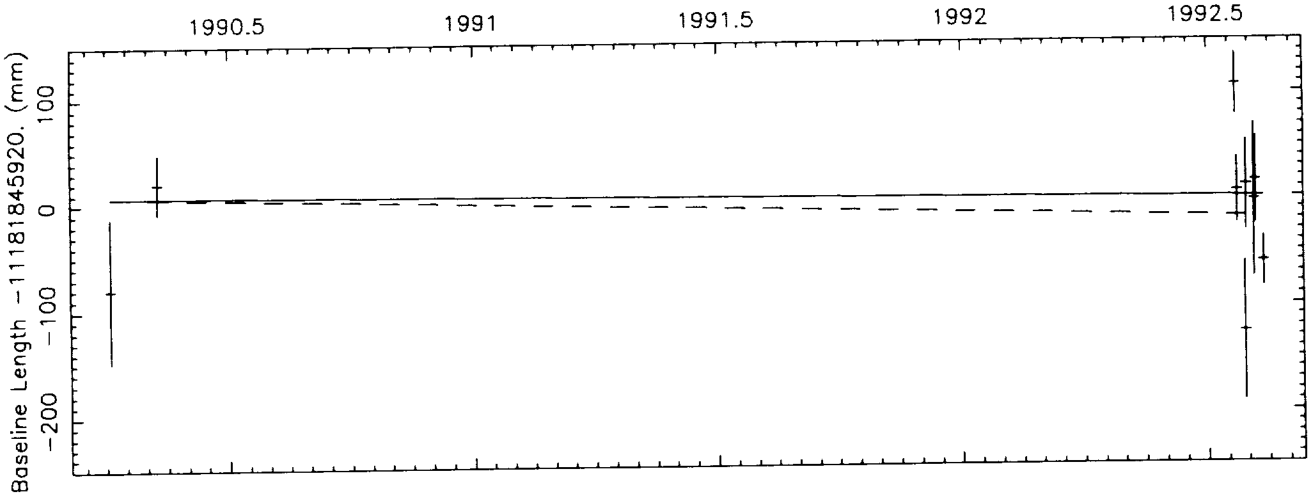
Wrms of fit = 46.7 mm

Reduced Chi square = 1.86

Vector baseline plots for HARTRAO –KASHIMA

Baseline length = 11181 kilometers

Number of sessions = 9



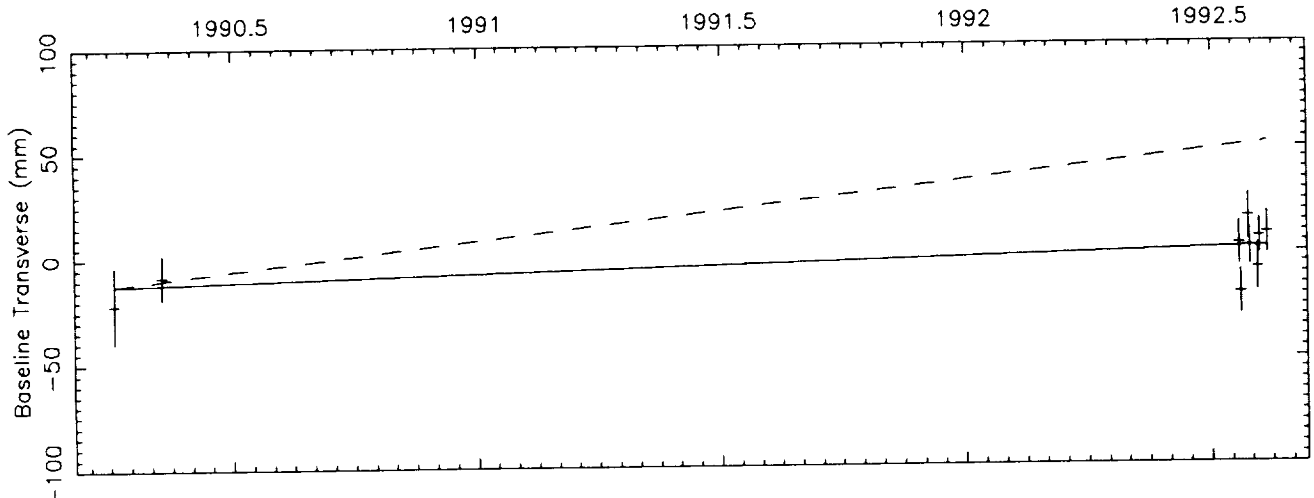
Observed Rate = –3.0 ± 25.4 mm/yr

NUVEL model rate = –11.2 mm/yr

Wrms of fit = 60.9 mm

Weighted mean length = 11181845921.6 mm

Reduced Chi square = 3.74

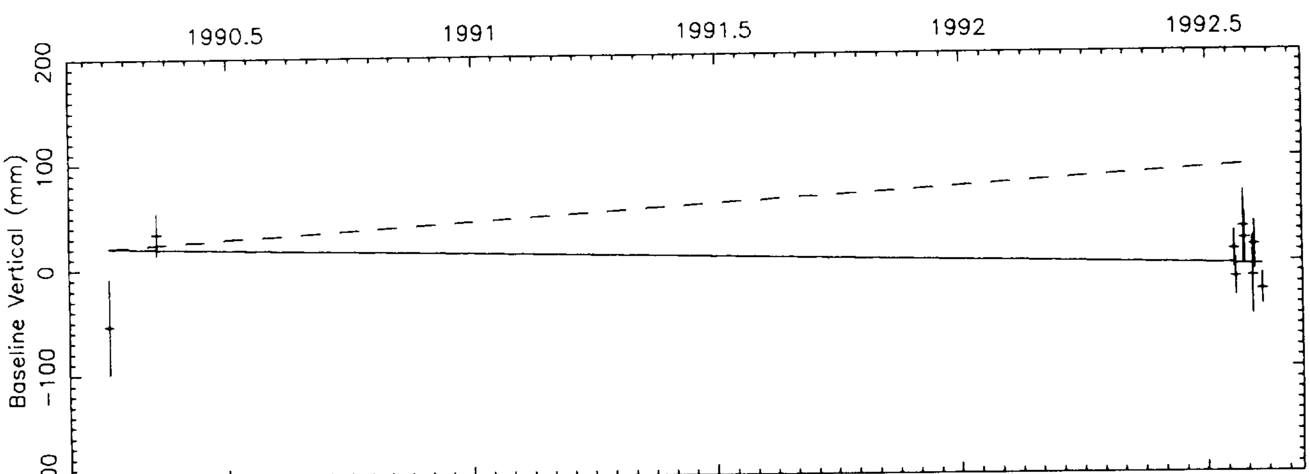


Observed Rate = 6.3 ± 4.6 mm/yr

NUVEL model rate = 27.4 mm/yr

Wrms of fit = 9.7 mm

Reduced Chi square = 1.13



Observed Rate = –10.3 ± 10.5 mm/yr

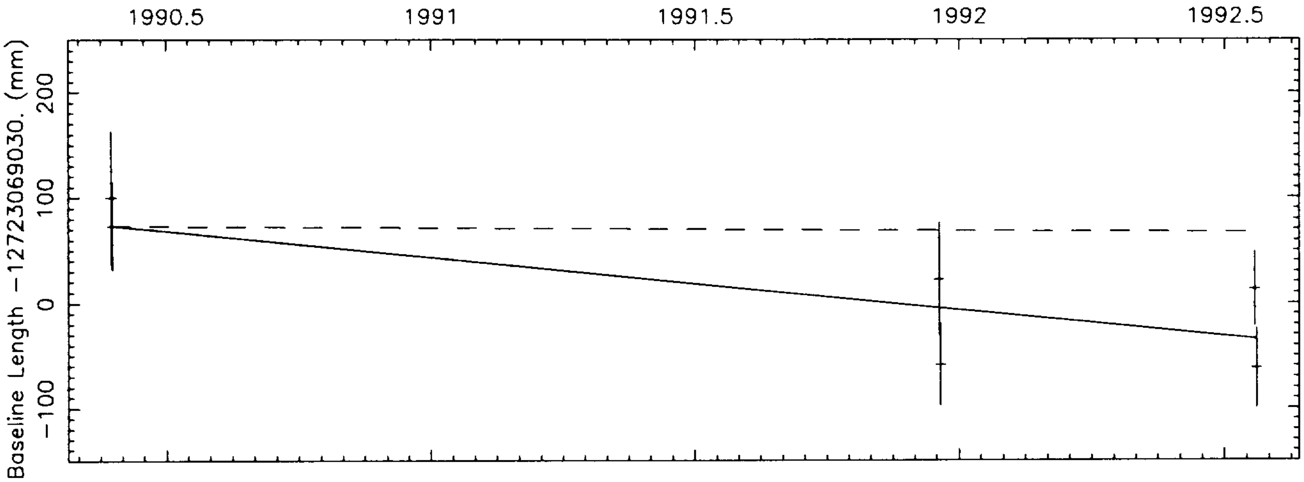
NUVEL model rate = 30.3 mm/yr

Wrms of fit = 22.4 mm

Reduced Chi square = 1.37

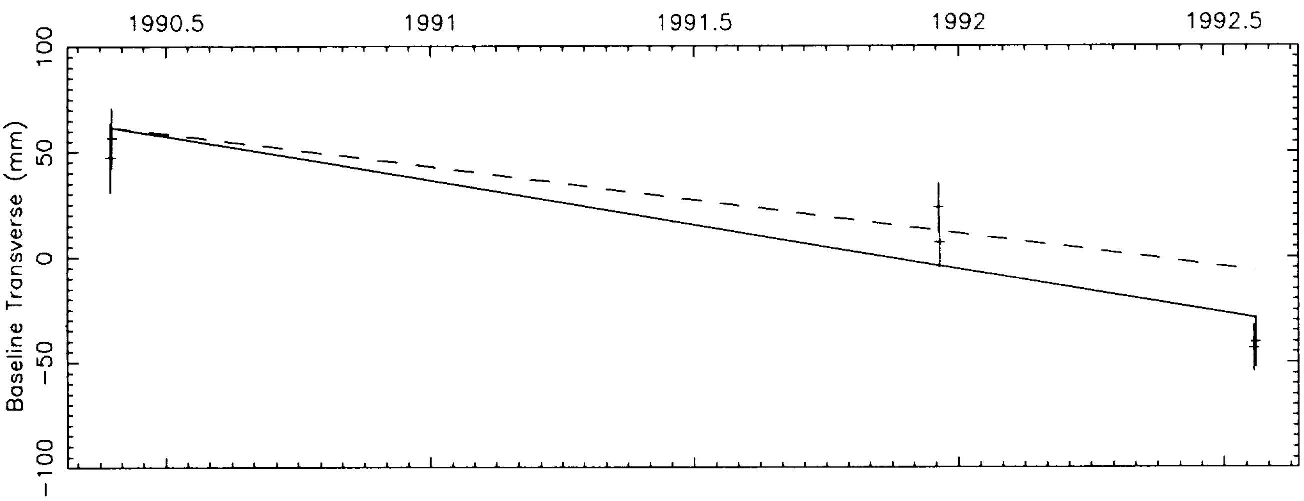
Vector baseline plots for HARTRAO –KAUAI

Baseline length = 12723 kilometers | Number of sessions = 6



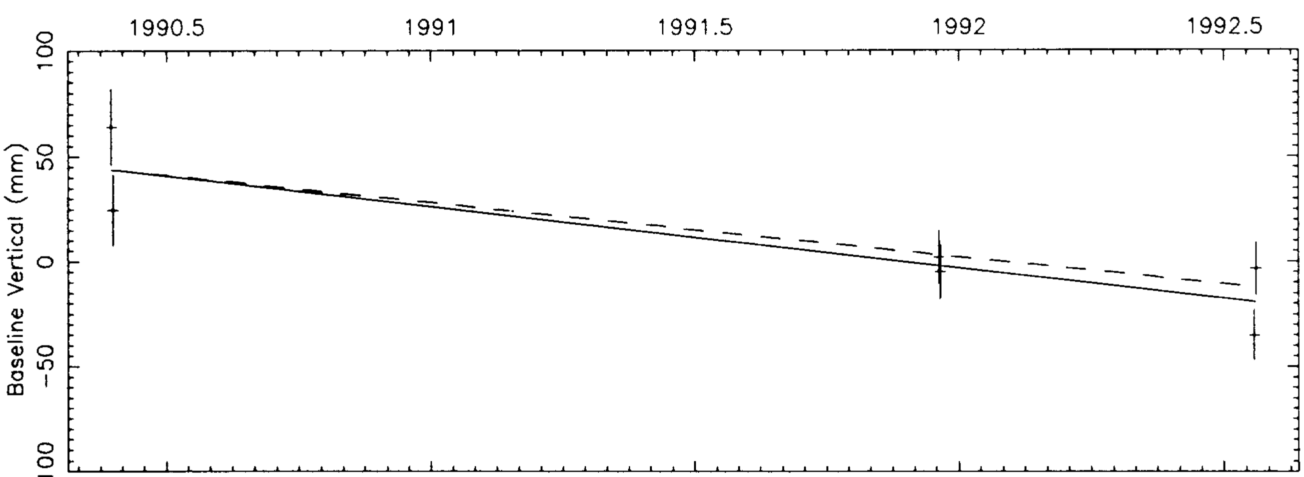
Observed Rate = –49.8 ± 21.6 mm/yr | Wrms of fit = 37.5 mm | Reduced Chi square = 1.18

NUVEL model rate = –3.0 mm/yr | Weighted mean length = 12723069031.2 mm



Observed Rate = –42.0 ± 9.8 mm/yr | Wrms of fit = 16.1 mm | Reduced Chi square = 2.53

NUVEL model rate = –31.5 mm/yr



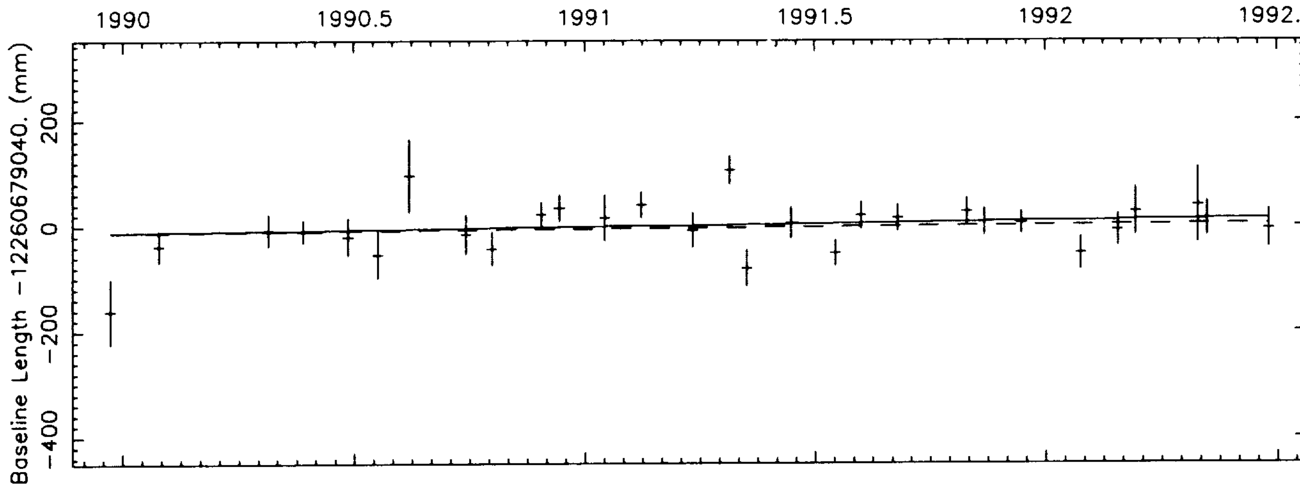
Observed Rate = –29.1 ± 8.5 mm/yr | Wrms of fit = 13.7 mm | Reduced Chi square = 1.51

NUVEL model rate = –25.8 mm/yr

Vector baseline plots for HARTRAO –MOJAVE12

Baseline length = 12260 kilometers

Number of sessions = 29



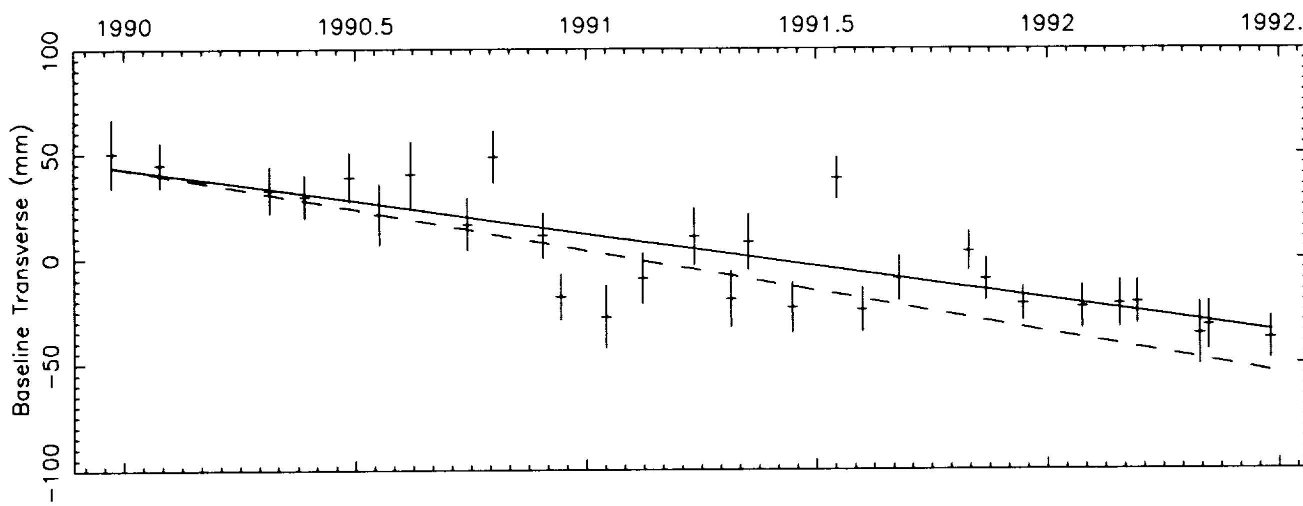
Observed Rate = 10.5 ± 11.7 mm/yr

NUVEL model rate = 6.7 mm/yr

Wrms of fit = 39.2 mm

Weighted mean length = 12260679041.3 mm

Reduced Chi square = 1.83

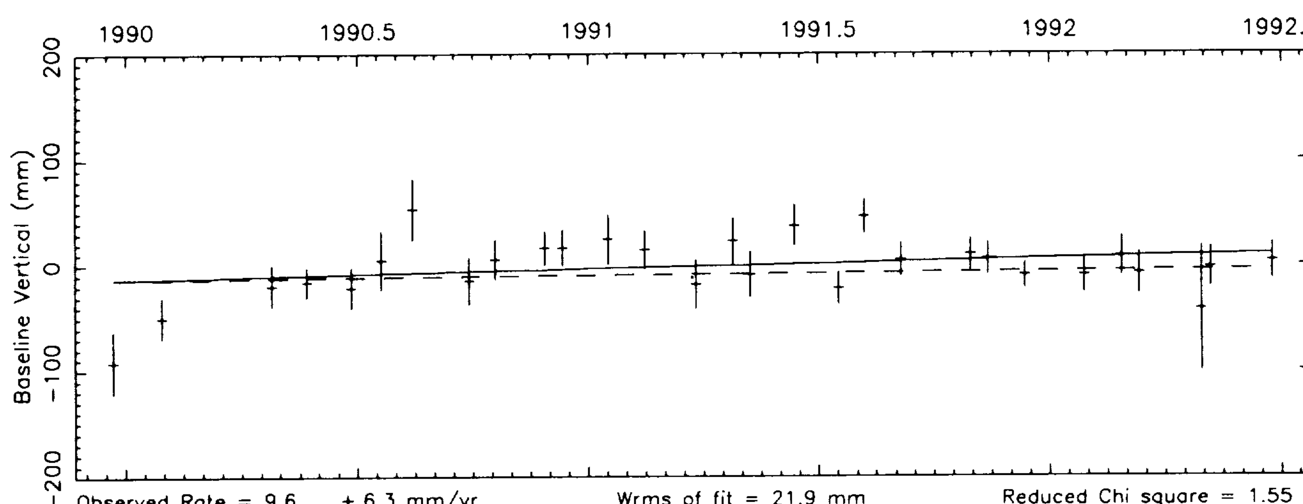


Observed Rate = –31.2 ± 4.4 mm/yr

NUVEL model rate = –39.0 mm/yr

Wrms of fit = 16.2 mm

Reduced Chi square = 2.13



Observed Rate = 9.6 ± 6.3 mm/yr

NUVEL model rate = 3.7 mm/yr

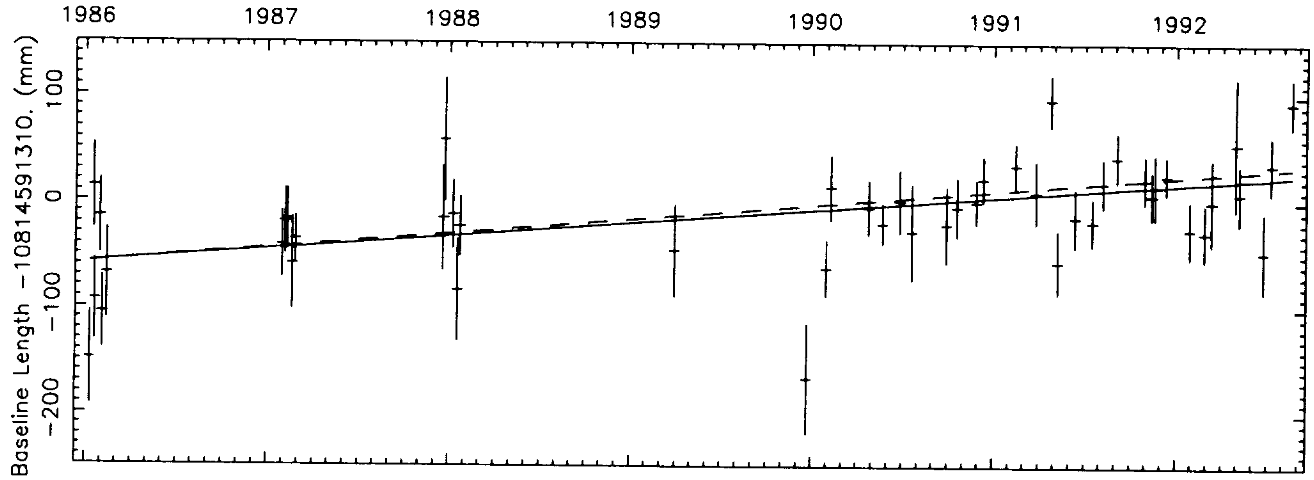
Wrms of fit = 21.9 mm

Reduced Chi square = 1.55

Vector baseline plots for HARTRAO –RICHMOND

Baseline length = 10814 kilometers

Number of sessions = 48



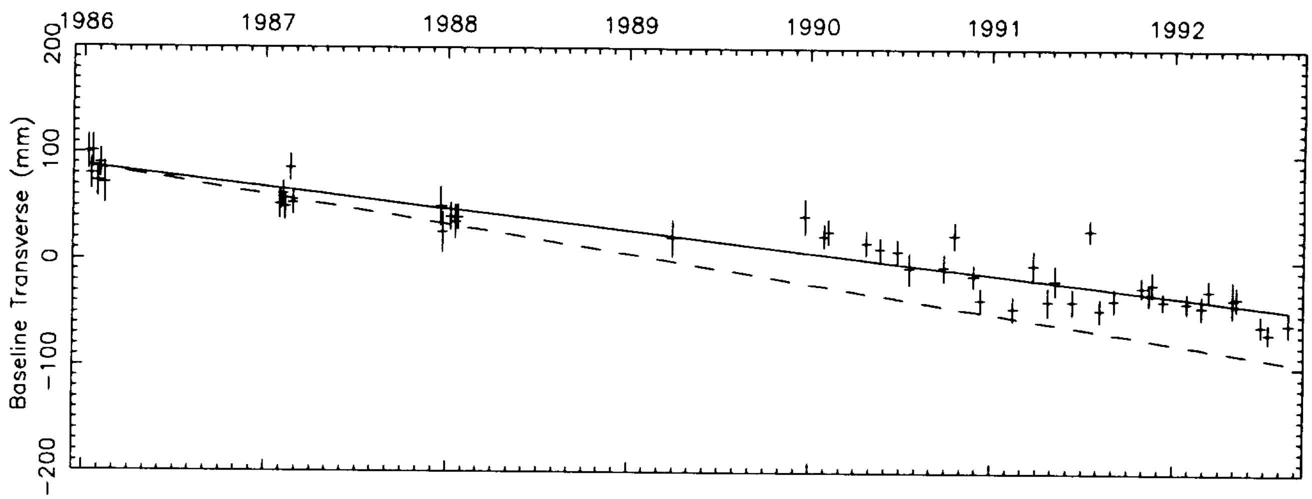
Observed Rate = 12.5 ± 2.7 mm/yr

NUVEL model rate = 13.7 mm/yr

Wrms of fit = 36.3 mm

Weighted mean length = 10814591306.8 mm

Reduced Chi square = 1.72

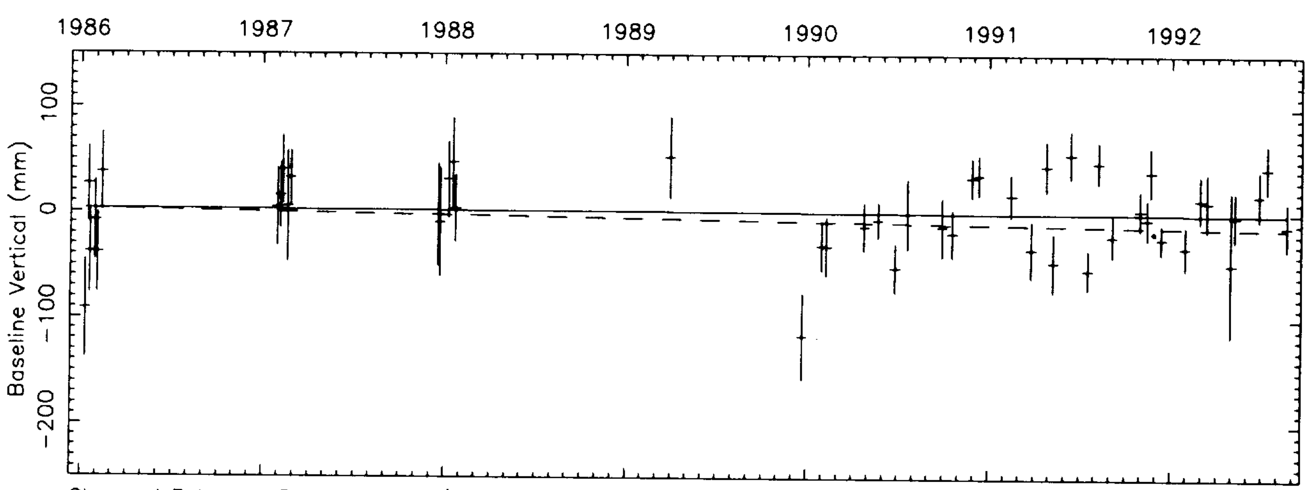


Observed Rate = –20.3 ± 1.2 mm/yr

NUVEL model rate = –27.7 mm/yr

Wrms of fit = 16.8 mm

Reduced Chi square = 2.00



Observed Rate = –.5 ± 2.8 mm/yr

NUVEL model rate = –2.6 mm/yr

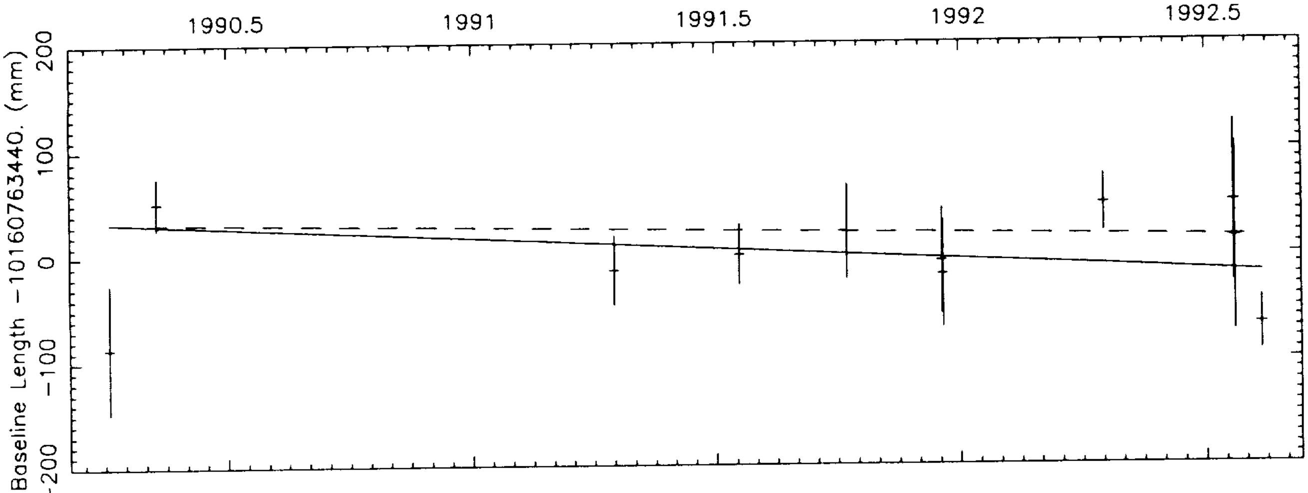
Wrms of fit = 32.8 mm

Reduced Chi square = 1.81

Vector baseline plots for HARTRAO -SESHAN25

Baseline length = 10160 kilometers

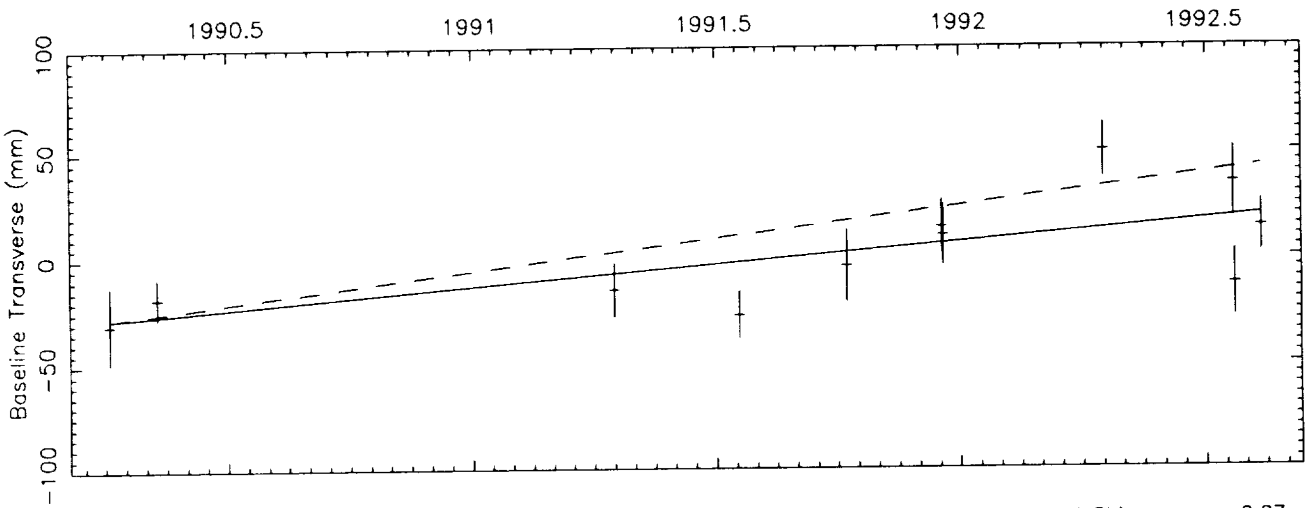
Number of sessions = 11



Observed Rate = -21.4 ± 16.8 mm/yr
NUVEL model rate = -7.3 mm/yr

Wrms of fit = 41.4 mm
Weighted mean length = 10160763442.7 mm

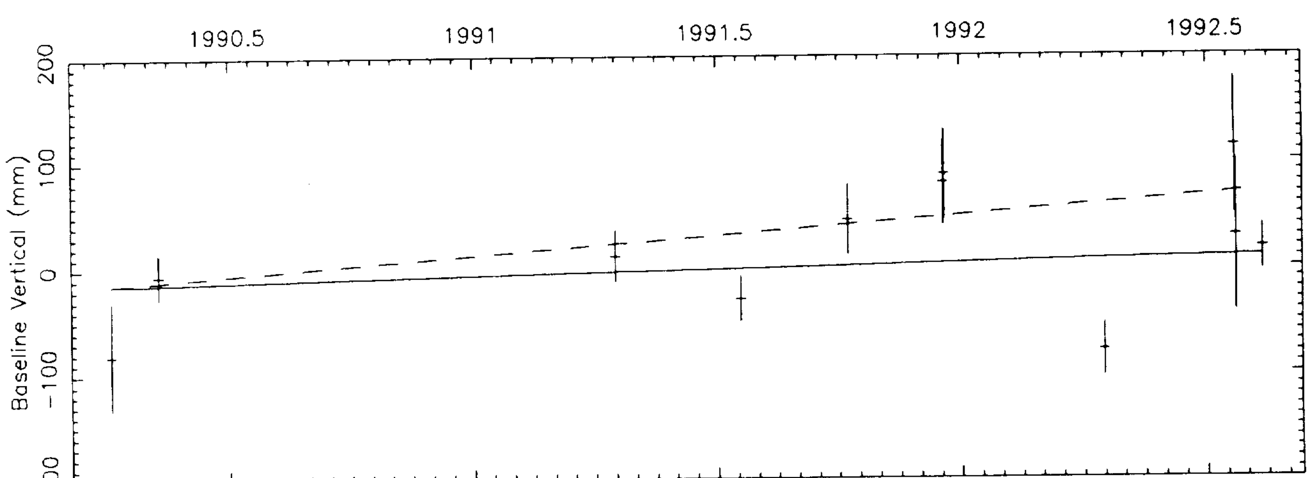
Reduced Chi square = 1.63



Observed Rate = 20.3 ± 7.4 mm/yr
NUVEL model rate = 30.1 mm/yr

Wrms of fit = 17.9 mm

Reduced Chi square = 2.27



Observed Rate = 10.7 ± 19.8 mm/yr
NUVEL model rate = 36.4 mm/yr

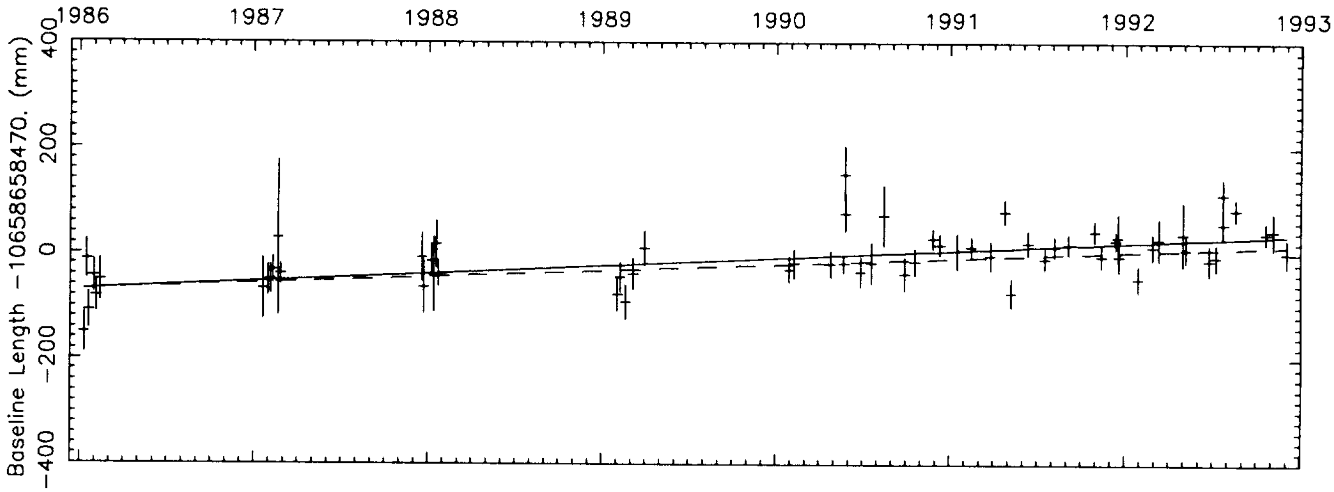
Wrms of fit = 46.6 mm

Reduced Chi square = 3.10

Vector baseline plots for HARTRAO –WESTFORD

Baseline length = 10658 kilometers

Number of sessions = 63



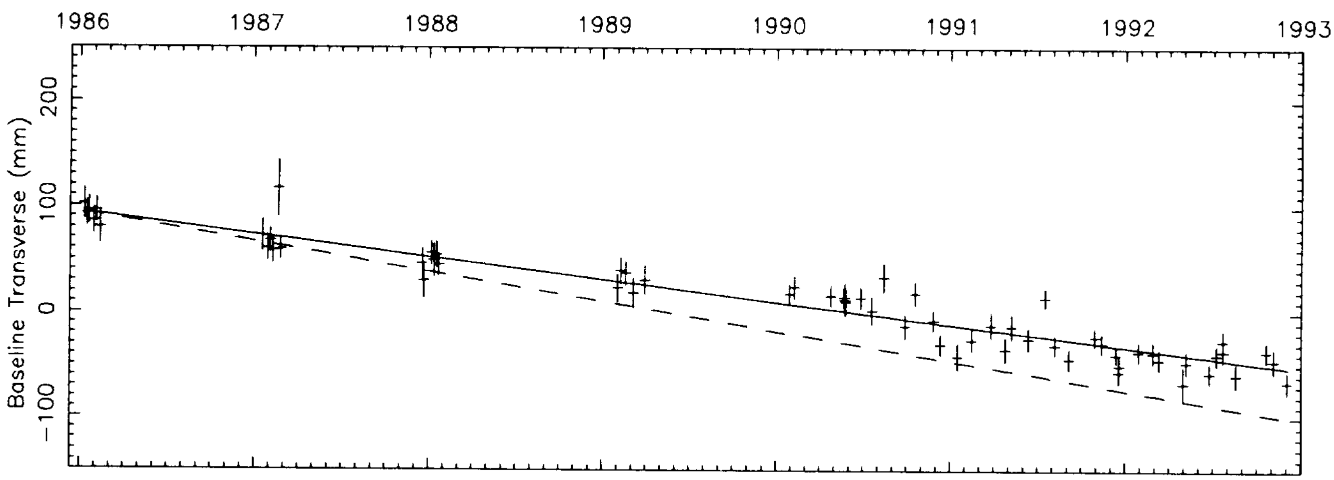
Observed Rate = 14.9 ± 2.2 mm/yr

NUVEL model rate = 12.0 mm/yr

Wrms of fit = 33.9 mm

Weighted mean length = 10658658468.1 mm

Reduced Chi square = 1.67

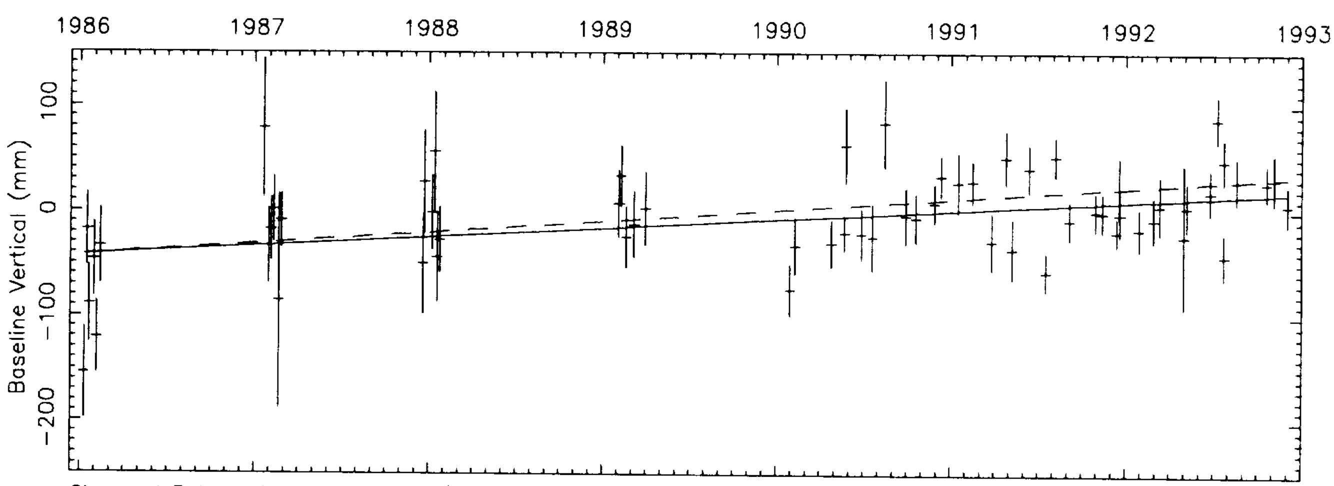


Observed Rate = –21.1 ± .9 mm/yr

NUVEL model rate = –28.1 mm/yr

Wrms of fit = 13.6 mm

Reduced Chi square = 1.59



Observed Rate = 8.6 ± 2.5 mm/yr

NUVEL model rate = 10.9 mm/yr

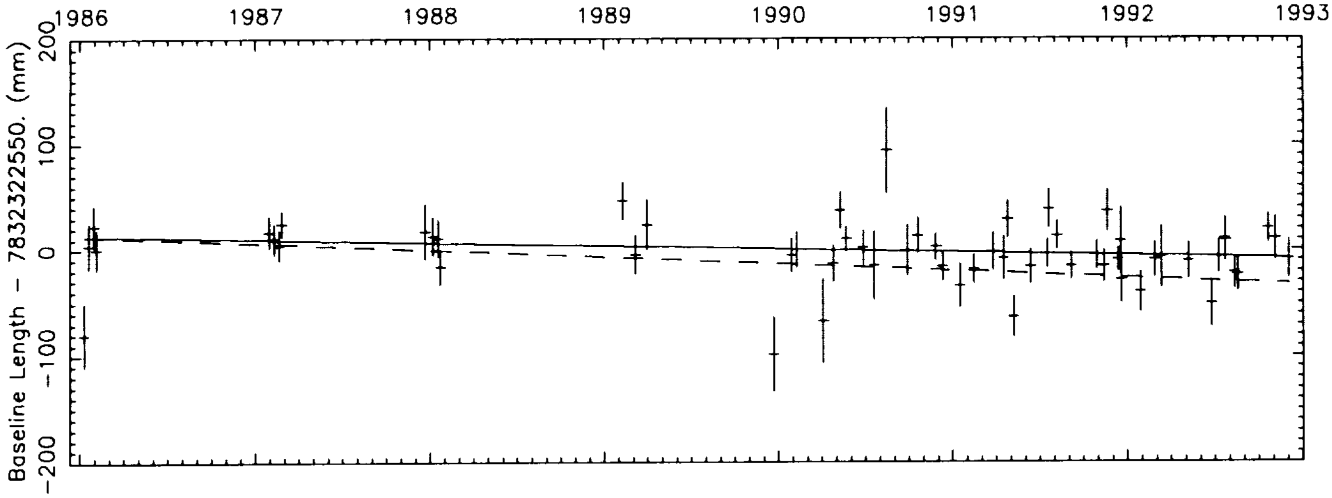
Wrms of fit = 34.0 mm

Reduced Chi square = 1.96

Vector baseline plots for HARTRAO –WETTZELL

Baseline length = 7832 kilometers

Number of sessions = 59



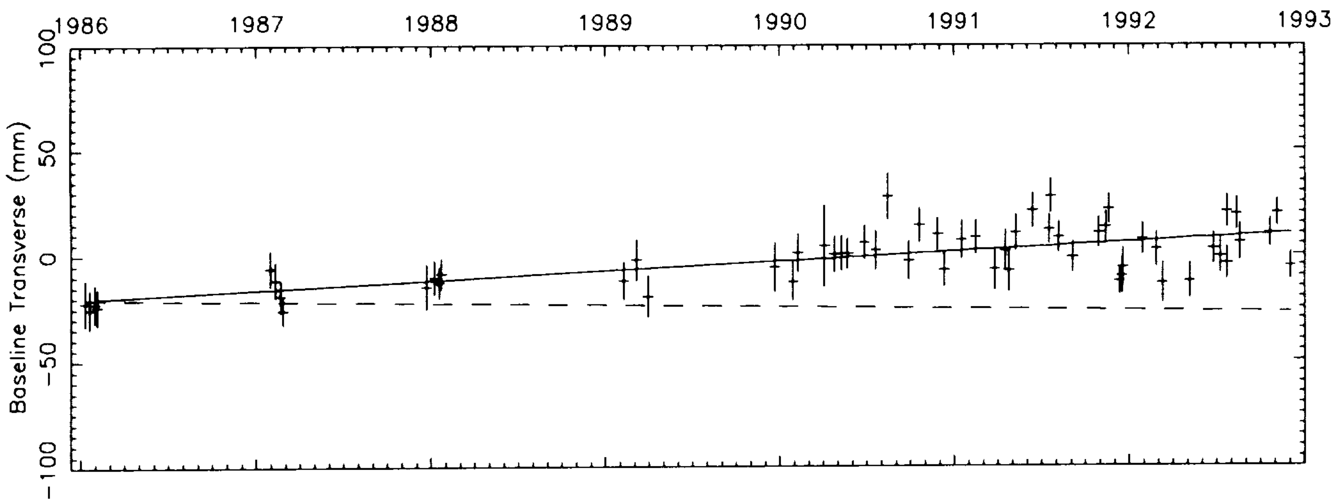
Observed Rate = -3.1 ± 1.5 mm/yr

NUVEL model rate = -6.6 mm/yr

Wrms of fit = 21.5 mm

Weighted mean length = 7832322548.7 mm

Reduced Chi square = 1.67

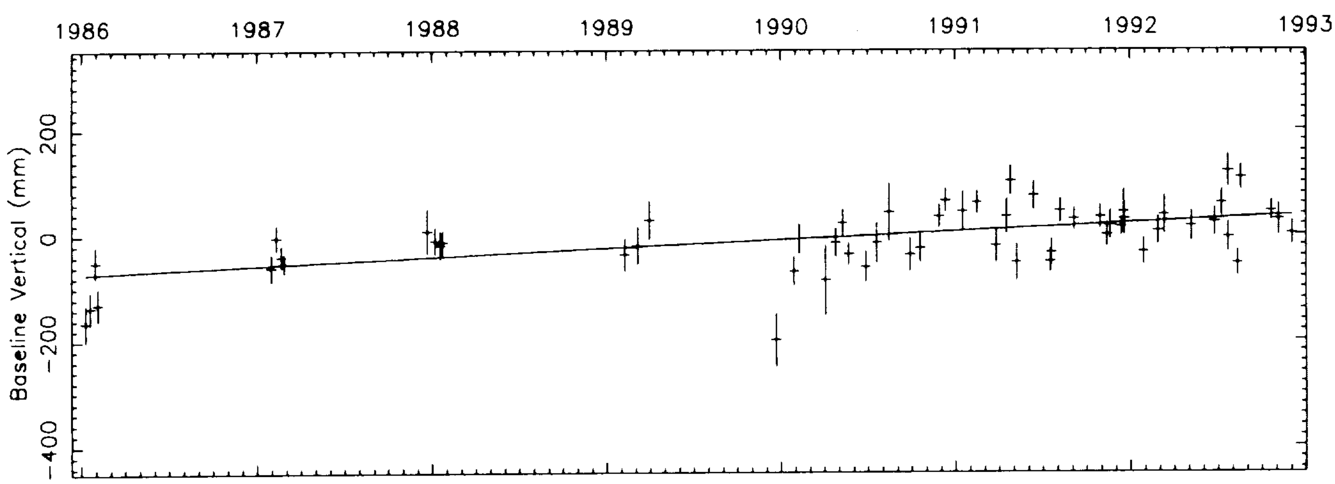


Observed Rate = 4.4 ± .7 mm/yr

NUVEL model rate = -1.0 mm/yr

Wrms of fit = 10.0 mm

Reduced Chi square = 1.58



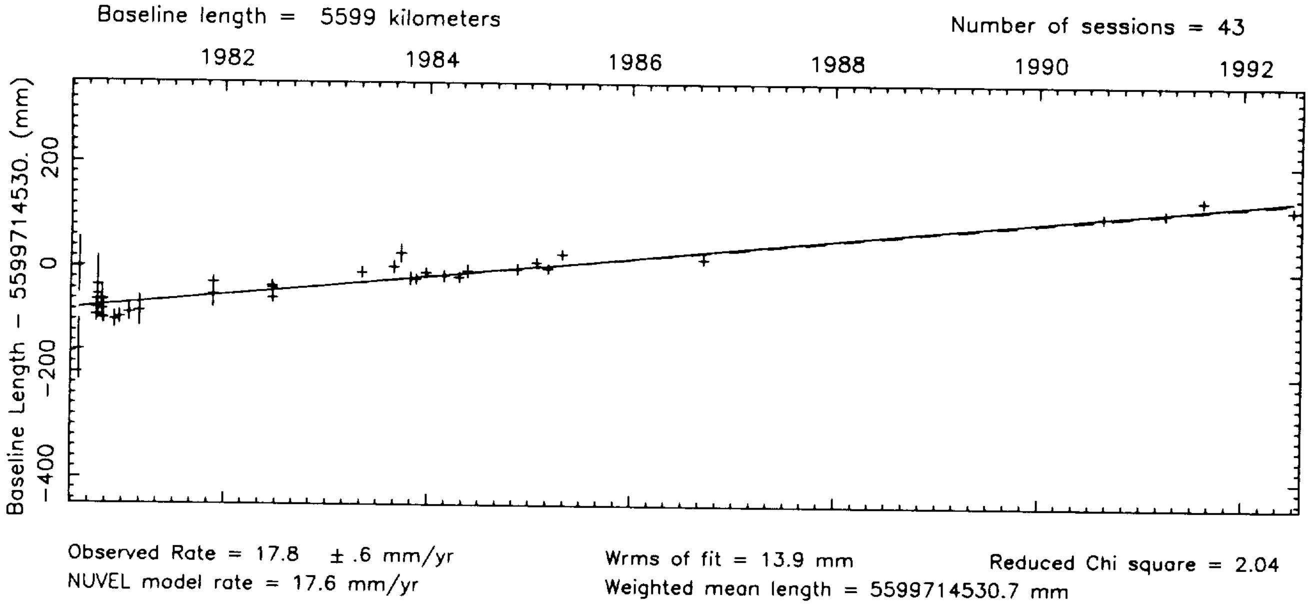
Observed Rate = 15.8 ± 2.9 mm/yr

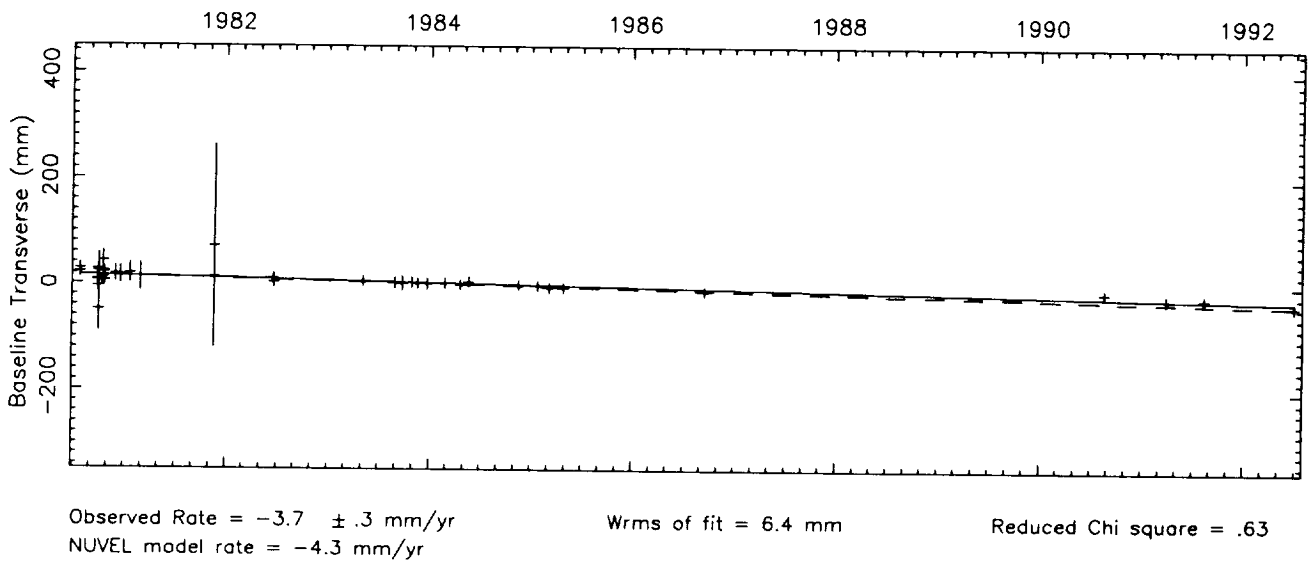
NUVEL model rate = 15.7 mm/yr

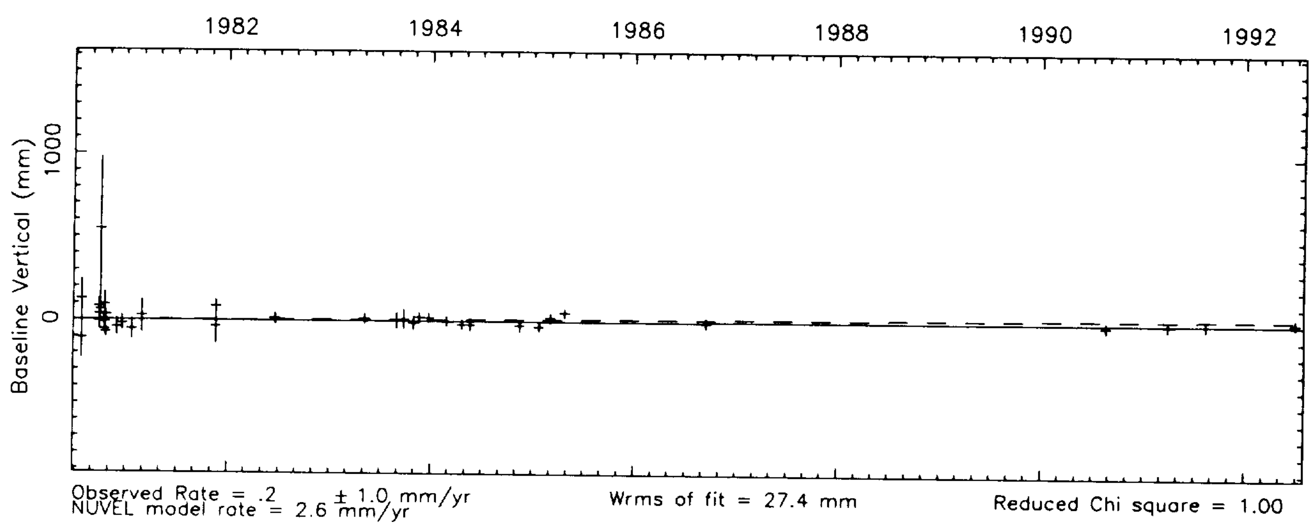
Wrms of fit = 43.1 mm

Reduced Chi square = 2.75

Vector baseline plots for HAYSTACK–ONSALA60



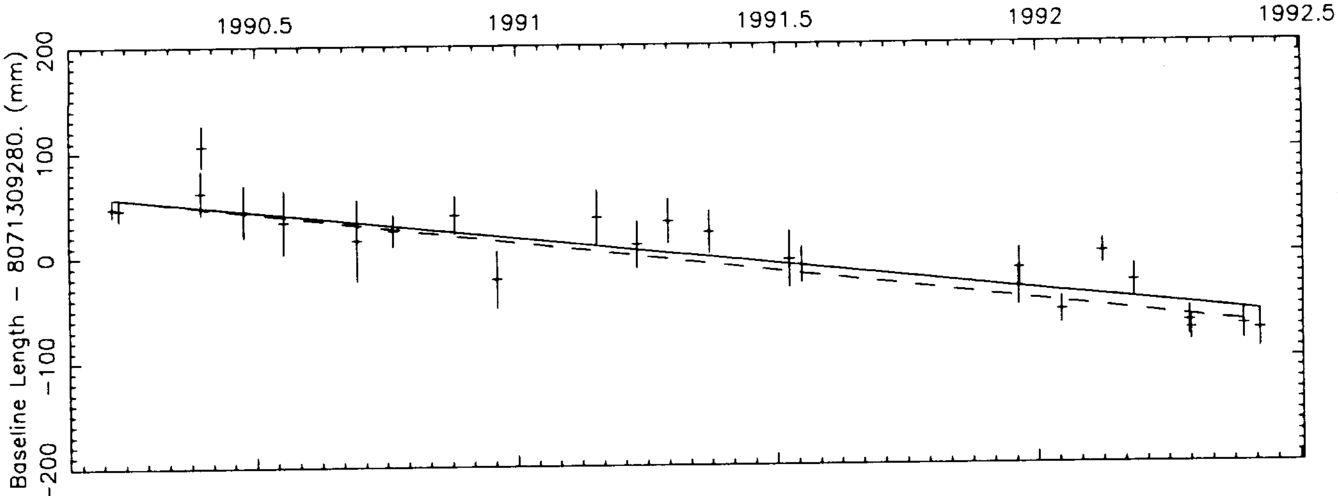




Vector baseline plots for HOBART26–KASHIM34

Baseline length = 8071 kilometers

Number of sessions = 25



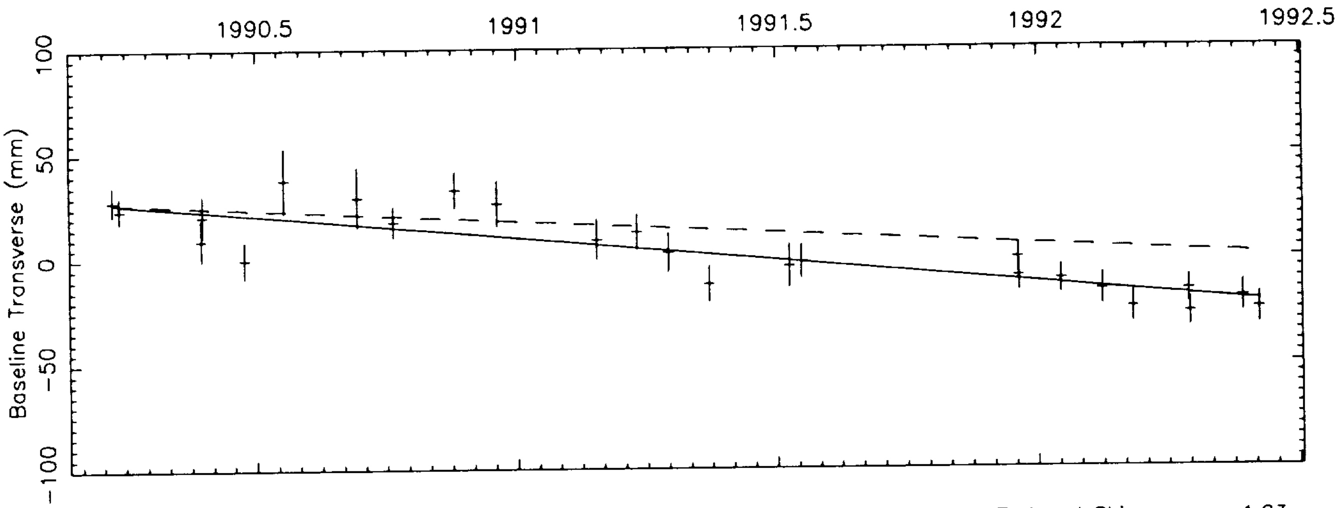
Observed Rate = –51.3 ± 5.0 mm/yr

NUVEL model rate = –56.8 mm/yr

Wrms of fit = 20.8 mm

Weighted mean length = 8071309281.1 mm

Reduced Chi square = 1.87

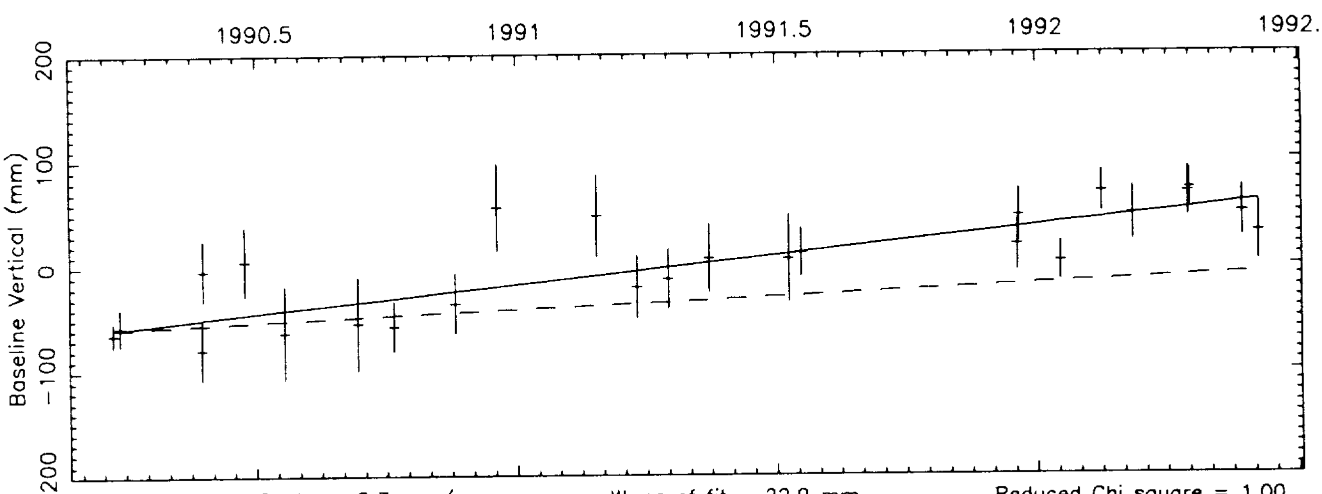


Observed Rate = –22.0 ± 2.3 mm/yr

NUVEL model rate = –11.7 mm/yr

Wrms of fit = 8.5 mm

Reduced Chi square = 1.23



Observed Rate = 54.4 ± 5.7 mm/yr

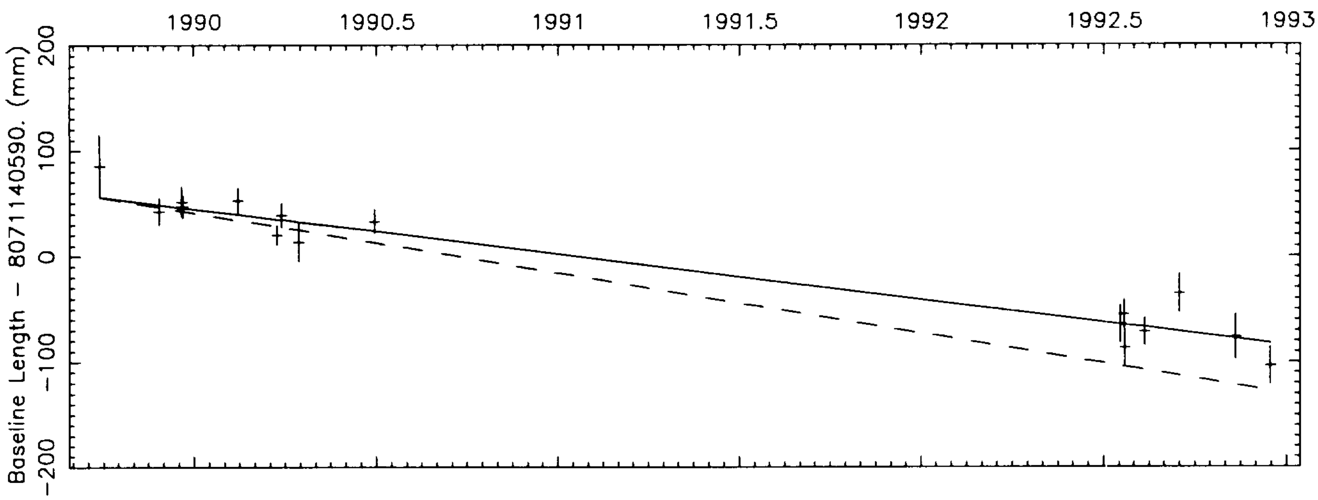
NUVEL model rate = 23.5 mm/yr

Wrms of fit = 22.9 mm

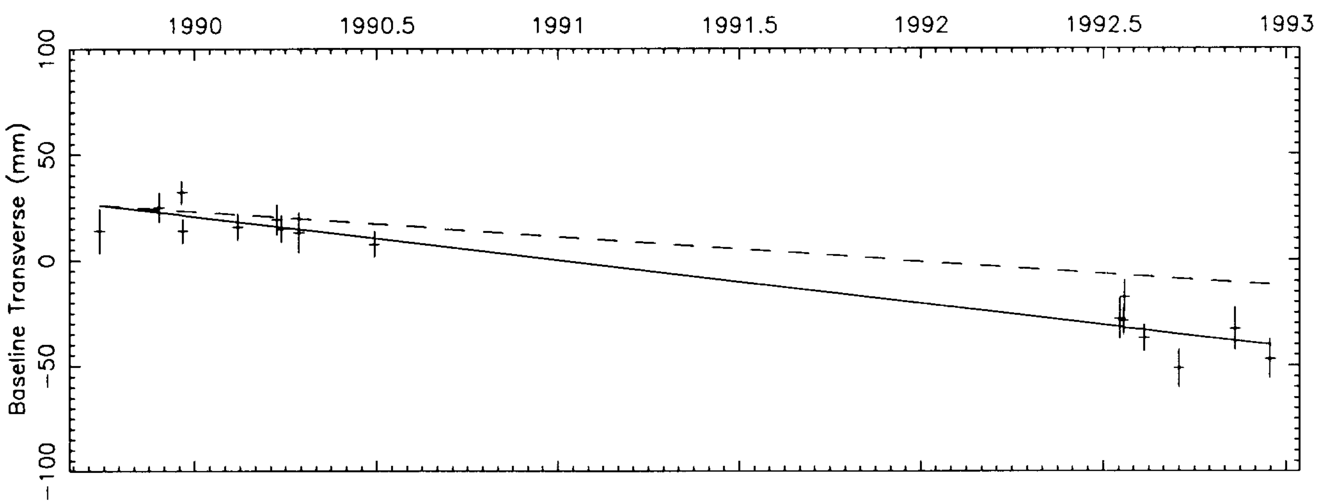
Reduced Chi square = 1.00

Vector baseline plots for HOBART26–KASHIMA

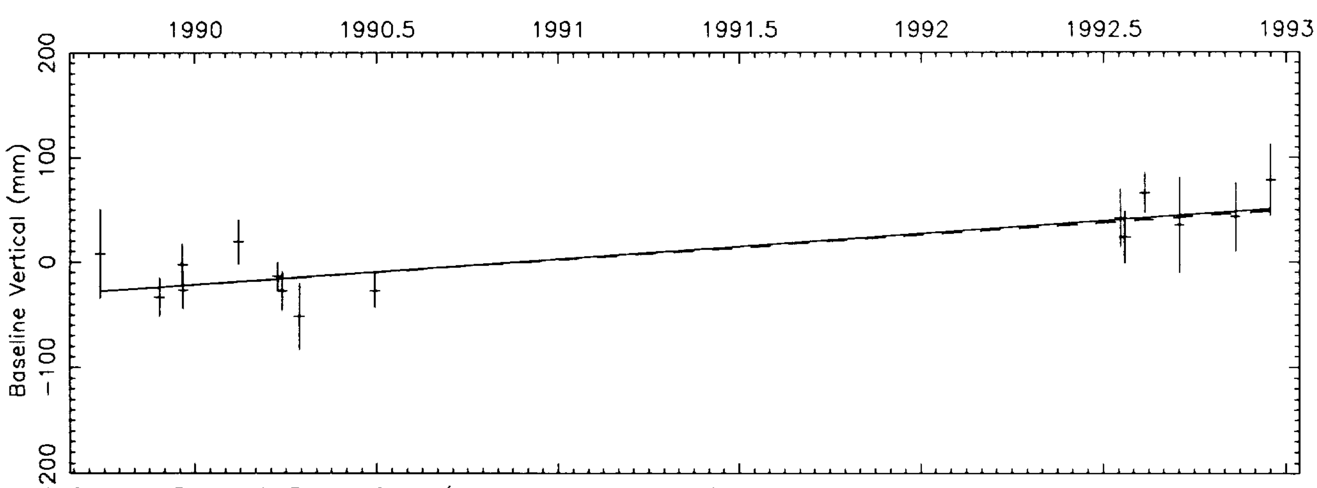
Baseline length = 8071 kilometers Number of sessions = 16



Observed Rate = −42.8 ± 3.0 mm/yr Wrms of fit = 13.3 mm Reduced Chi square = 1.08
NUVEL model rate = −56.8 mm/yr Weighted mean length = 8071140594.8 mm



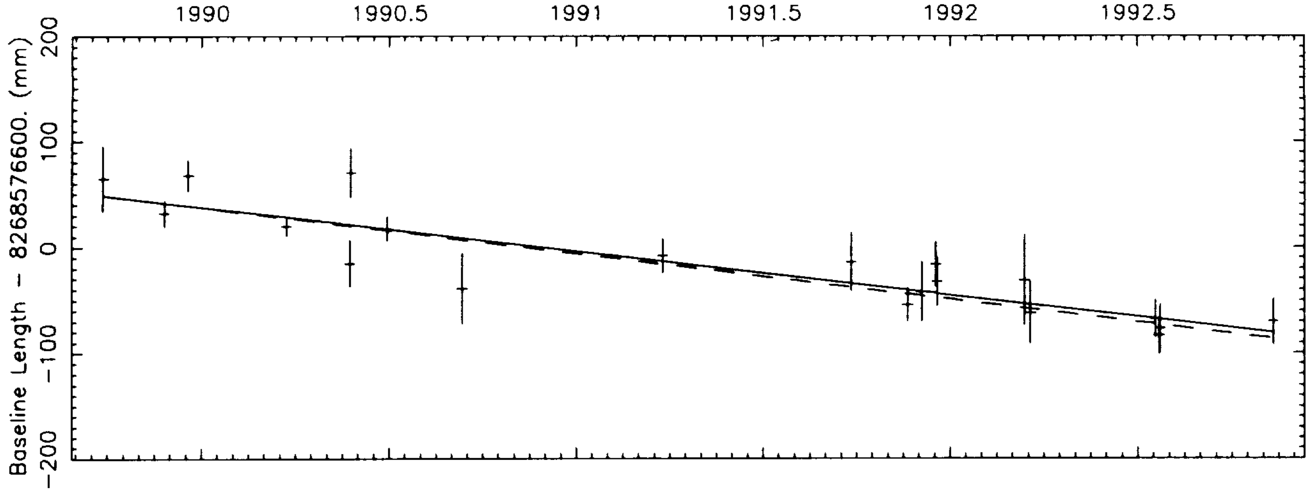
Observed Rate = −20.6 ± 1.5 mm/yr Wrms of fit = 7.1 mm Reduced Chi square = 1.09
NUVEL model rate = −11.7 mm/yr



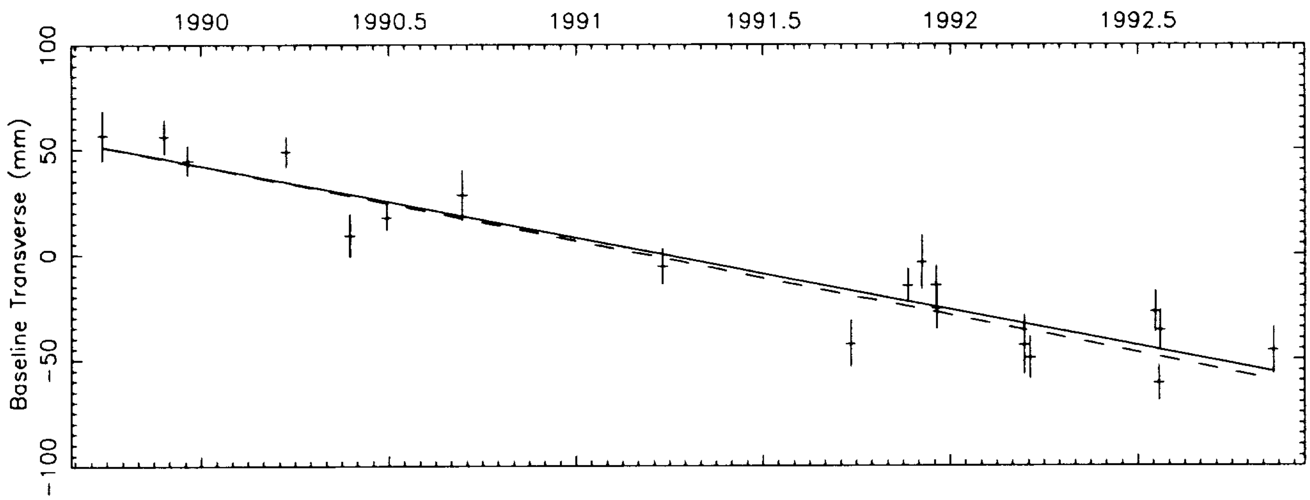
Observed Rate = 24.3 ± 4.2 mm/yr Wrms of fit = 18.2 mm Reduced Chi square = .85
NUVEL model rate = 23.5 mm/yr

Vector baseline plots for HOBART26–KAUAI

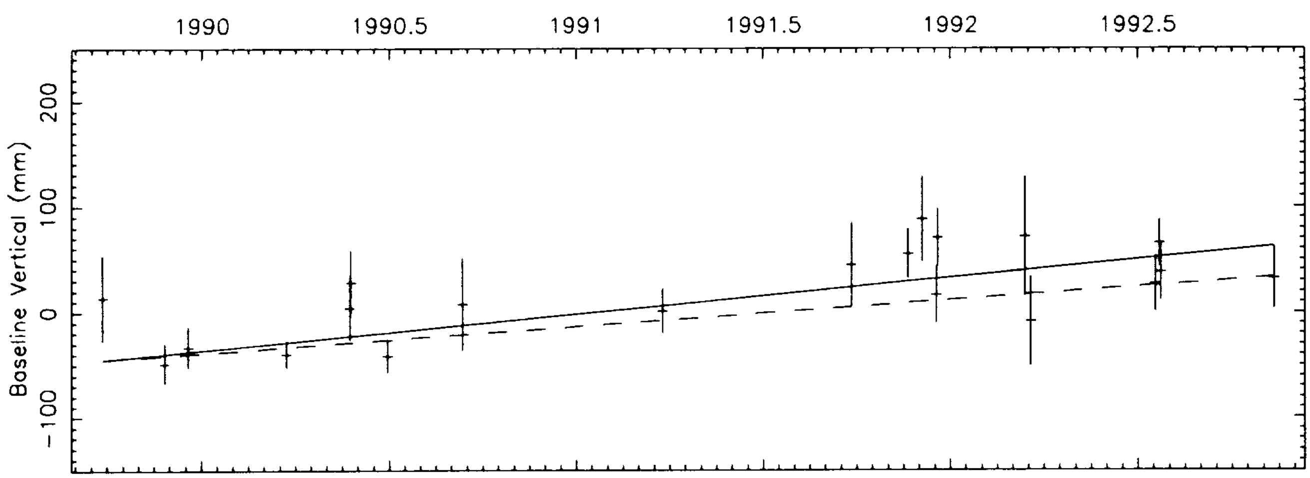
Baseline length = 8268 kilometers   Number of sessions = 20



Observed Rate = –41.5 ± 4.1 mm/yr   Wrms of fit = 17.5 mm   Reduced Chi square = 1.11
NUVEL model rate = –43.3 mm/yr   Weighted mean length = 8268576596.2 mm



Observed Rate = –34.3 ± 2.9 mm/yr   Wrms of fit = 12.5 mm   Reduced Chi square = 2.08
NUVEL model rate = –35.5 mm/yr

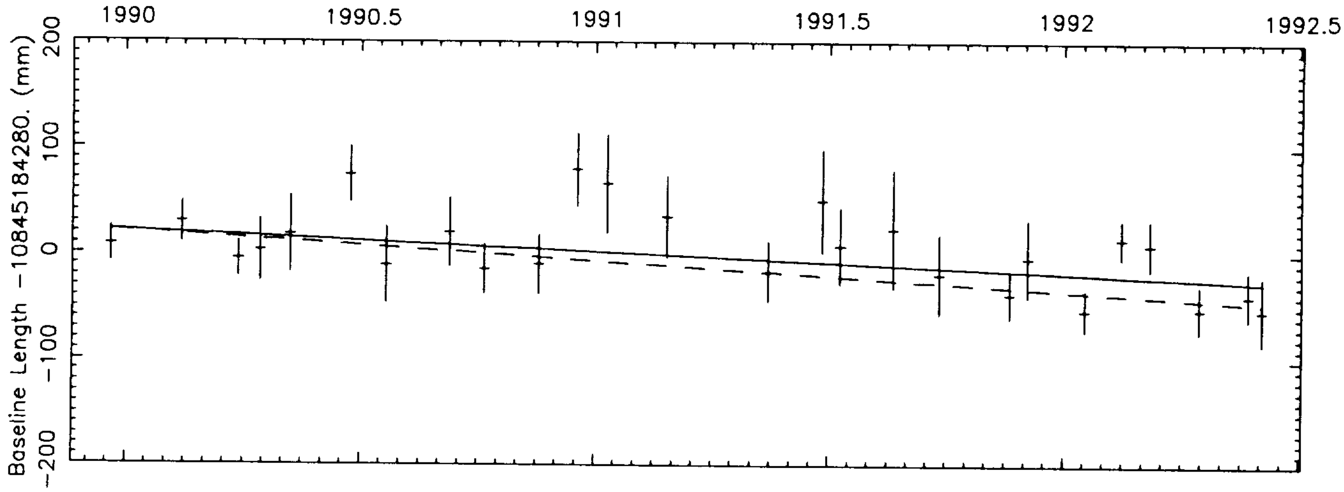


Observed Rate = 34.4 ± 5.5 mm/yr   Wrms of fit = 23.7 mm   Reduced Chi square = 1.06
NUVEL model rate = 25.0 mm/yr

Vector baseline plots for HOBART26–MOJAVE12

Baseline length = 10845 kilometers

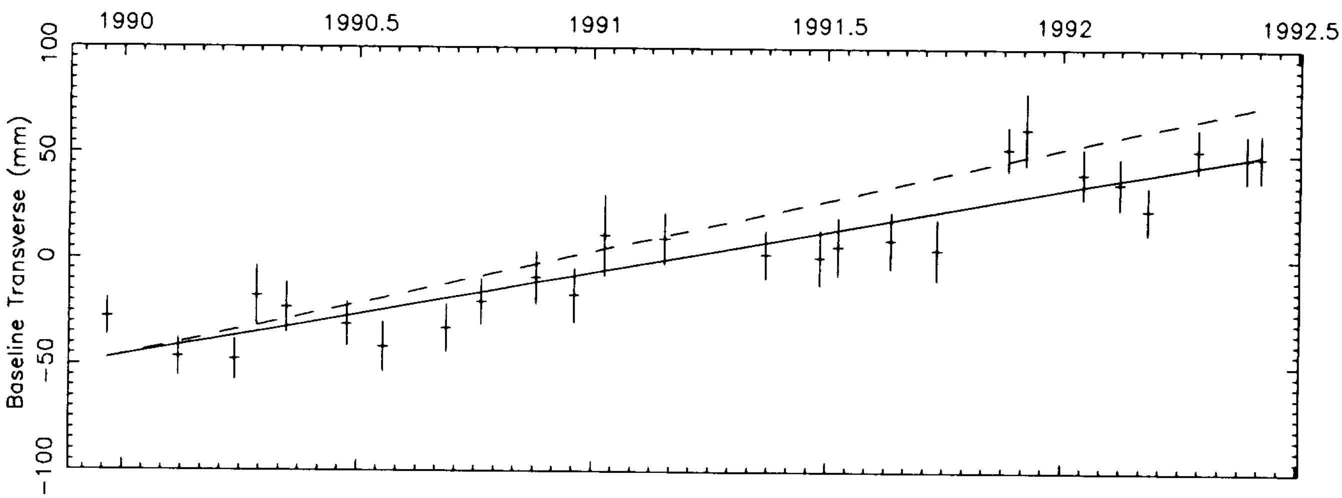
Number of sessions = 26



Observed Rate = –19.7 ± 6.7 mm/yr
NUVEL model rate = –27.9 mm/yr

Wrms of fit = 28.7 mm
Weighted mean length = 10845184278.0 mm

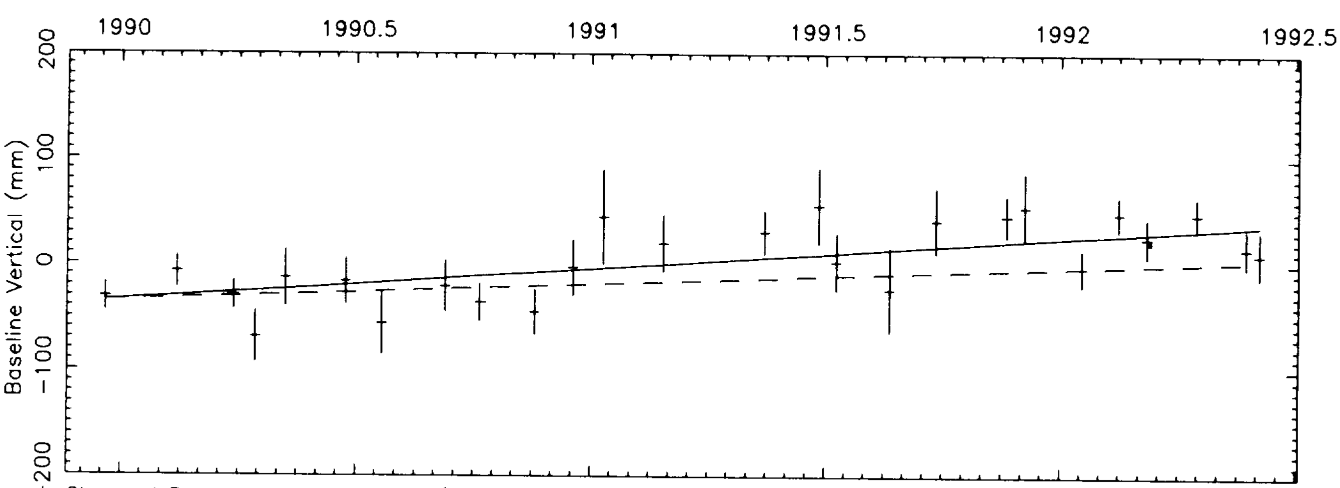
Reduced Chi square = 1.34



Observed Rate = 39.5 ± 3.1 mm/yr
NUVEL model rate = 49.1 mm/yr

Wrms of fit = 12.5 mm

Reduced Chi square = 1.25



Observed Rate = 29.3 ± 5.2 mm/yr
NUVEL model rate = 15.5 mm/yr

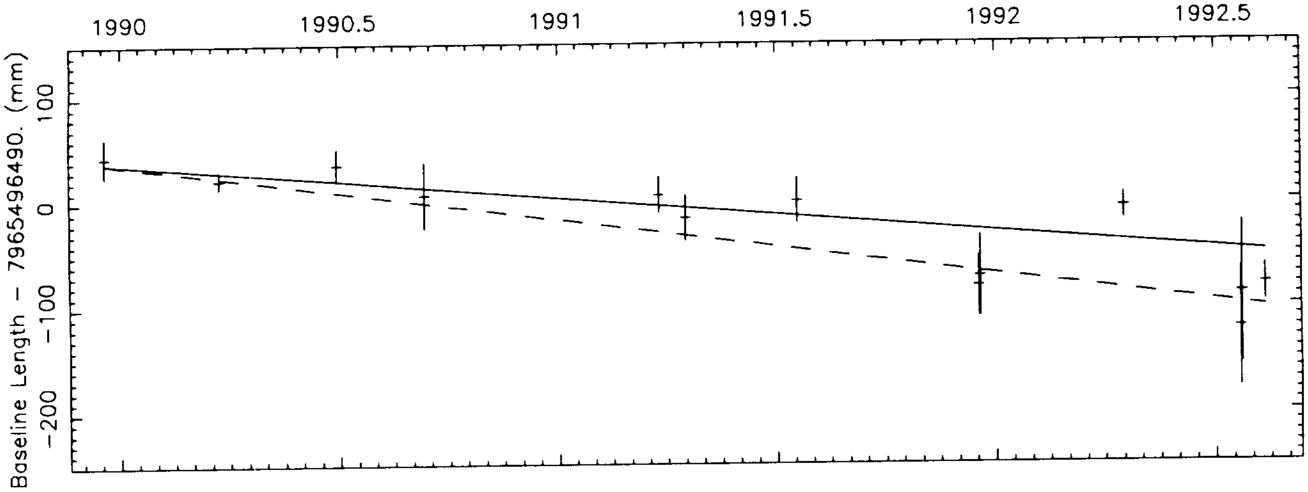
Wrms of fit = 22.1 mm

Reduced Chi square = 1.26

Vector baseline plots for HOBART26–SESHAN25

Baseline length = 7965 kilometers

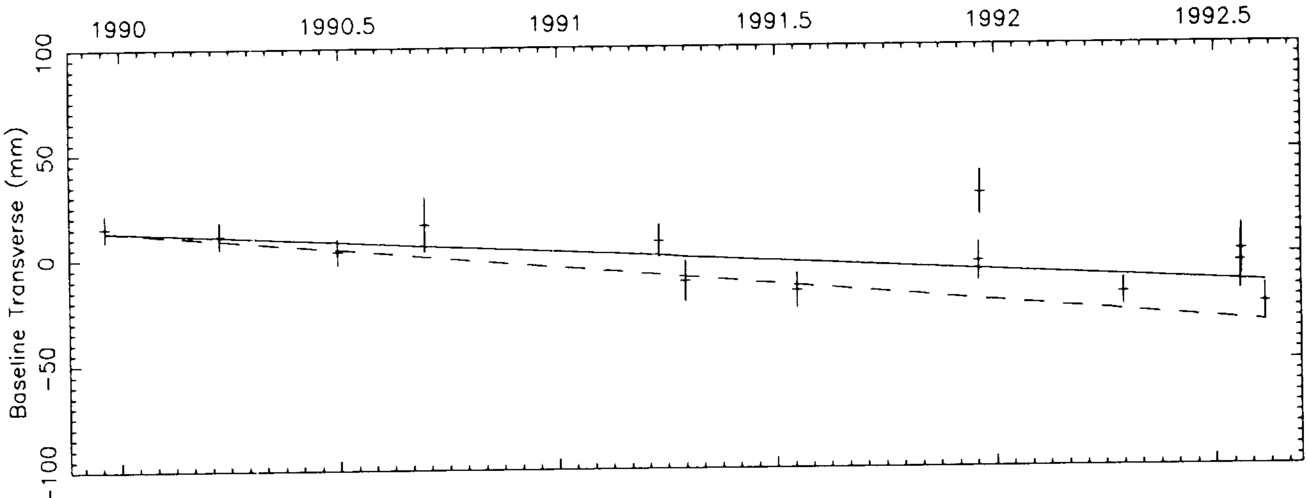
Number of sessions = 13



Observed Rate = –33.0 ± 7.0 mm/yr
NUVEL model rate = –53.1 mm/yr

Wrms of fit = 21.4 mm
Weighted mean length = 7965496492.8 mm

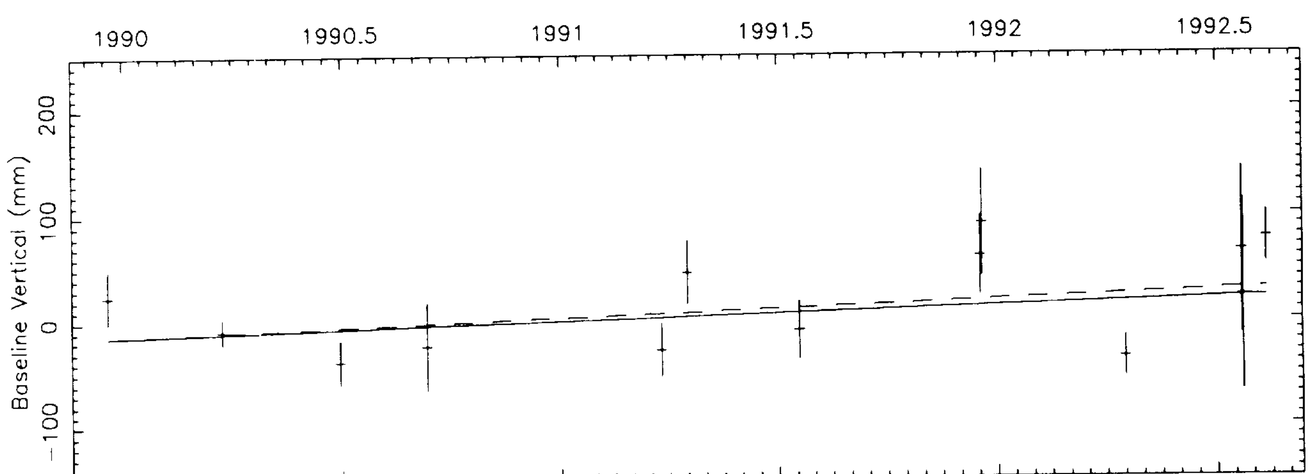
Reduced Chi square = 1.75



Observed Rate = –10.1 ± 3.6 mm/yr
NUVEL model rate = –17.2 mm/yr

Wrms of fit = 11.0 mm

Reduced Chi square = 2.05



Observed Rate = 13.4 ± 11.6 mm/yr
NUVEL model rate = 16.4 mm/yr

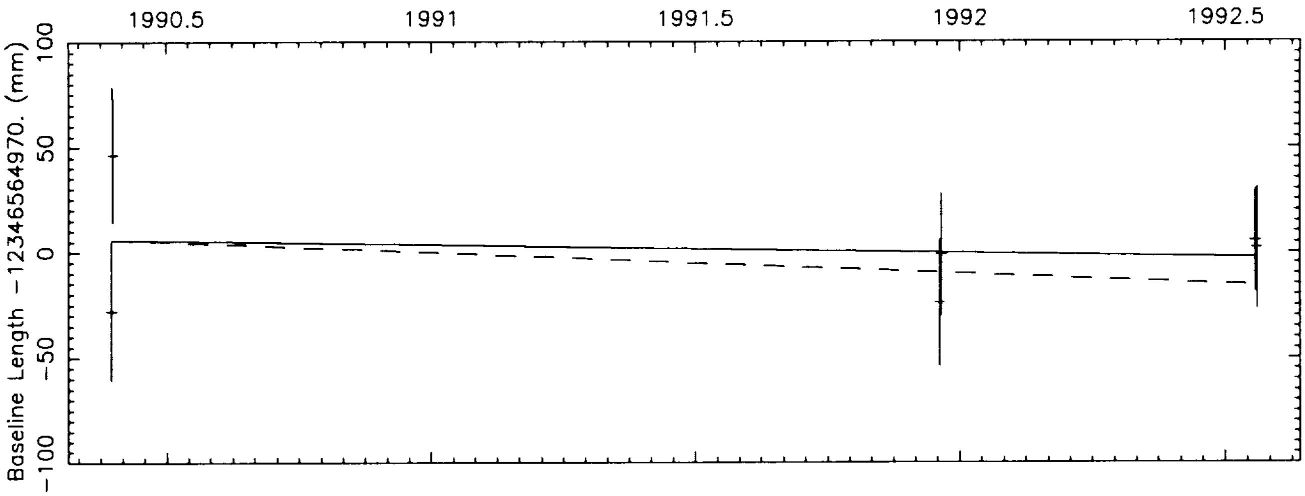
Wrms of fit = 35.2 mm

Reduced Chi square = 2.35

Vector baseline plots for HOBART26–WESTFORD

Baseline length = 12346 kilometers

Number of sessions = 6



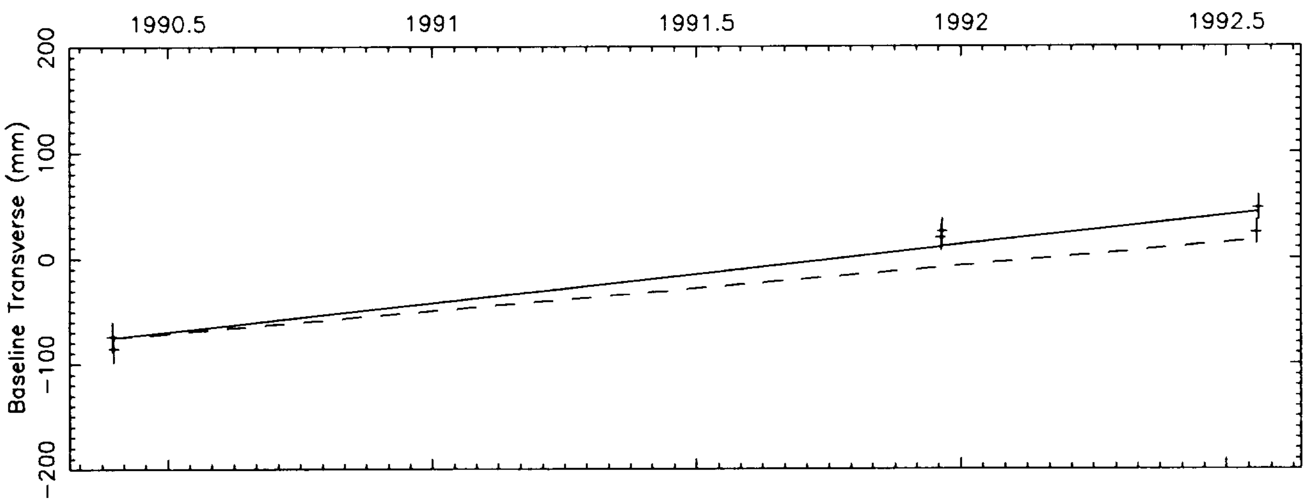
Observed Rate = −3.9 ± 12.5 mm/yr

NUVEL model rate = −9.9 mm/yr

Wrms of fit = 21.8 mm

Weighted mean length = 12346564970.4 mm

Reduced Chi square = .85

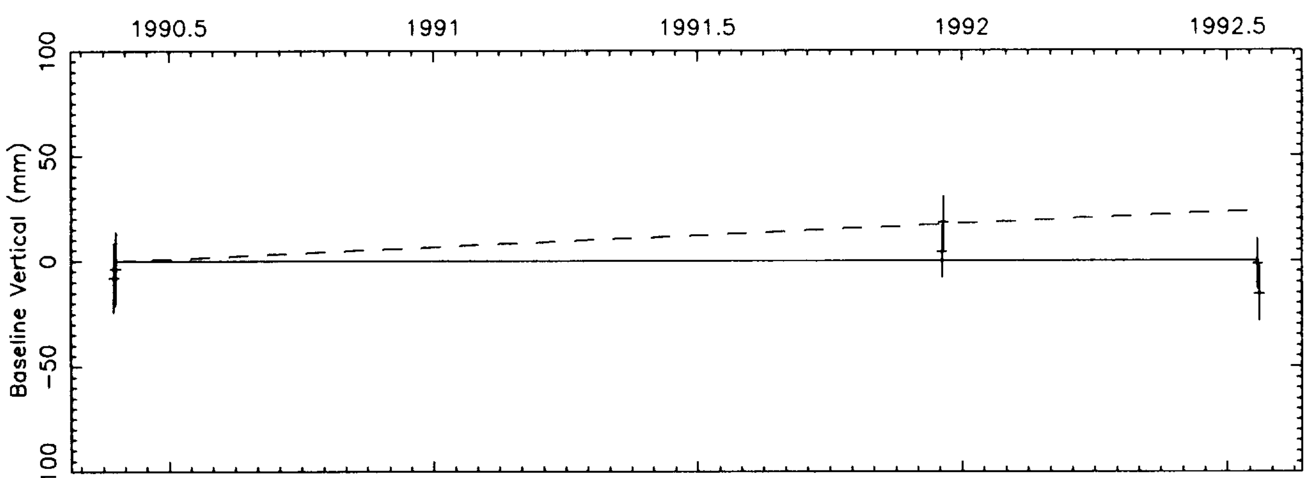


Observed Rate = 54.9 ± 6.8 mm/yr

NUVEL model rate = 42.6 mm/yr

Wrms of fit = 11.8 mm

Reduced Chi square = 1.36



Observed Rate = .1 ± 6.8 mm/yr

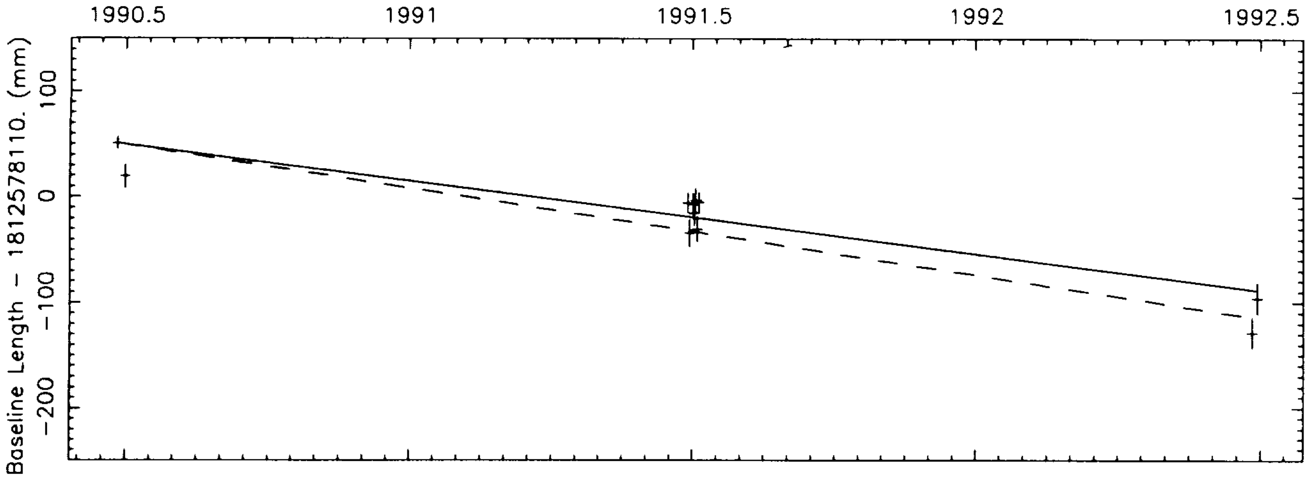
NUVEL model rate = 11.0 mm/yr

Wrms of fit = 11.0 mm

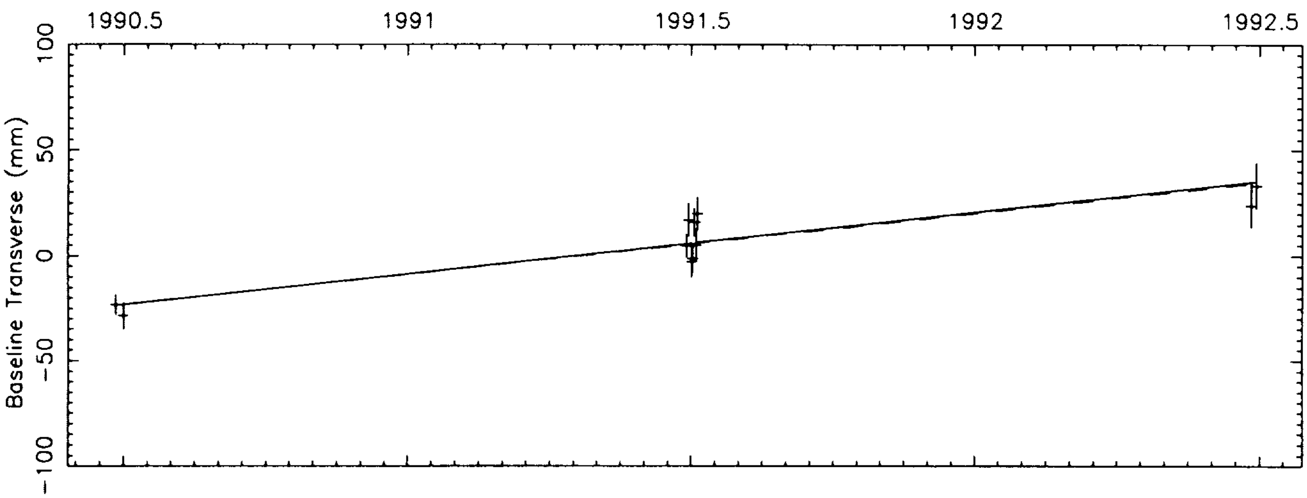
Reduced Chi square = .99

Vector baseline plots for KASHIM34–MARCUS

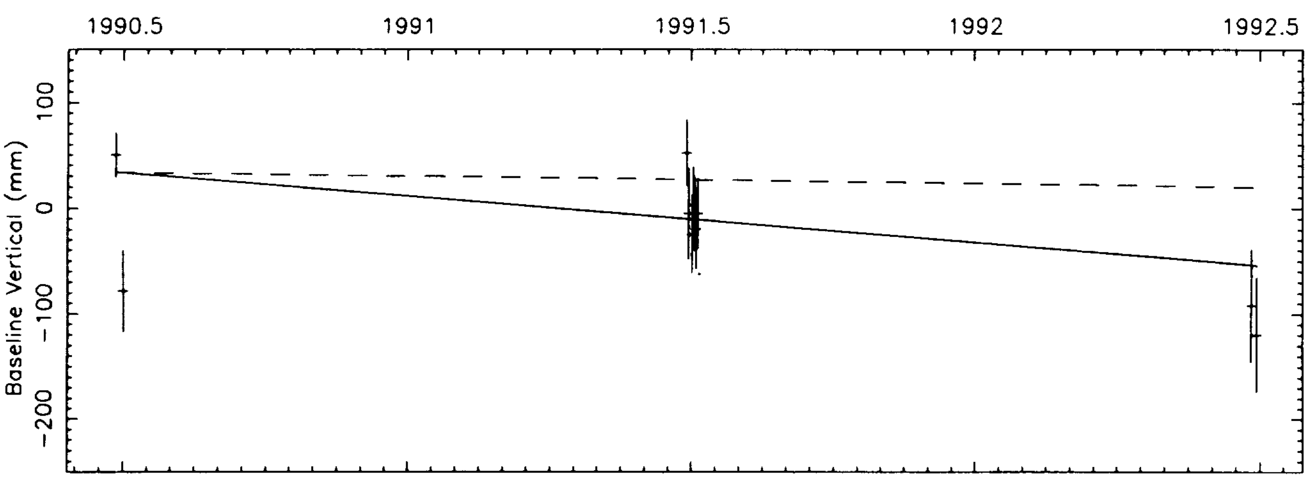
Baseline length = 1812 kilometers Number of sessions = 11



Observed Rate = −69.2 ± 8.4 mm/yr Wrms of fit = 15.4 mm Reduced Chi square = 2.97
NUVEL model rate = −82.3 mm/yr Weighted mean length = 1812578109.7 mm



Observed Rate = 29.2 ± 4.2 mm/yr Wrms of fit = 7.2 mm Reduced Chi square = 1.36
NUVEL model rate = 28.9 mm/yr

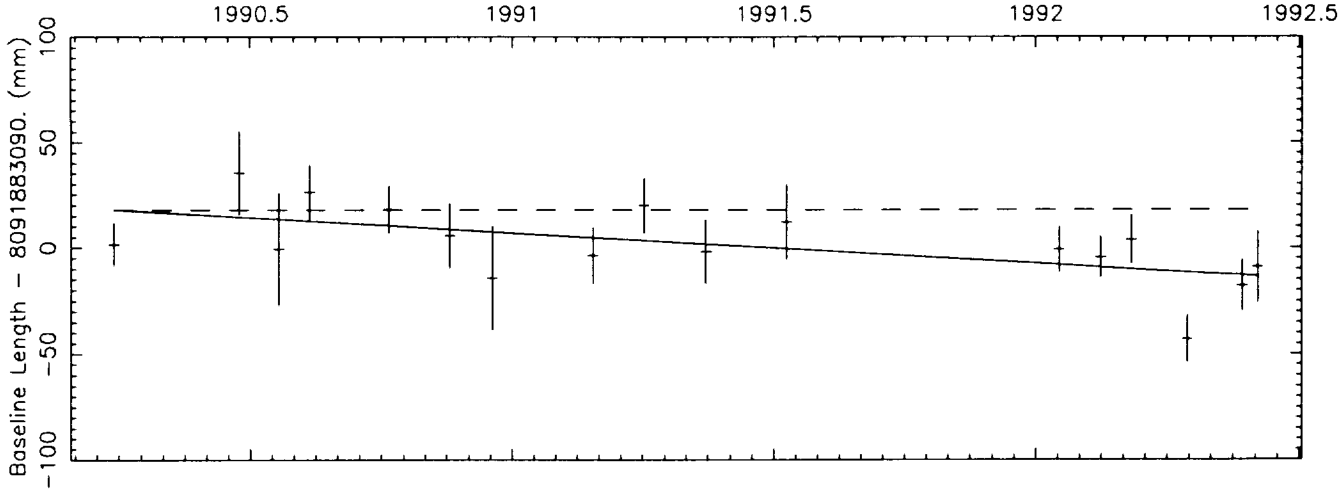


Observed Rate = −43.7 ± 23.3 mm/yr Wrms of fit = 40.8 mm Reduced Chi square = 1.68
NUVEL model rate = −6.8 mm/yr

Vector baseline plots for KASHIM34–MOJAVE12

Baseline length = 8091 kilometers

Number of sessions = 17



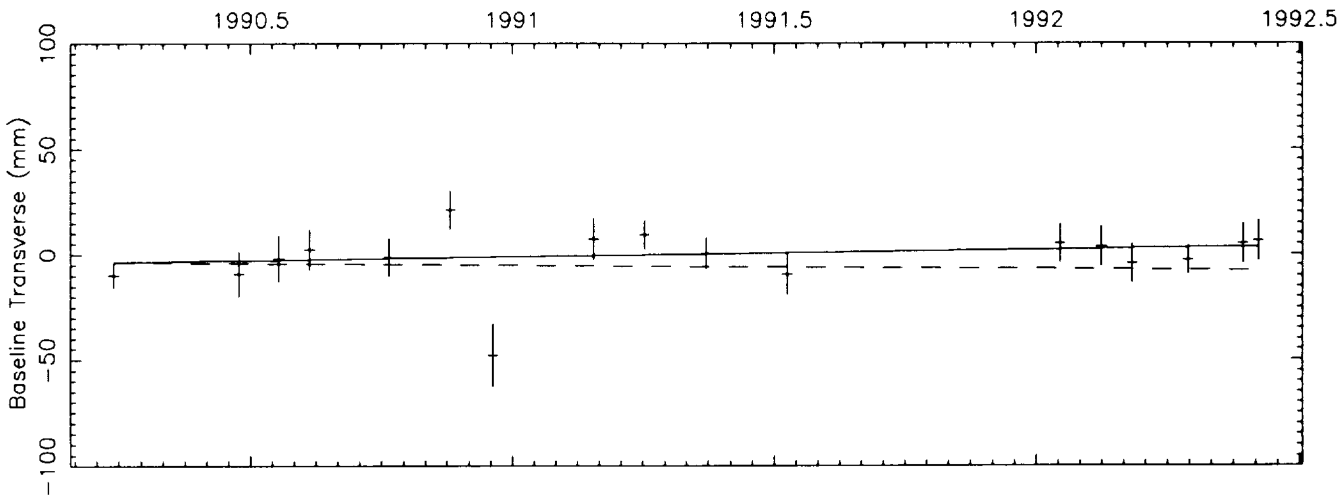
Observed Rate = –14.4 ± 4.8 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 14.0 mm

Weighted mean length = 8091883090.1 mm

Reduced Chi square = 1.30

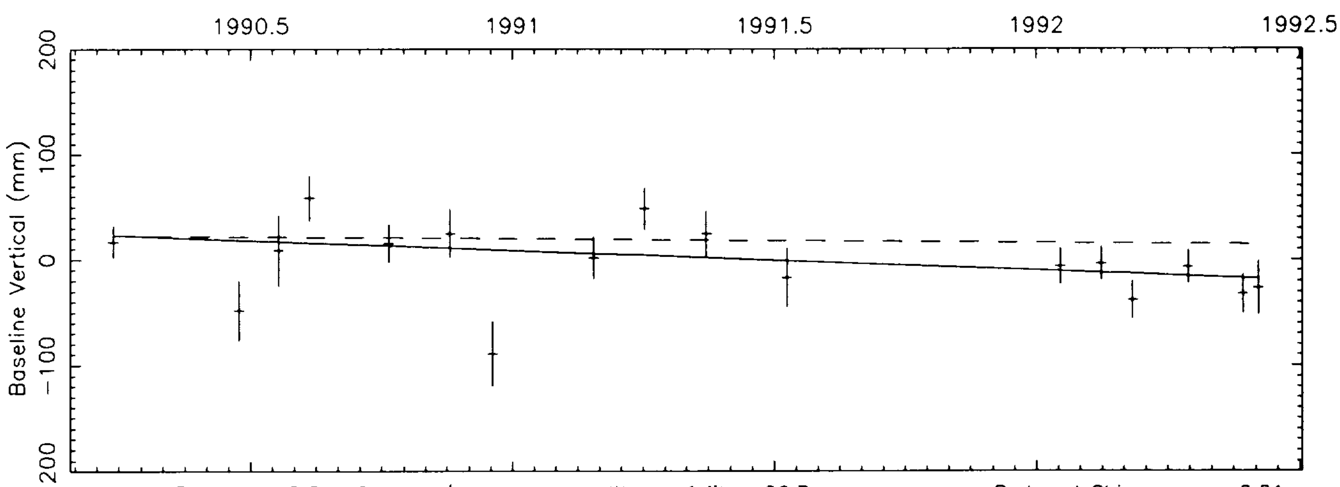


Observed Rate = 3.2 ± 3.5 mm/yr

NUVEL model rate = –1.8 mm/yr

Wrms of fit = 10.0 mm

Reduced Chi square = 1.53



Observed Rate = –18.8 ± 9.1 mm/yr

NUVEL model rate = –3.8 mm/yr

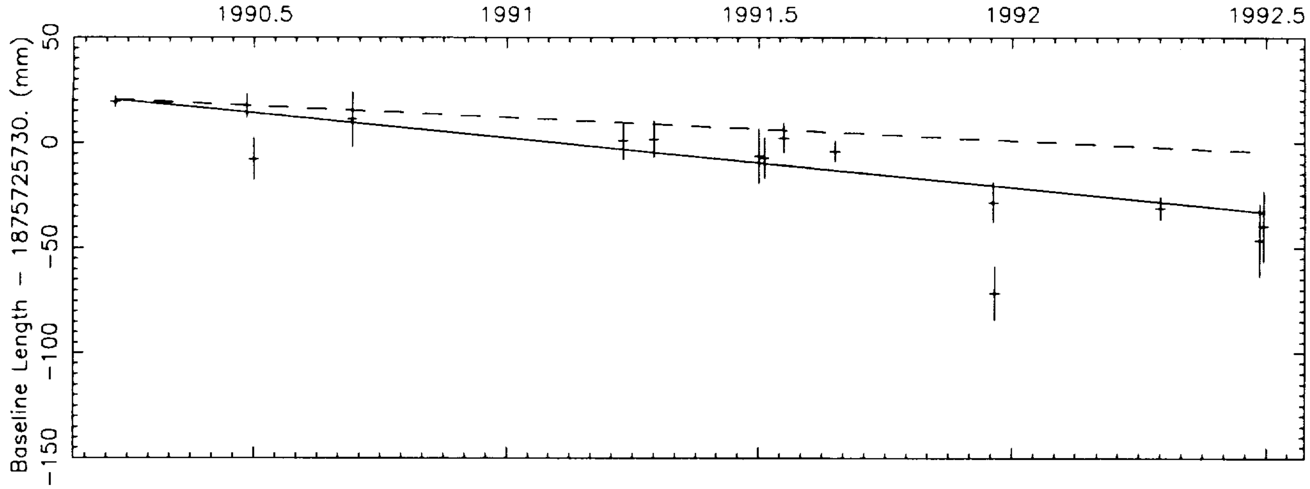
Wrms of fit = 26.7 mm

Reduced Chi square = 2.01

Vector baseline plots for KASHIM34–SESHAN25

Baseline length = 1875 kilometers

Number of sessions = 15



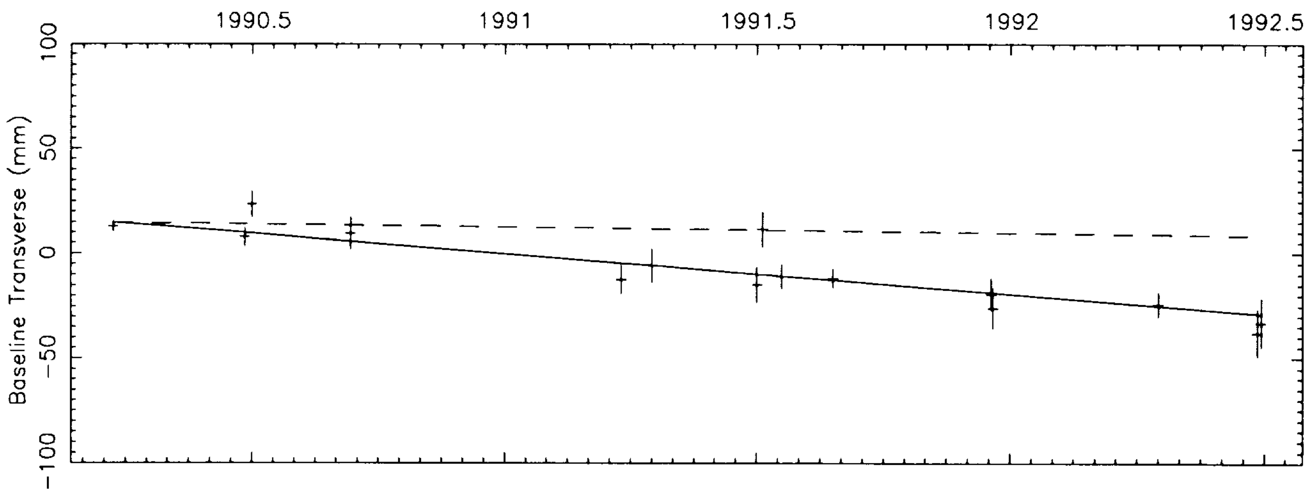
Observed Rate = −23.6 ± 3.3 mm/yr

NUVEL model rate = −11.0 mm/yr

Wrms of fit = 9.3 mm

Weighted mean length = 1875725732.3 mm

Reduced Chi square = 2.27

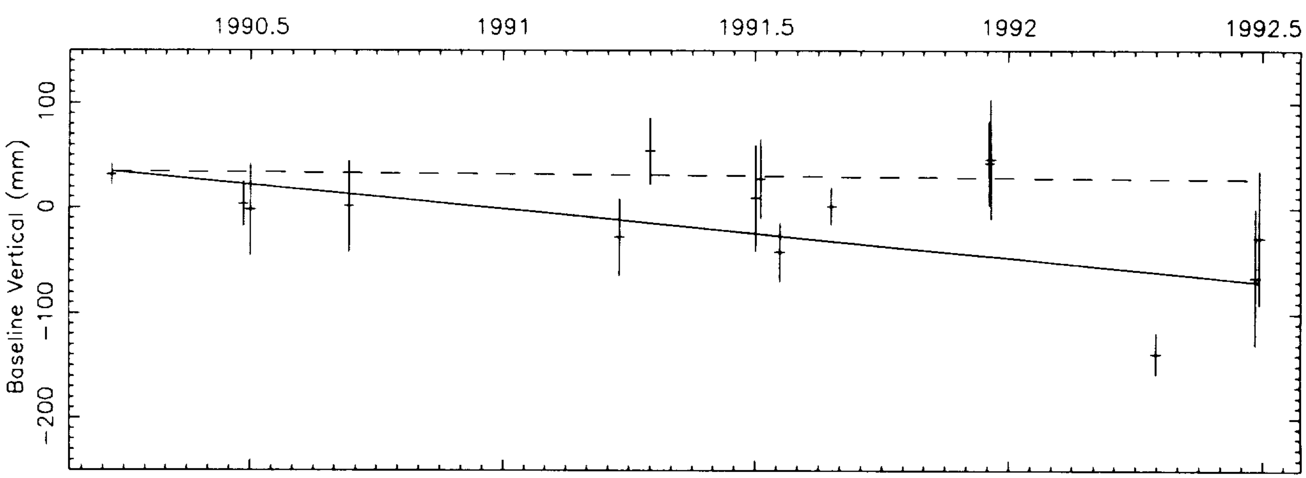


Observed Rate = −19.2 ± 2.1 mm/yr

NUVEL model rate = −2.7 mm/yr

Wrms of fit = 5.7 mm

Reduced Chi square = 1.20



Observed Rate = −46.1 ± 13.4 mm/yr

NUVEL model rate = −3.2 mm/yr

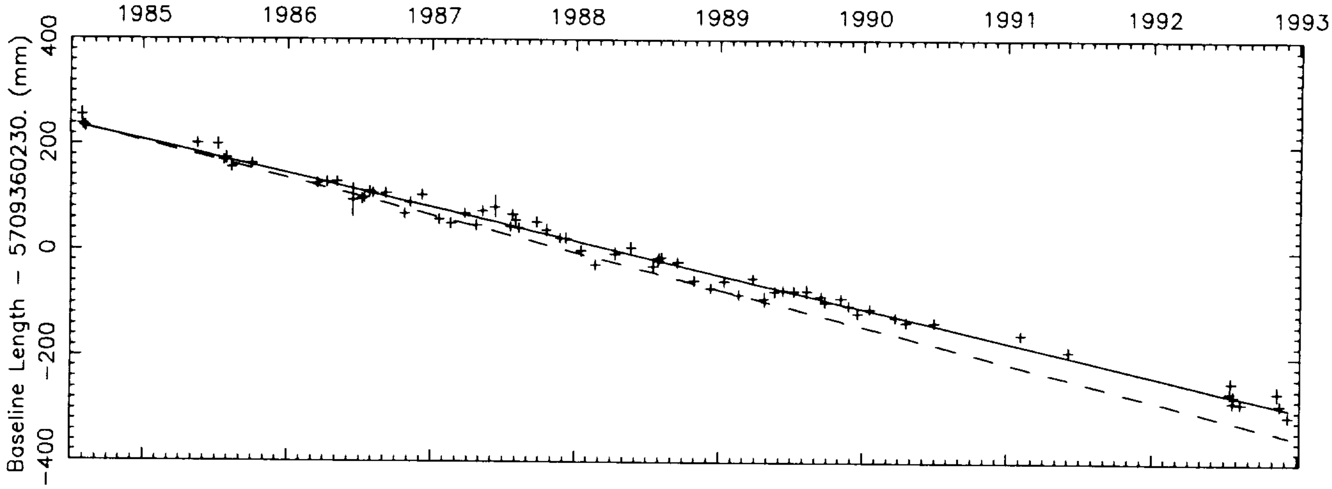
Wrms of fit = 37.9 mm

Reduced Chi square = 2.70

Vector baseline plots for KASHIMA –KAUAI

Baseline length = 5709 kilometers

Number of sessions = 74



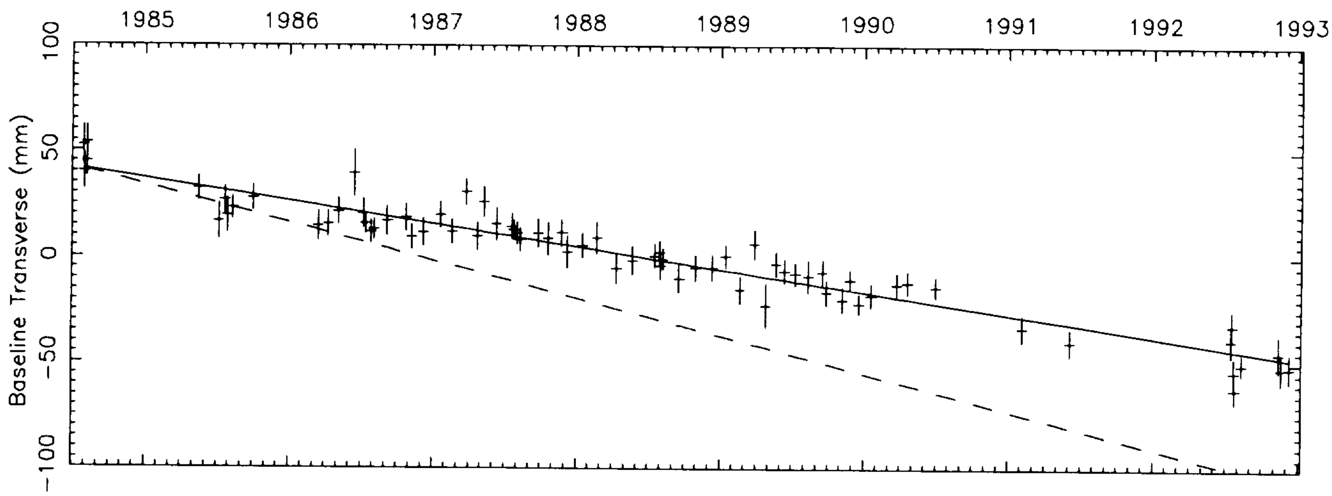
Observed Rate = –63.5 ± .7 mm/yr

NUVEL model rate = –69.6 mm/yr

Wrms of fit = 12.8 mm

Weighted mean length = 5709360225.8 mm

Reduced Chi square = 2.43

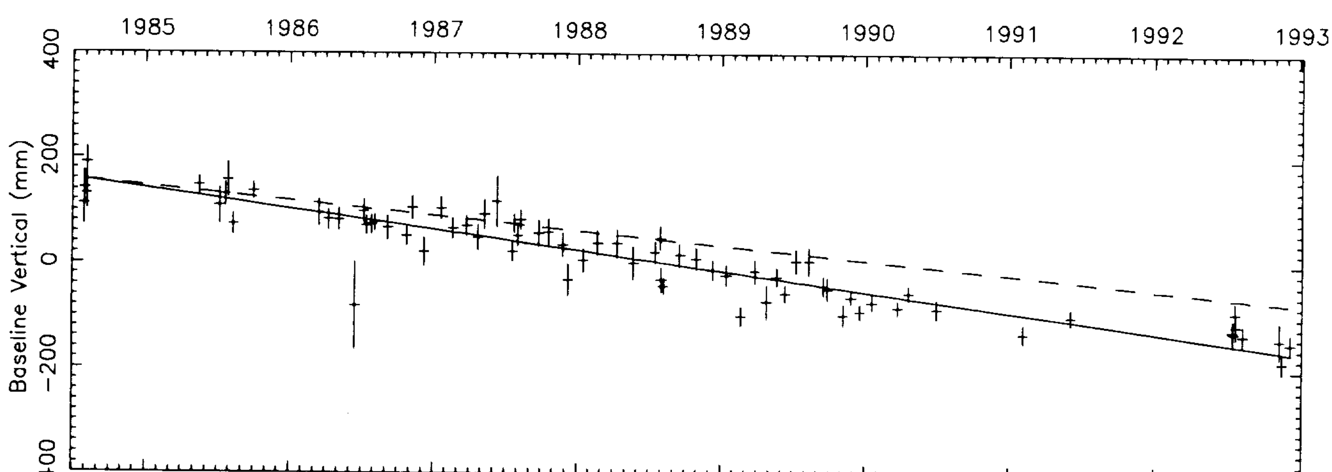


Observed Rate = –10.6 ± .4 mm/yr

NUVEL model rate = –17.7 mm/yr

Wrms of fit = 6.6 mm

Reduced Chi square = 1.18



Observed Rate = –38.6 ± 1.6 mm/yr

NUVEL model rate = –27.7 mm/yr

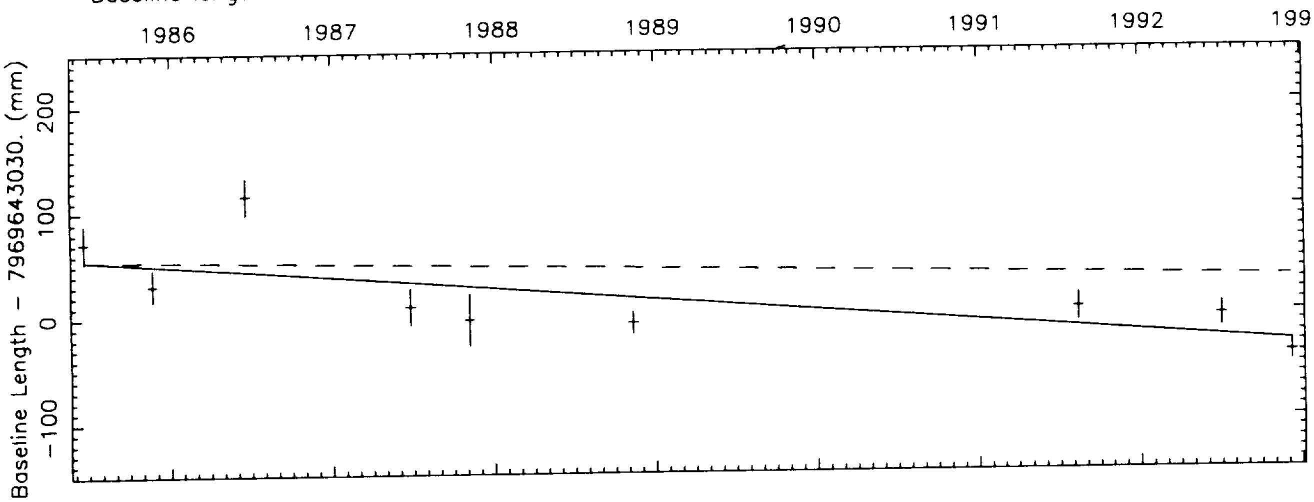
Wrms of fit = 28.1 mm

Reduced Chi square = 1.96

Vector baseline plots for KASHIMA –ONSALA60

Baseline length = 7969 kilometers

Number of sessions = 9



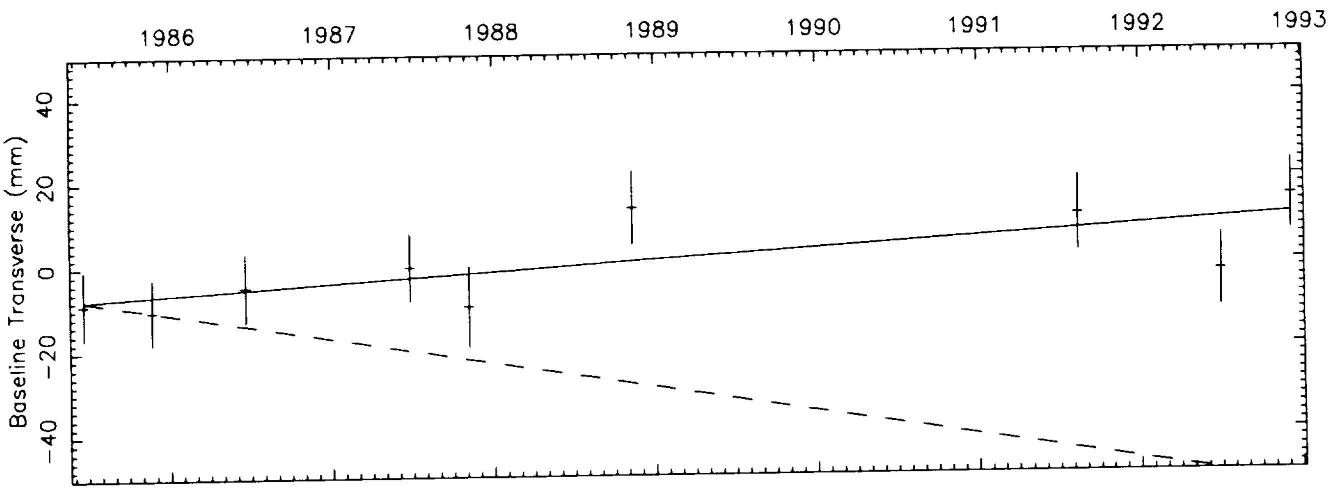
Observed Rate = –11.4 ± 3.6 mm/yr

NUVEL model rate = –3.1 mm/yr

Wrms of fit = 26.2 mm

Weighted mean length = 7969643034.2 mm

Reduced Chi square = 4.78

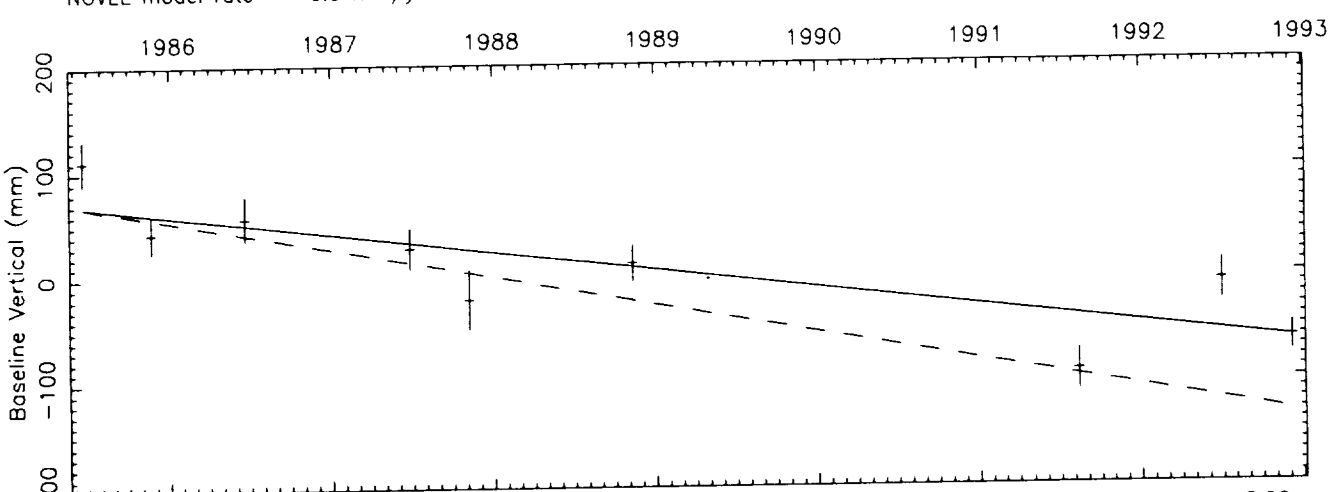


Observed Rate = 2.5 ± .9 mm/yr

NUVEL model rate = –6.0 mm/yr

Wrms of fit = 6.7 mm

Reduced Chi square = .81



Observed Rate = –17.6 ± 3.8 mm/yr

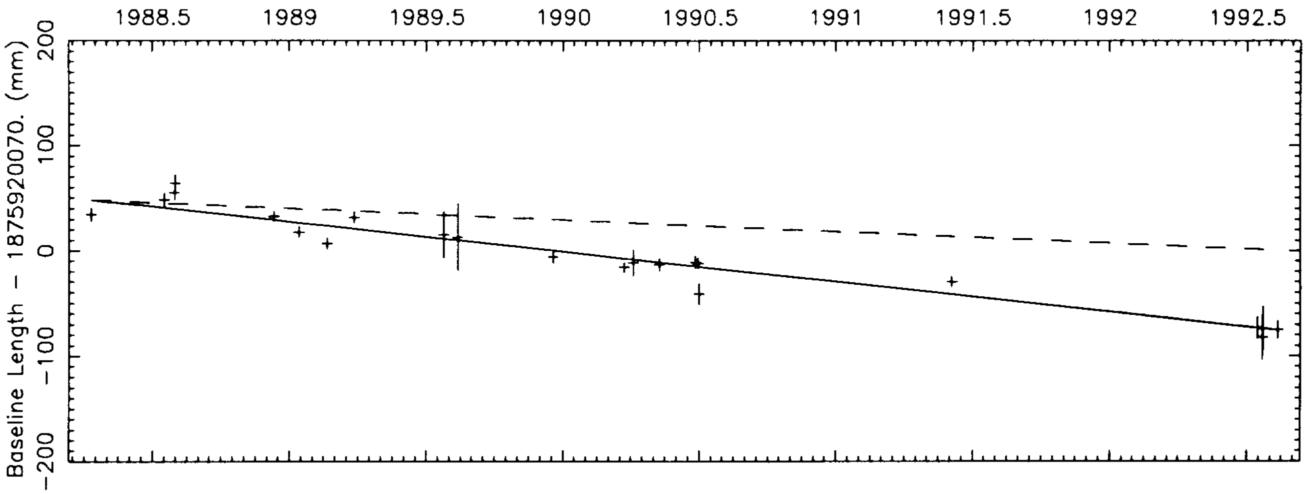
NUVEL model rate = –26.9 mm/yr

Wrms of fit = 29.0 mm

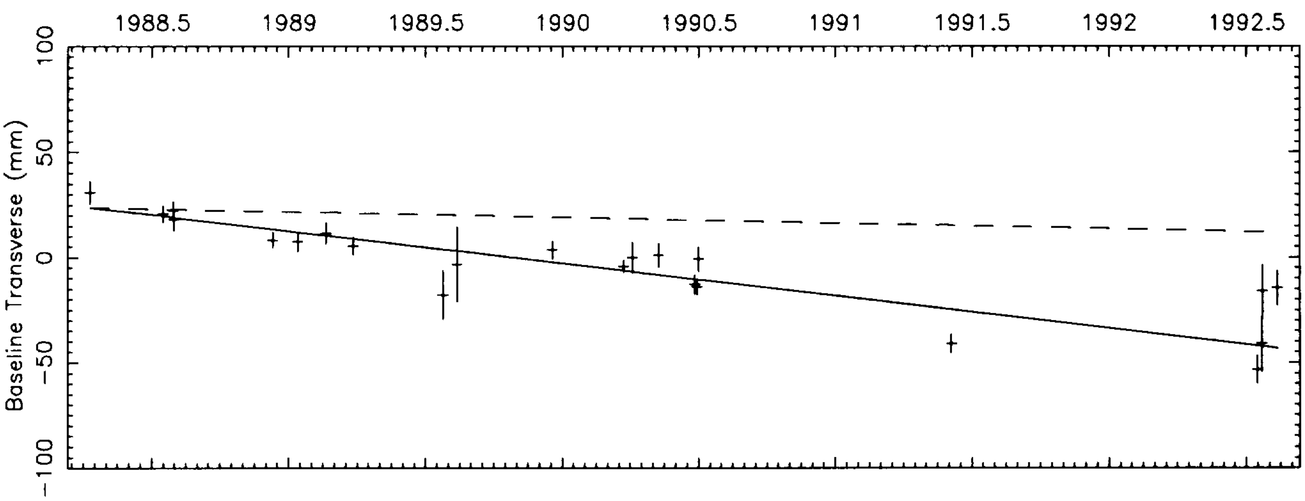
Reduced Chi square = 3.02

Vector baseline plots for KASHIMA –SESHAN25

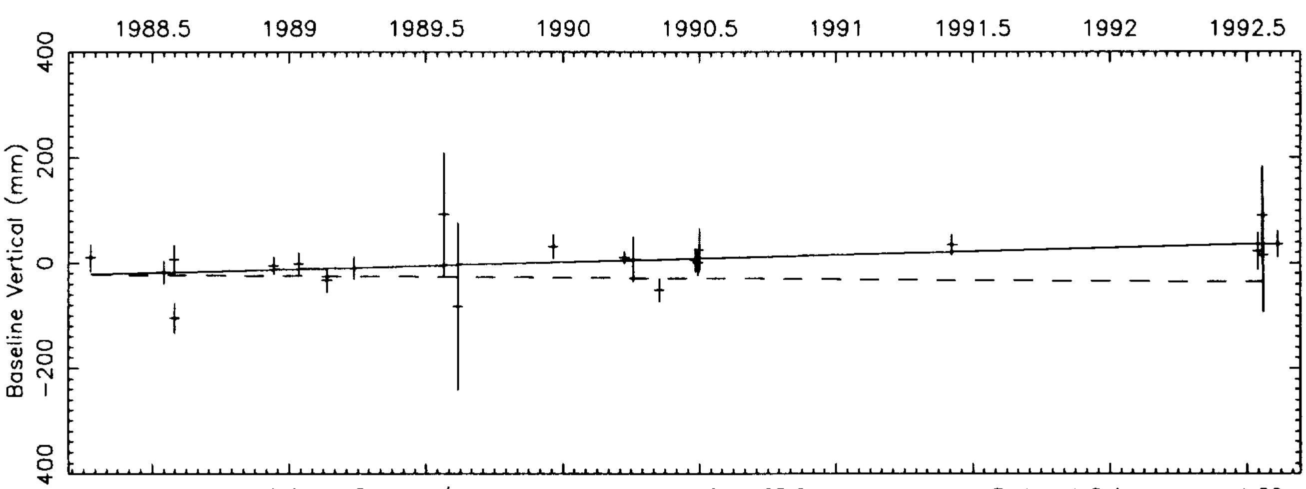
Baseline length = 1875 kilometers   Number of sessions = 22



Observed Rate = –28.6 ± 2.2 mm/yr   Wrms of fit = 10.7 mm   Reduced Chi square = 3.12
NUVEL model rate = –11.0 mm/yr   Weighted mean length = 1875920074.0 mm



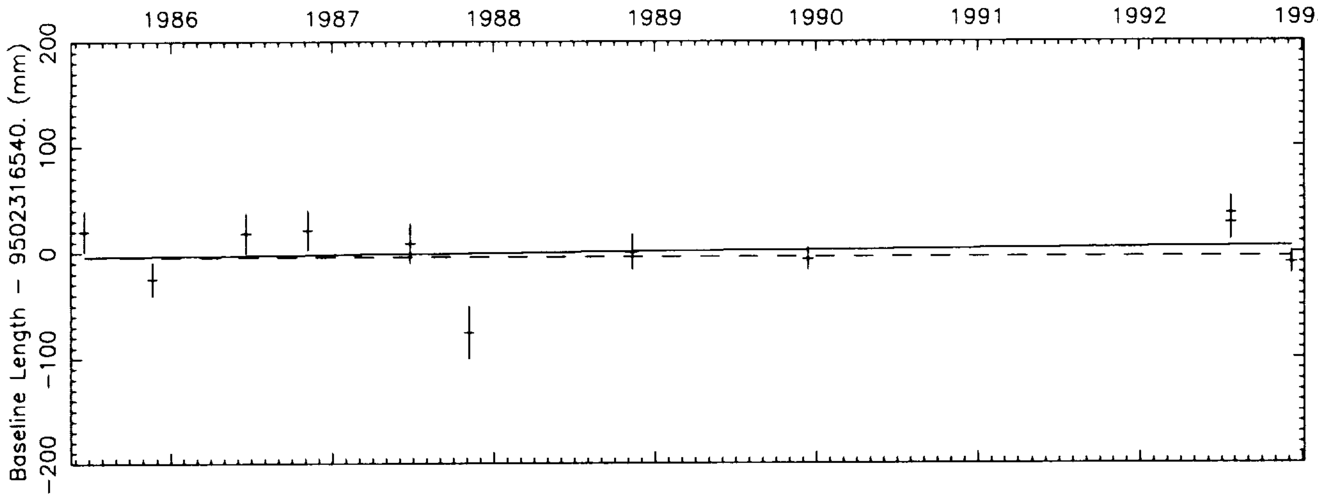
Observed Rate = –15.4 ± 1.6 mm/yr   Wrms of fit = 7.7 mm   Reduced Chi square = 2.51
NUVEL model rate = –2.7 mm/yr



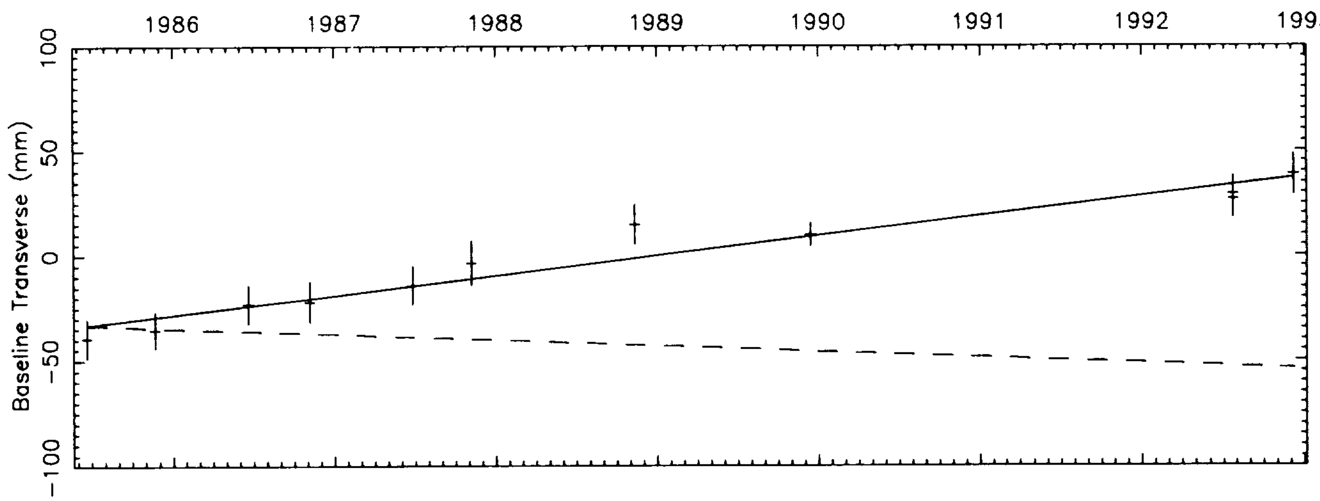
Observed Rate = 13.6 ± 5.1 mm/yr   Wrms of fit = 25.9 mm   Reduced Chi square = 1.20
NUVEL model rate = –3.2 mm/yr

Vector baseline plots for KASHIMA –WESTFORD

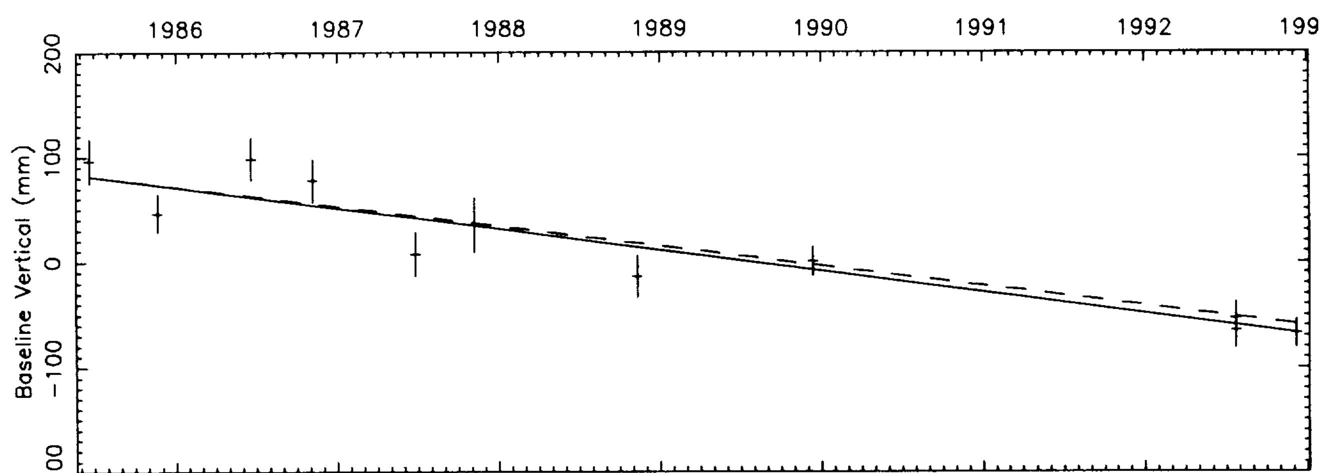
Baseline length = 9502 kilometers Number of sessions = 11



Observed Rate = 1.3 ± 2.8 mm/yr Wrms of fit = 22.9 mm Reduced Chi square = 2.67
NUVEL model rate = .0 mm/yr Weighted mean length = 9502316541.4 mm



Observed Rate = 9.4 ± .8 mm/yr Wrms of fit = 5.9 mm Reduced Chi square = .57
NUVEL model rate = –2.8 mm/yr

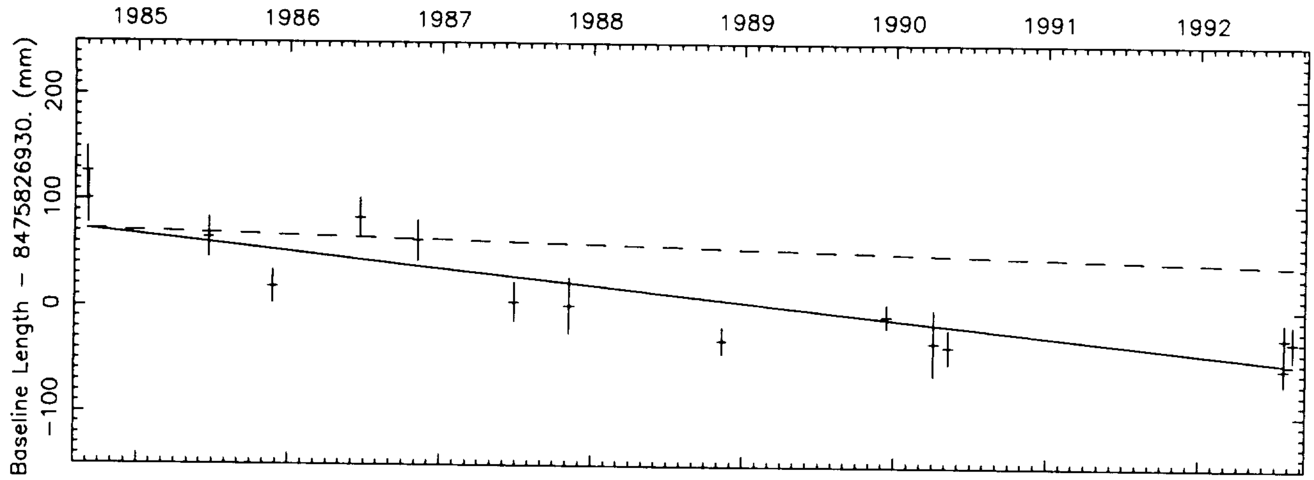


Observed Rate = –19.9 ± 2.3 mm/yr Wrms of fit = 19.0 mm Reduced Chi square = 1.35
NUVEL model rate = –18.7 mm/yr

Vector baseline plots for KASHIMA –WETTZELL

Baseline length = 8475 kilometers

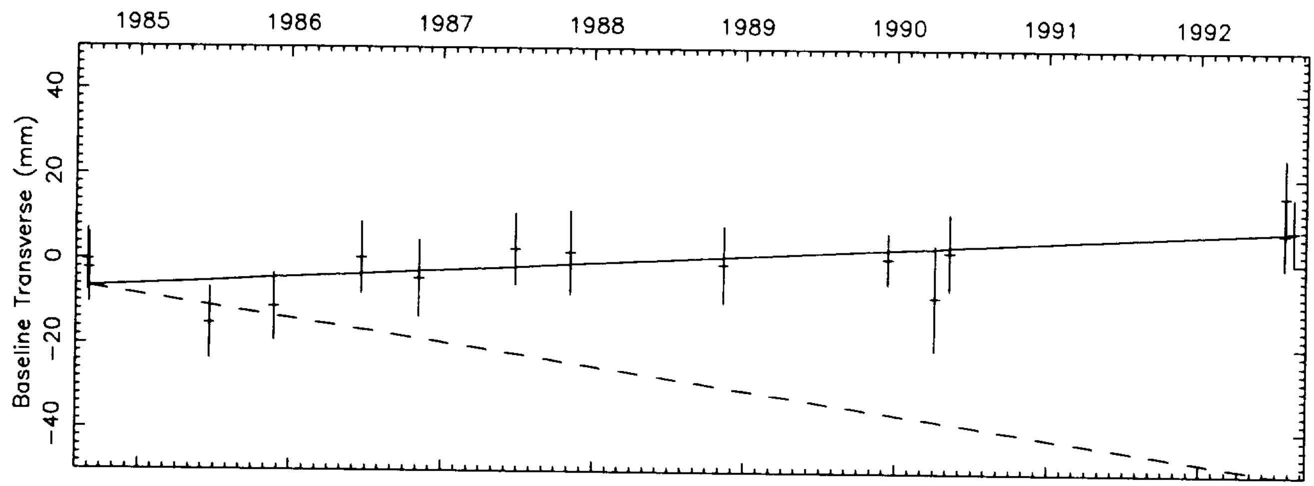
Number of sessions = 15



Observed Rate = –15.5 ± 2.8 mm/yr
NUVEL model rate = –3.7 mm/yr

Wrms of fit = 26.1 mm
Weighted mean length = 8475826933.9 mm

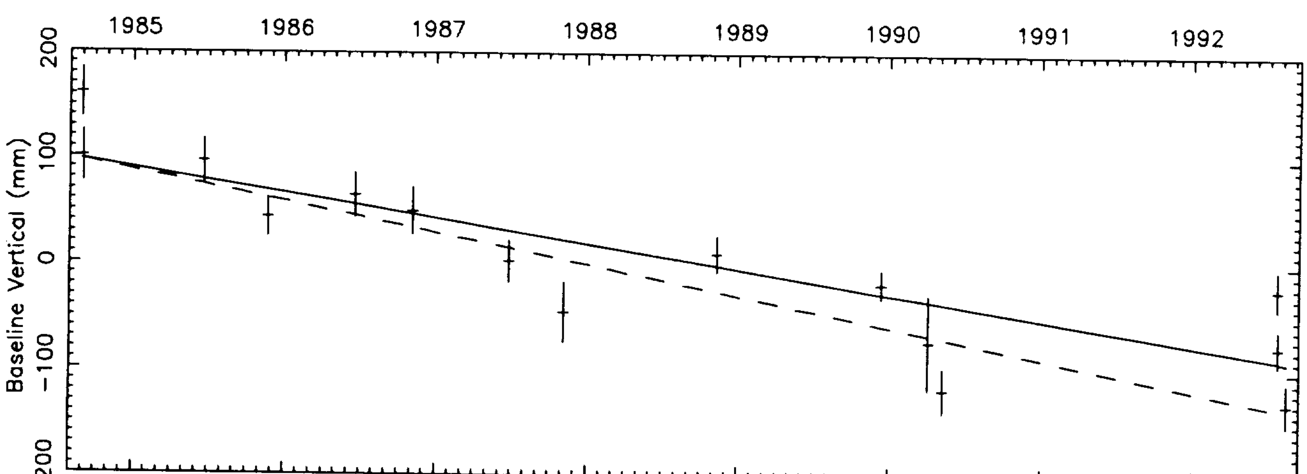
Reduced Chi square = 2.72



Observed Rate = 1.8 ± .5 mm/yr
NUVEL model rate = –5.5 mm/yr

Wrms of fit = 5.1 mm

Reduced Chi square = .43

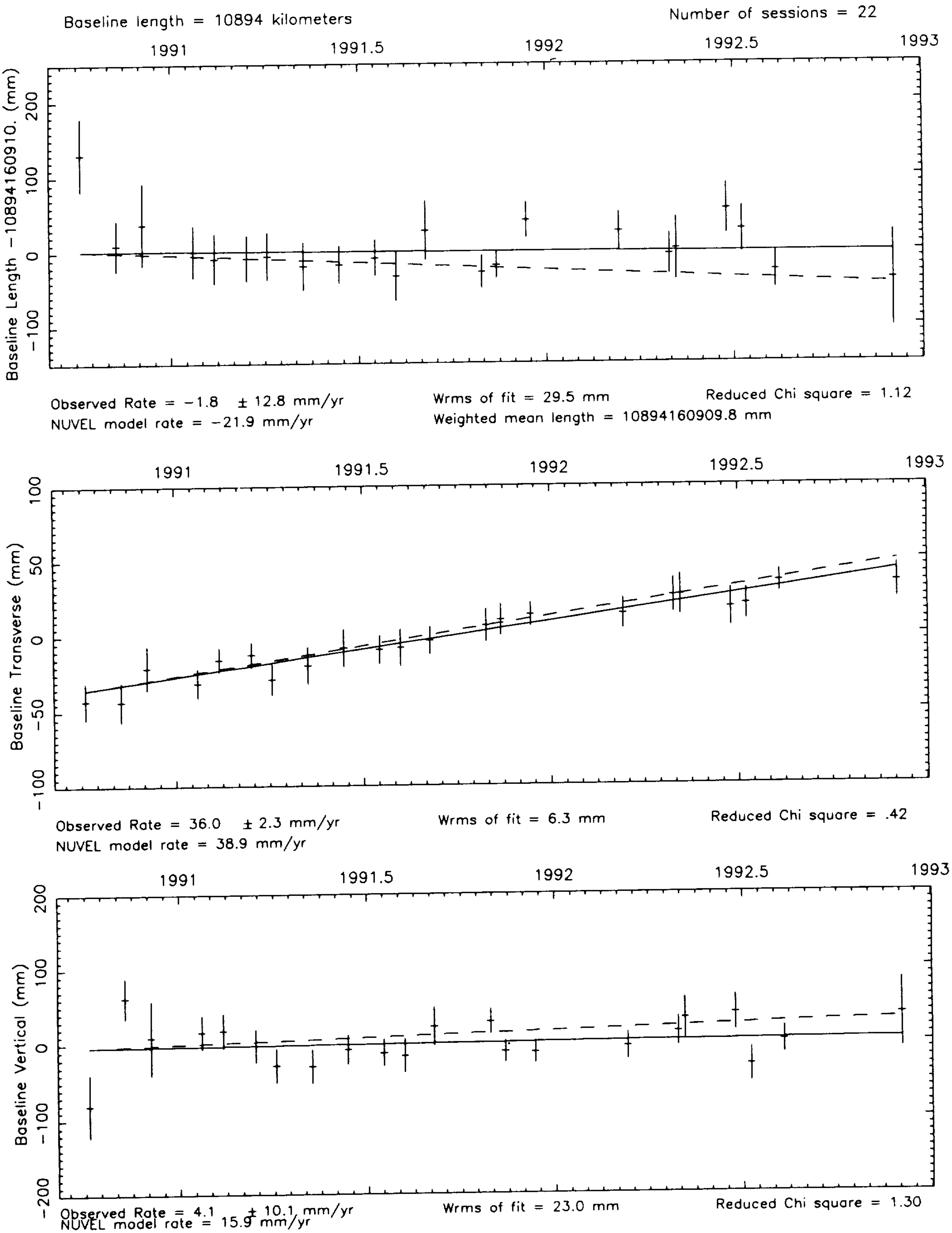


Observed Rate = –23.5 ± 3.8 mm/yr
NUVEL model rate = –29.3 mm/yr

Wrms of fit = 37.3 mm

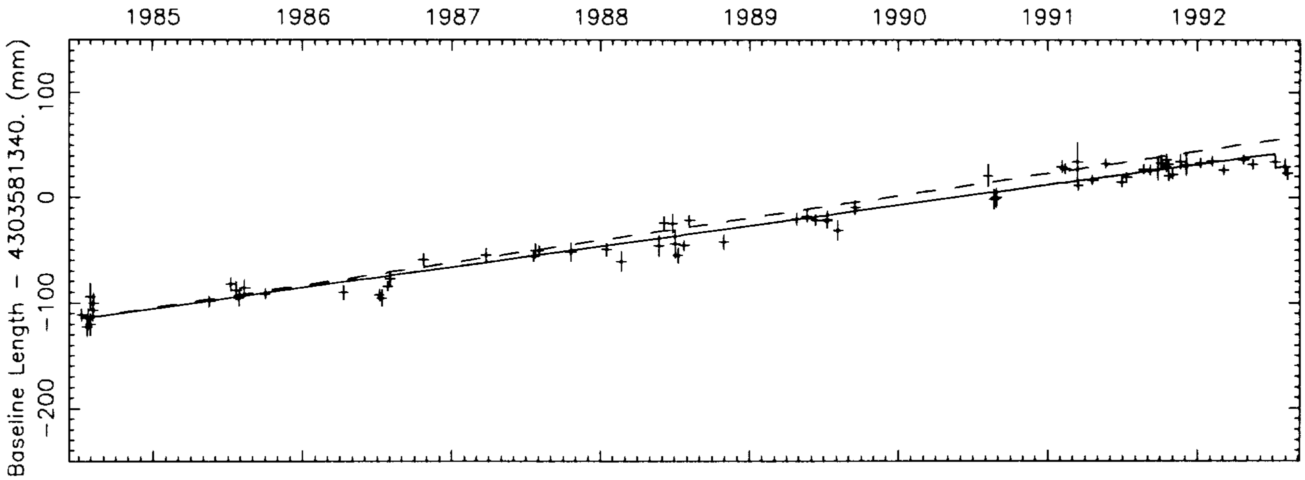
Reduced Chi square = 3.99

Vector baseline plots for KAUAI -MATERA

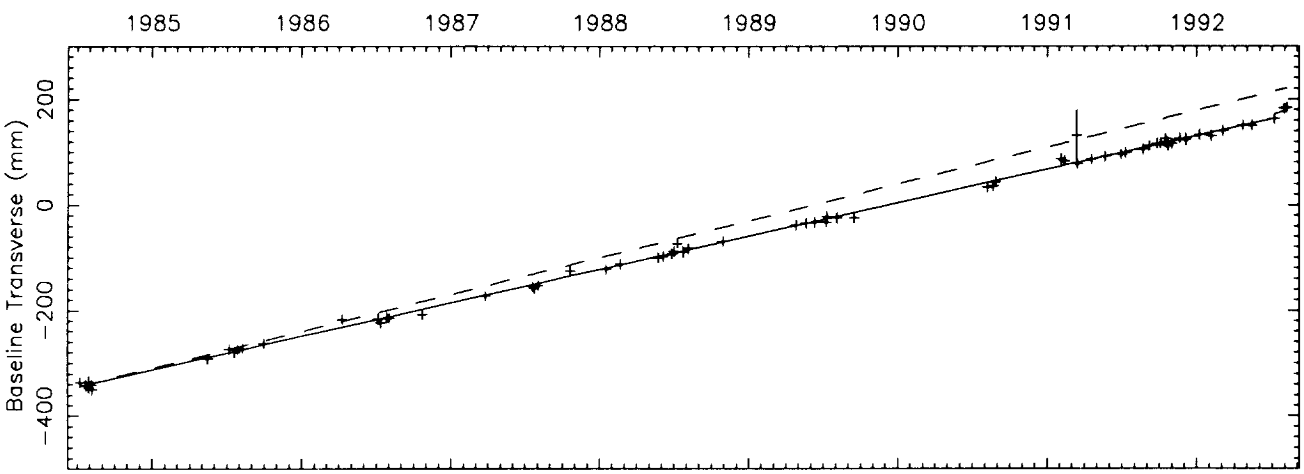


Vector baseline plots for KAUAI -MOJAVE12

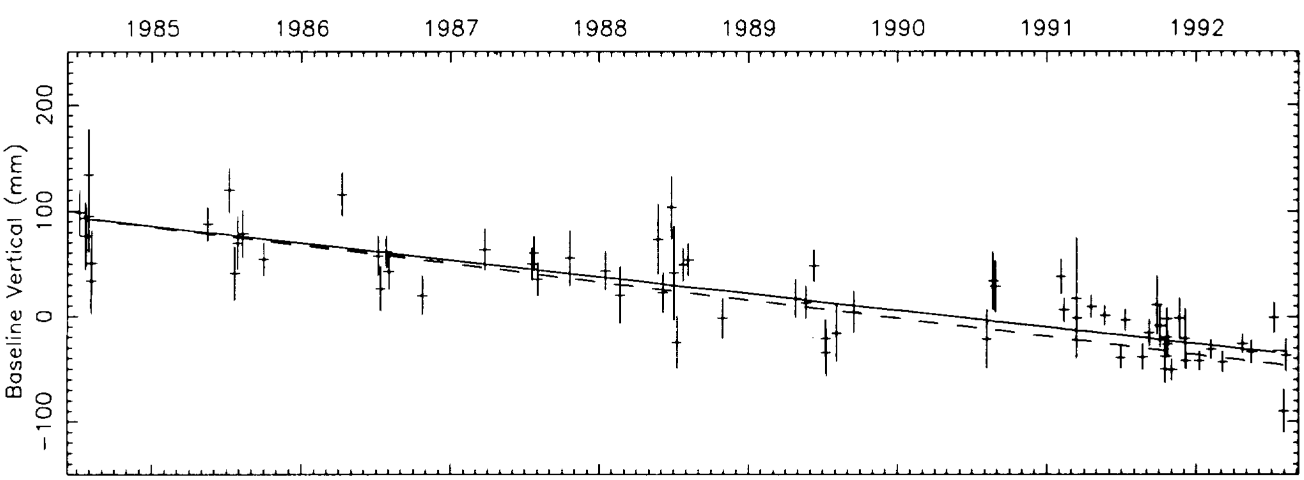
Baseline length = 4303 kilometers Number of sessions = 73



Observed Rate = 19.6 ± .4 mm/yr
NUVEL model rate = 21.3 mm/yr
Wrms of fit = 7.3 mm
Weighted mean length = 4303581337.7 mm
Offset = −13.3 ± 5.2 mm
Reduced Chi square = 2.11



Observed Rate = 63.2 ± .3 mm/yr
NUVEL model rate = 69.7 mm/yr
Wrms of fit = 5.2 mm
Offset = 9.5 ± 2.8 mm
Reduced Chi square = 1.27

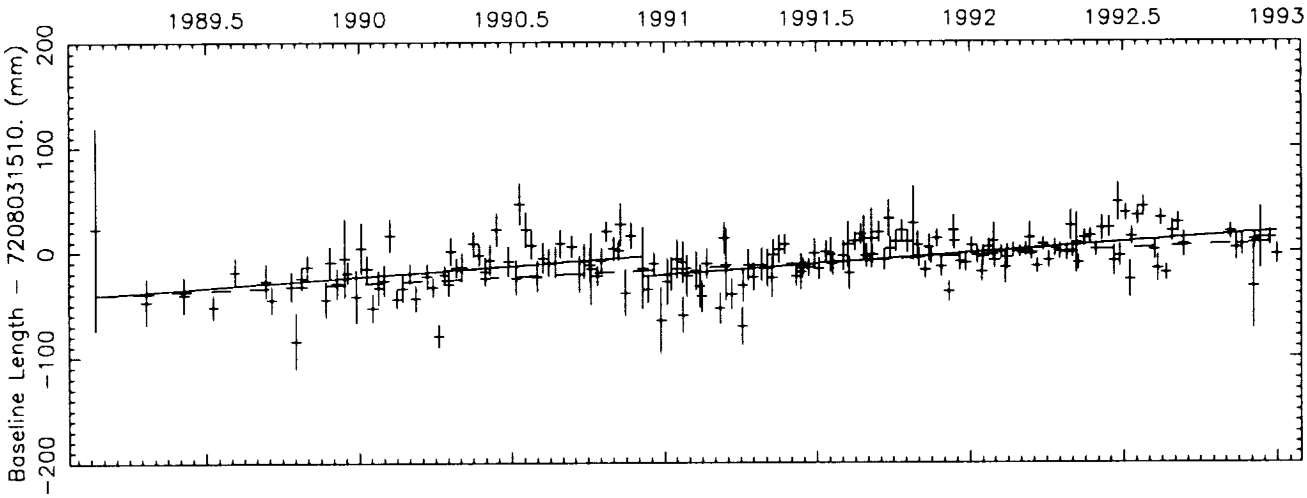


Observed Rate = −15.9 ± 1.2 mm/yr
NUVEL model rate = −17.3 mm/yr
Wrms of fit = 21.3 mm
Reduced Chi square = 2.02
Offset = 2.2 ± 13.9 mm

Vector baseline plots for KAUAI -NRAO85 3

Baseline length = 7208 kilometers

Number of sessions = 182



Observed Rate = 20.5 ± 2.6 mm/yr

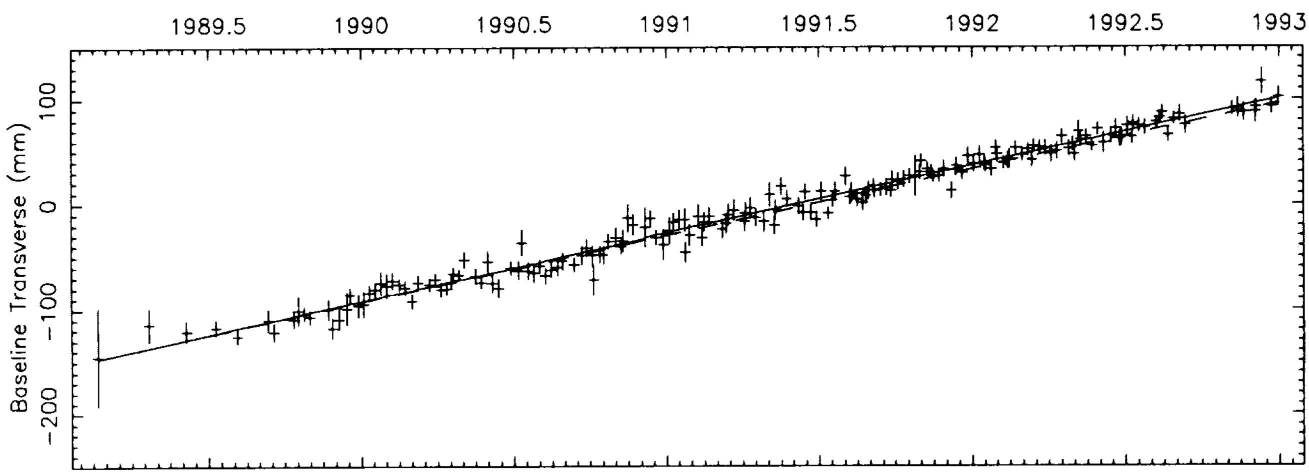
NUVEL model rate = 13.1 mm/yr

Wrms of fit = 15.3 mm

Weighted mean length = 7208031506.1 mm

Offset = −18.8 ± 5.3 mm

Reduced Chi square = 2.13



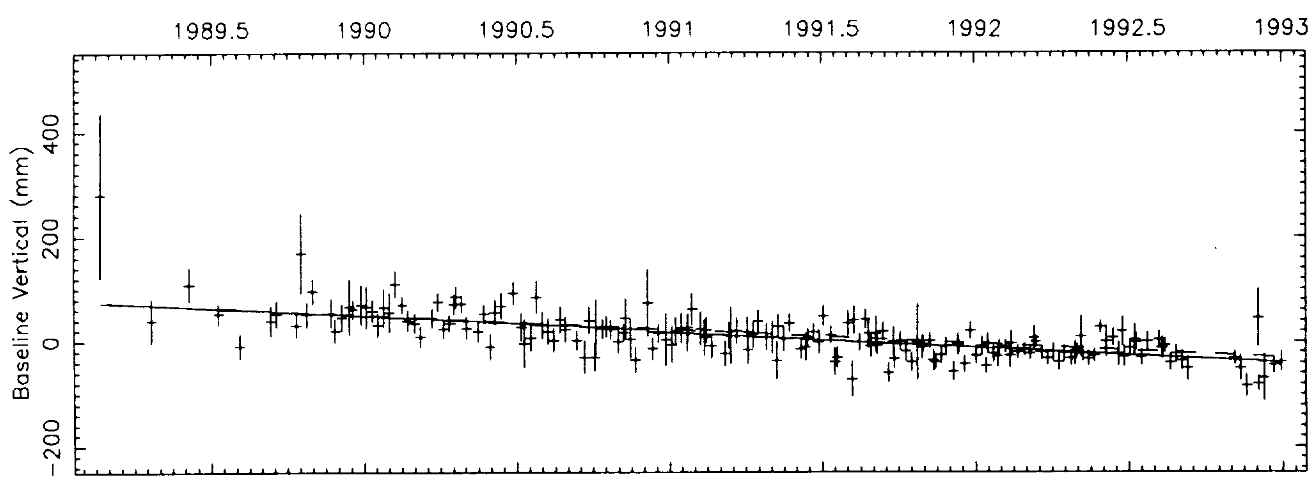
Observed Rate = 63.8 ± 1.3 mm/yr

NUVEL model rate = 62.9 mm/yr

Wrms of fit = 7.8 mm

Offset = 1.1 ± 2.5 mm

Reduced Chi square = 1.08



Observed Rate = −28.5 ± 3.8 mm/yr

NUVEL model rate = −26.8 mm/yr

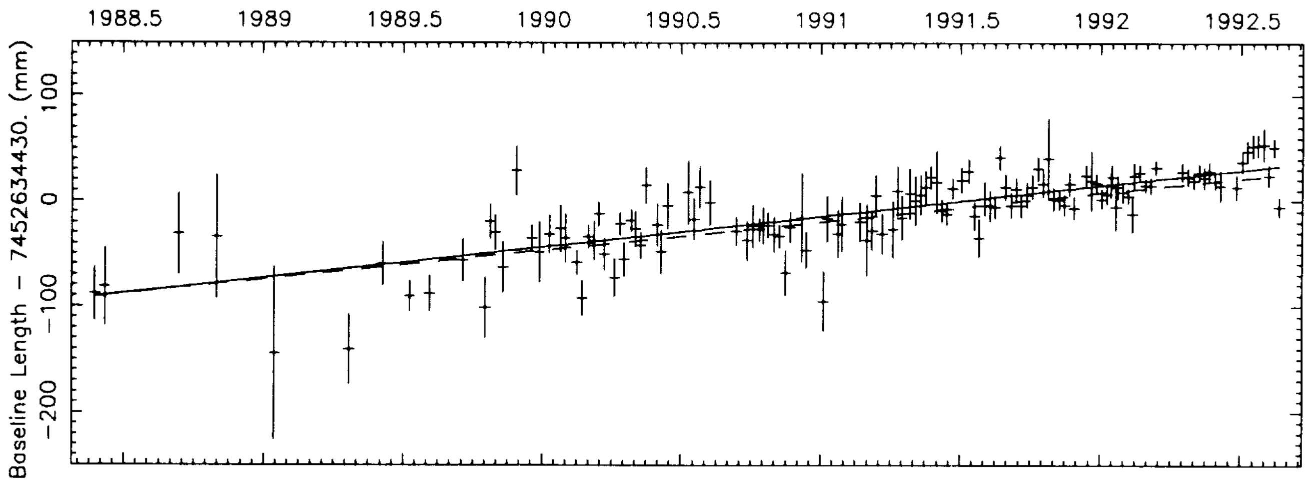
Wrms of fit = 23.3 mm

Reduced Chi square = 1.44

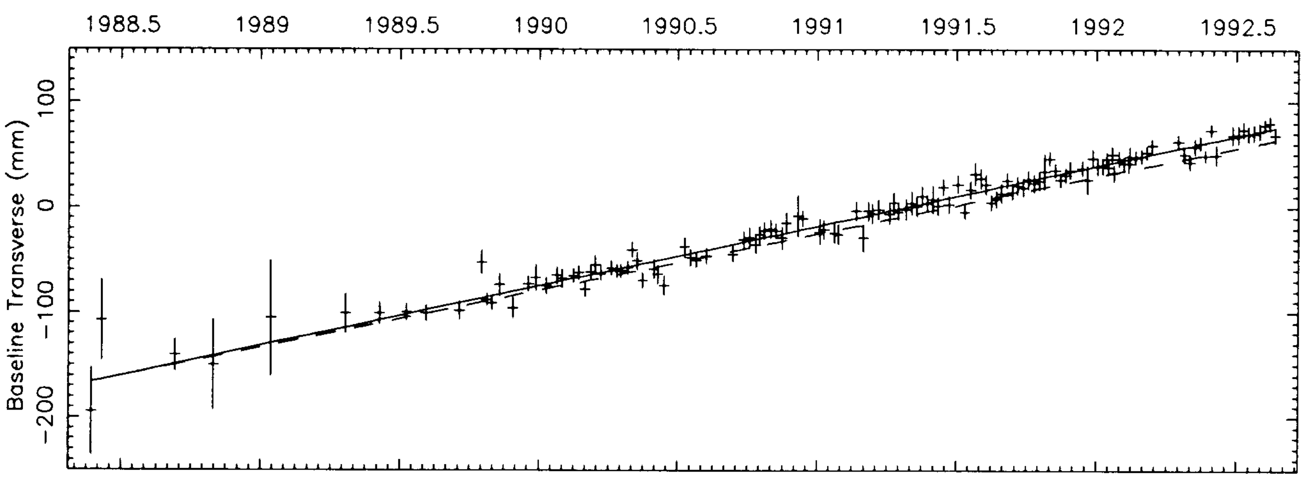
Offset = −3.5 ± 7.8 mm

Vector baseline plots for KAUAI —RICHMOND

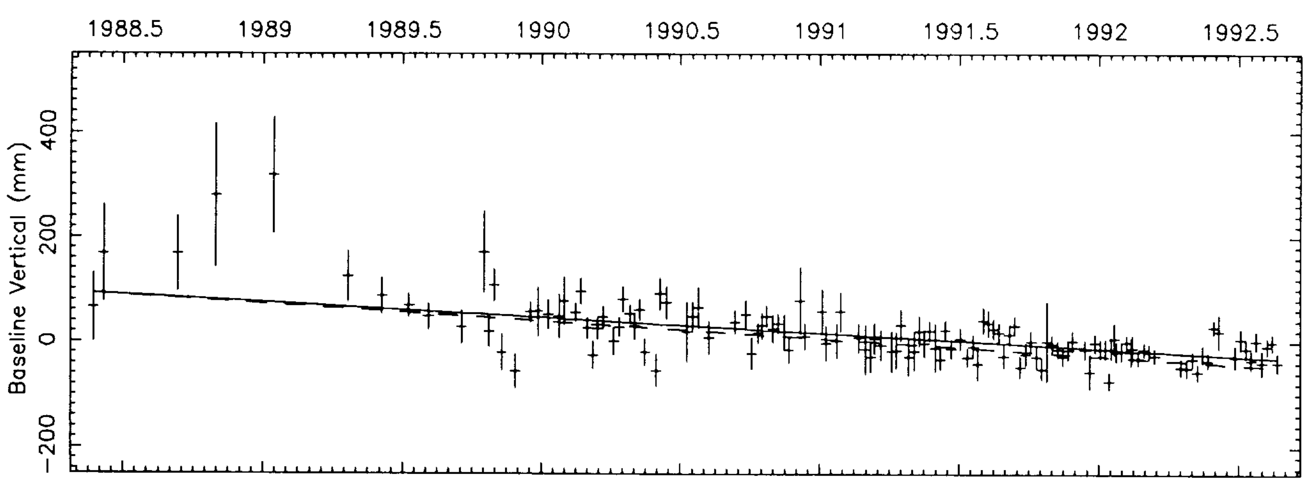
Baseline length = 7452 kilometers Number of sessions = 129



Observed Rate = 29.3 ± 1.8 mm/yr Wrms of fit = 16.6 mm Reduced Chi square = 1.79
NUVEL model rate = 27.3 mm/yr Weighted mean length = 7452634433.3 mm



Observed Rate = 56.8 ± .8 mm/yr Wrms of fit = 7.8 mm Reduced Chi square = 1.00
NUVEL model rate = 54.1 mm/yr

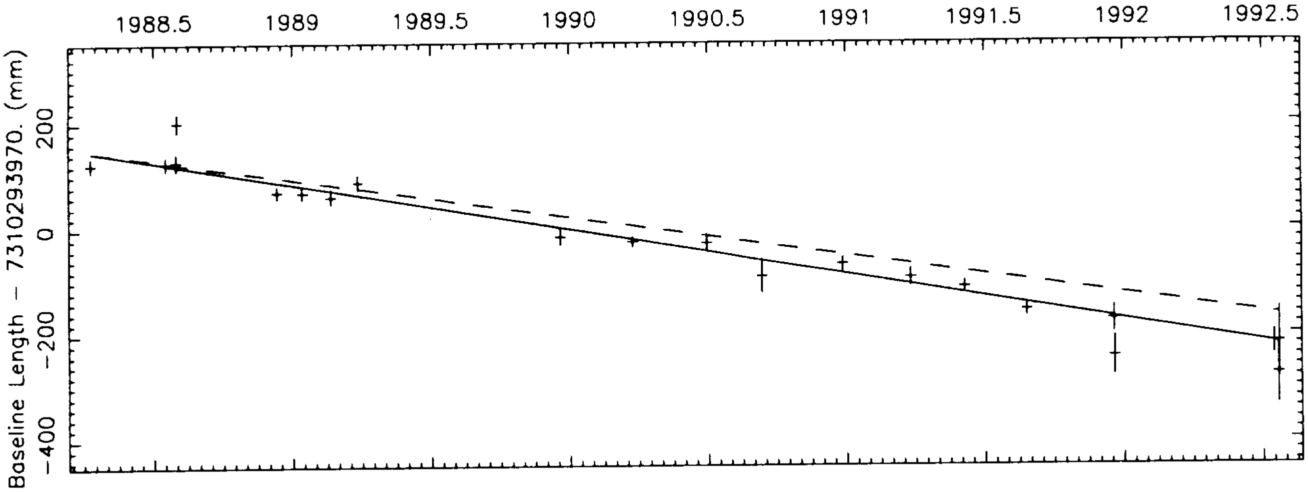


Observed Rate = –29.1 ± 2.8 mm/yr Wrms of fit = 26.6 mm Reduced Chi square = 1.53
NUVEL model rate = –33.0 mm/yr

Vector baseline plots for KAUAI -SESHAN25

Baseline length = 7310 kilometers

Number of sessions = 21



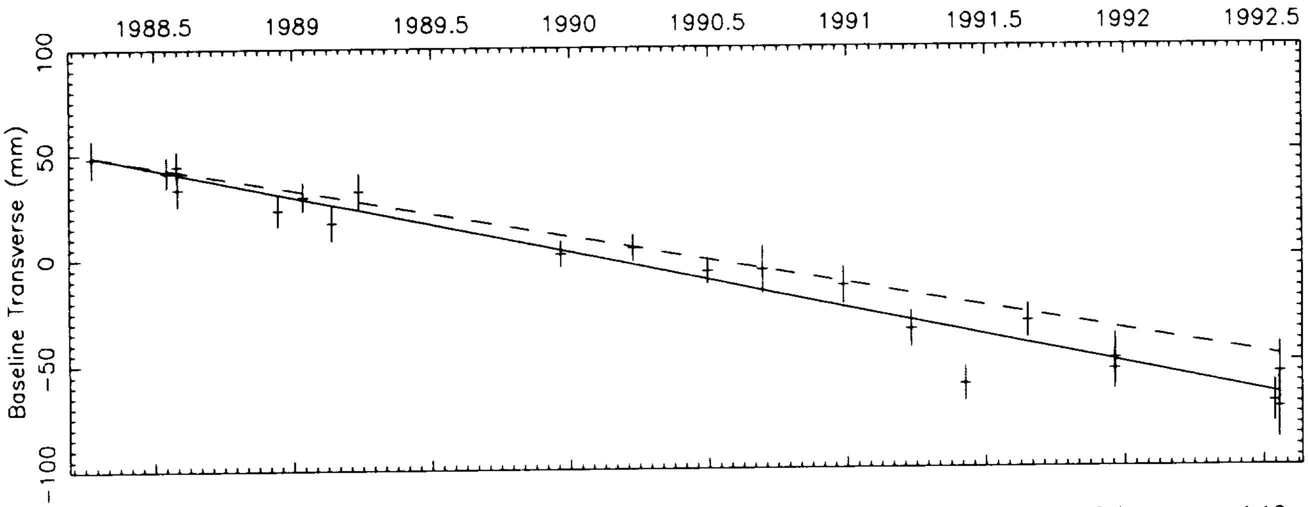
Observed Rate = -85.9 ± 4.2 mm/yr

NUVEL model rate = -72.7 mm/yr

Wrms of fit = 21.5 mm

Weighted mean length = 7310293970.5 mm

Reduced Chi square = 2.42

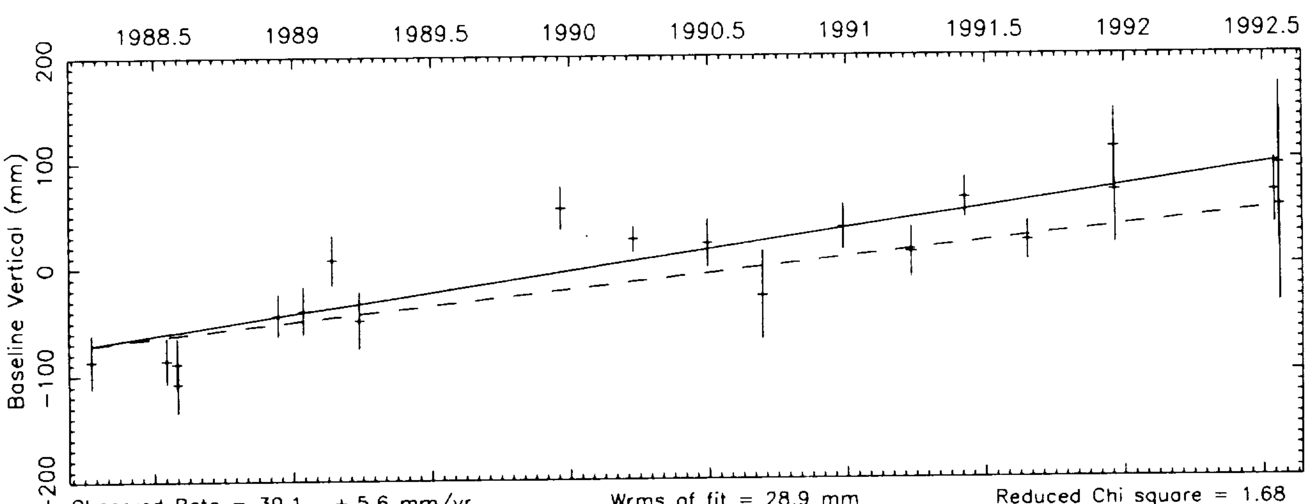


Observed Rate = -26.7 ± 1.5 mm/yr

NUVEL model rate = -22.5 mm/yr

Wrms of fit = 8.3 mm

Reduced Chi square = 1.12



Observed Rate = 39.1 ± 5.6 mm/yr

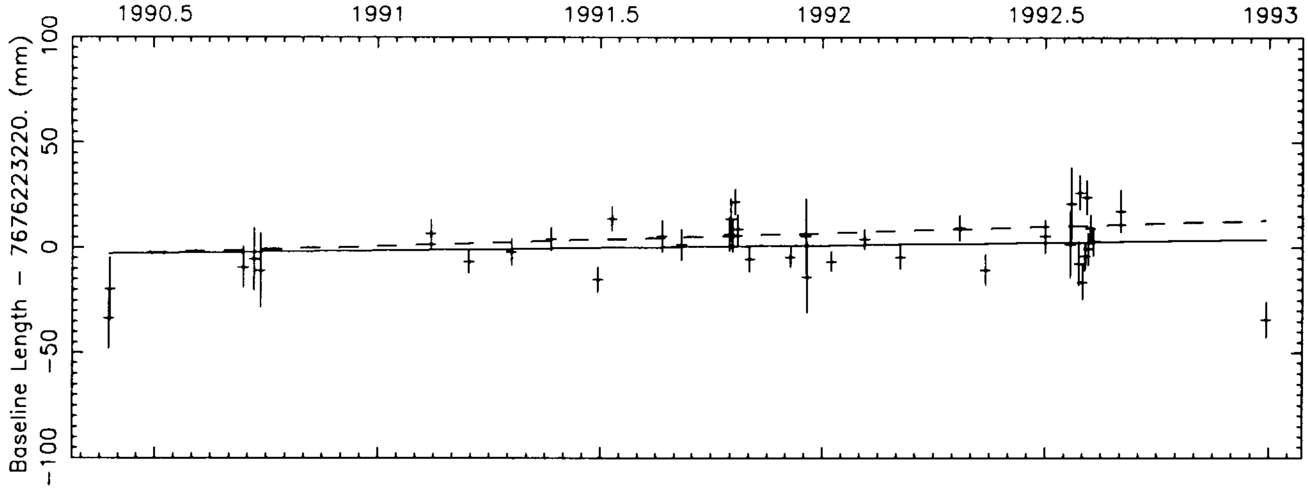
NUVEL model rate = 29.0 mm/yr

Wrms of fit = 28.9 mm

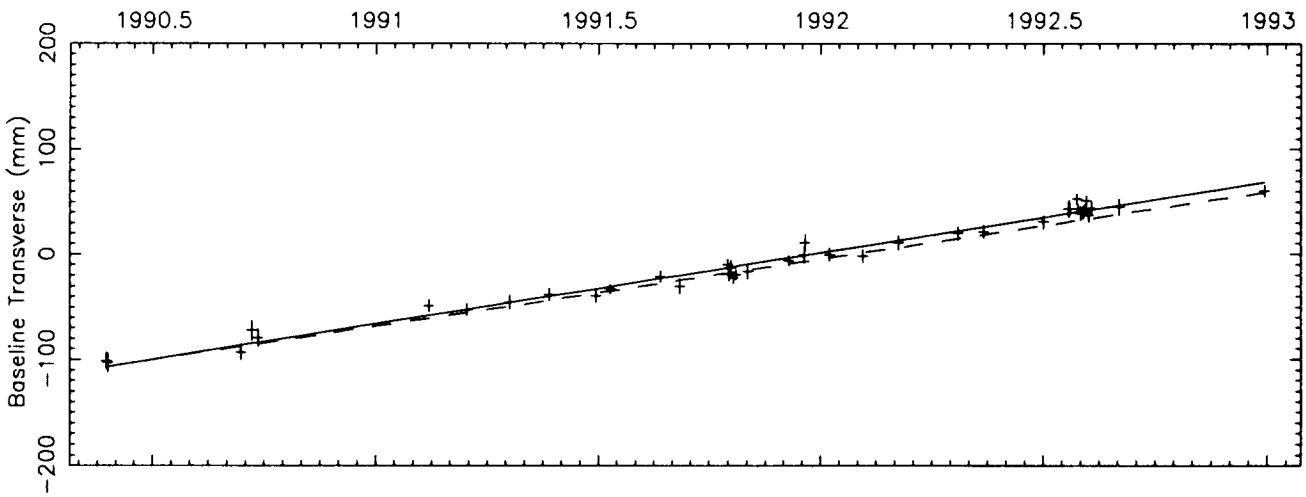
Reduced Chi square = 1.68

Vector baseline plots for KAUAI —WESTFORD

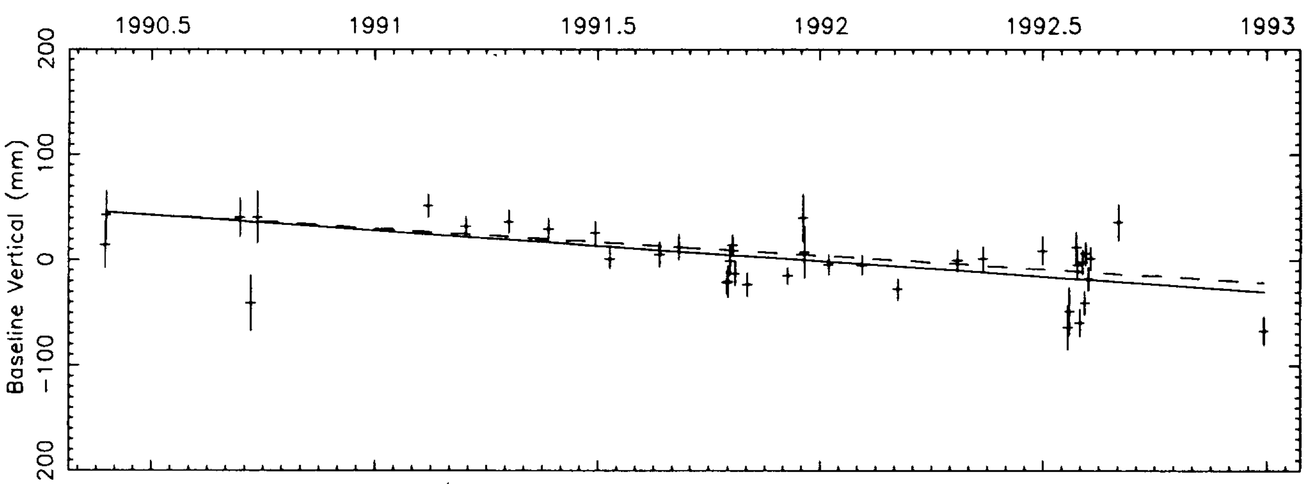
Baseline length = 7676 kilometers   Number of sessions = 40



Observed Rate = 2.5 ± 3.4 mm/yr   Wrms of fit = 11.3 mm   Reduced Chi square = 2.53
NUVEL model rate = 6.1 mm/yr   Weighted mean length = 7676223220.9 mm



Observed Rate = 67.3 ± 1.6 mm/yr   Wrms of fit = 6.0 mm   Reduced Chi square = 1.01
NUVEL model rate = 63.7 mm/yr

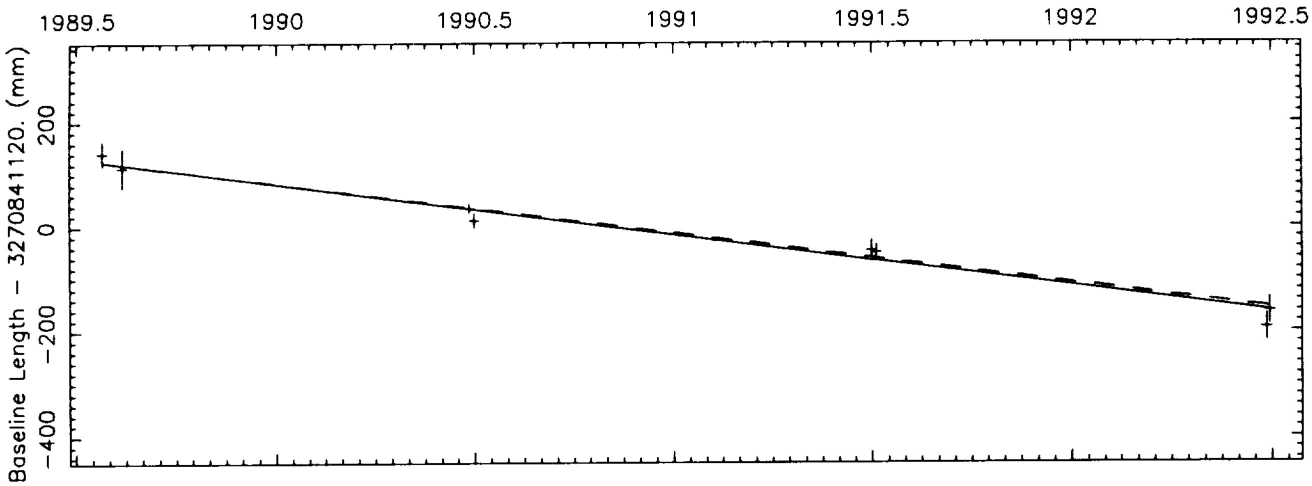


Observed Rate = −29.0 ± 6.1 mm/yr   Wrms of fit = 20.8 mm   Reduced Chi square = 2.93
NUVEL model rate = −25.7 mm/yr

Vector baseline plots for MARCUS -SESHAN25

Baseline length = 3270 kilometers

Number of sessions = 8



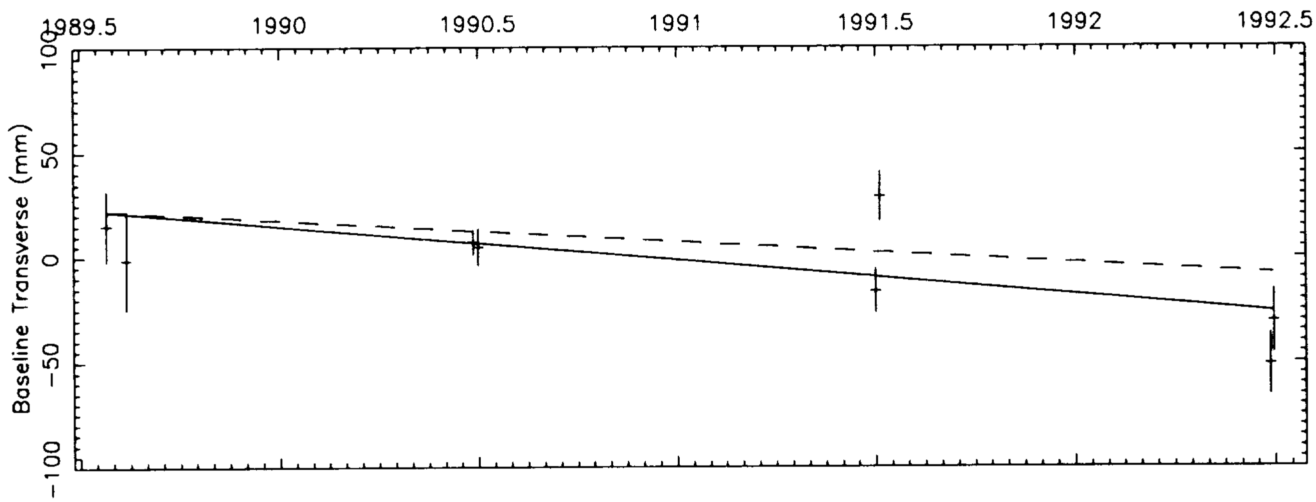
Observed Rate = -97.8 ± 7.9 mm/yr

NUVEL model rate = -95.4 mm/yr

Wrms of fit = 14.2 mm

Weighted mean length = 3270841121.3 mm

Reduced Chi square = 1.17

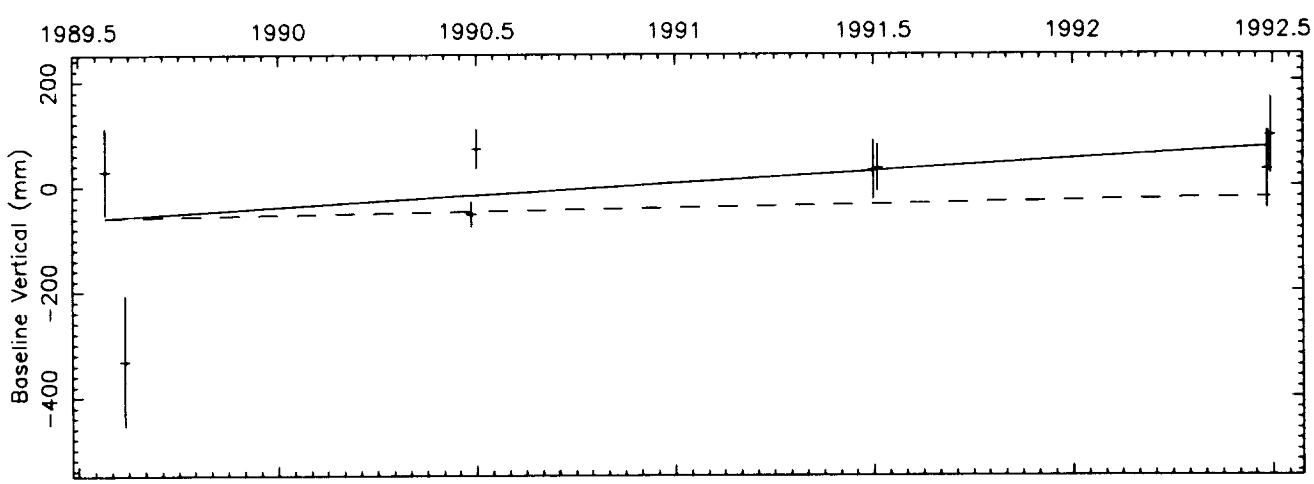


Observed Rate = -16.4 ± 7.5 mm/yr

NUVEL model rate = -10.2 mm/yr

Wrms of fit = 14.5 mm

Reduced Chi square = 2.54



Observed Rate = 45.3 ± 34.0 mm/yr

NUVEL model rate = 12.9 mm/yr

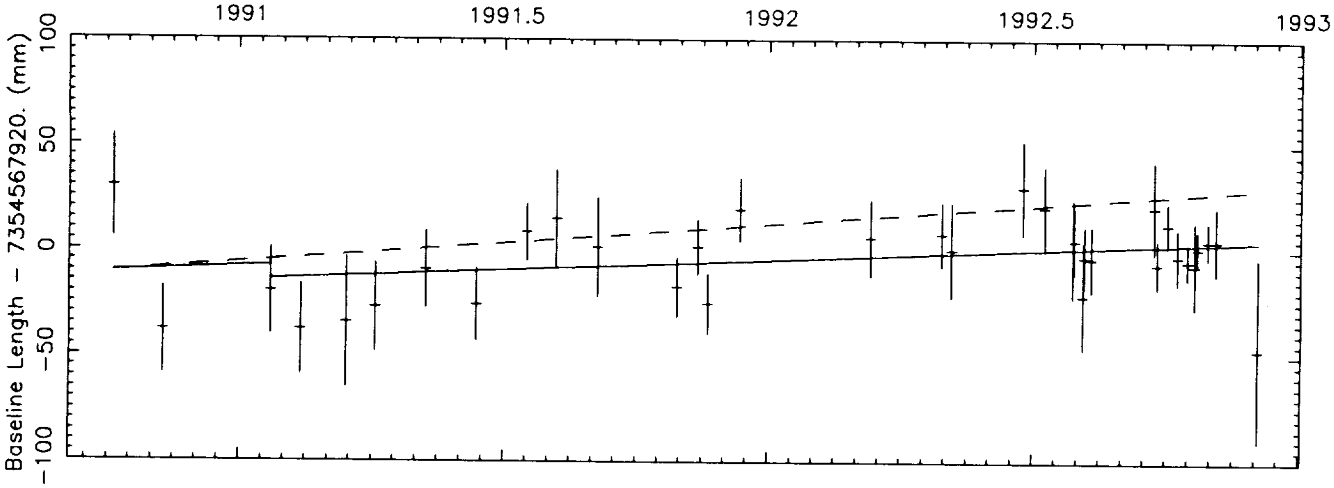
Wrms of fit = 61.0 mm

Reduced Chi square = 2.32

Vector baseline plots for MATERA -NRA085 3

Baseline length = 7354 kilometers

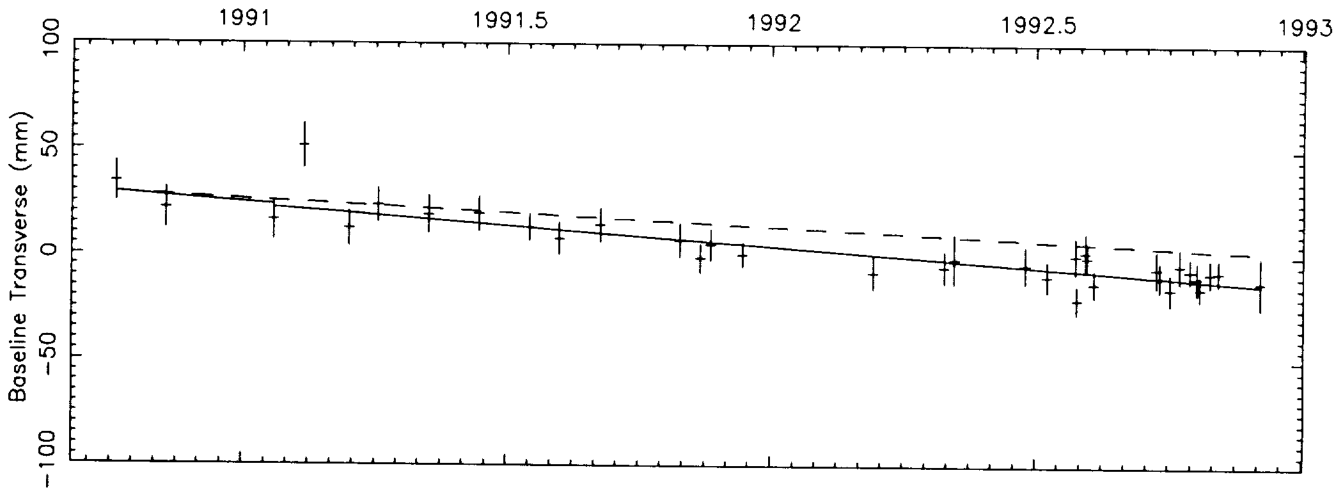
Number of sessions = 35



Observed Rate = 9.9 ± 4.4 mm/yr
NUVEL model rate = 18.4 mm/yr

Wrms of fit = 13.1 mm
Weighted mean length = 7354567918.6 mm
Offset = -6.6 ± 15.8 mm

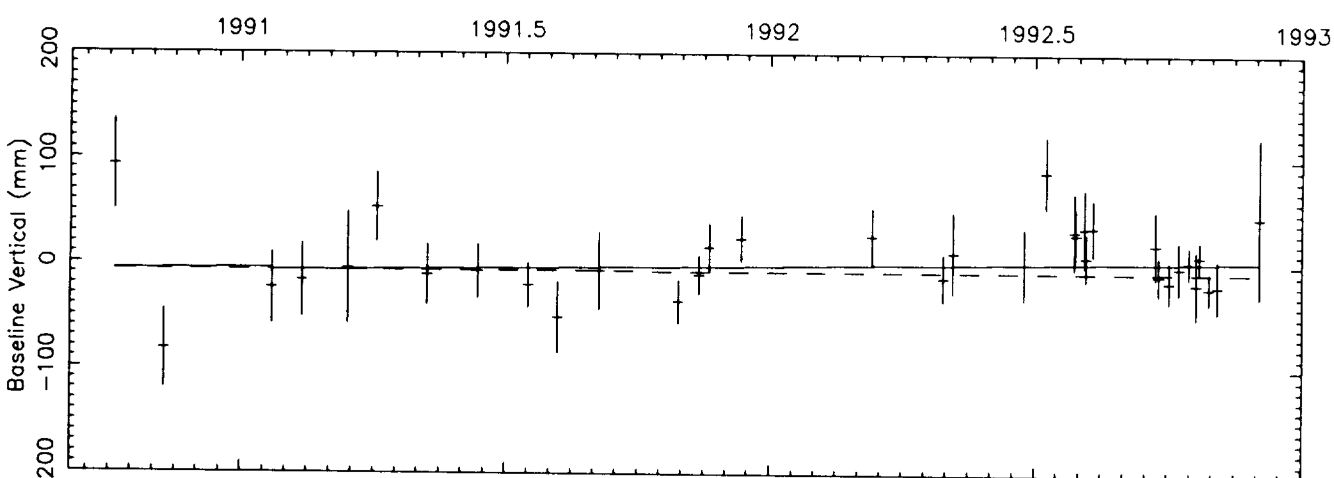
Reduced Chi square = .82



Observed Rate = -19.0 ± 2.1 mm/yr
NUVEL model rate = -12.6 mm/yr

Wrms of fit = 6.5 mm
Offset = -1.4 ± 6.9 mm

Reduced Chi square = .82



Observed Rate = 5.8 ± 8.7 mm/yr
NUVEL model rate = -.3 mm/yr

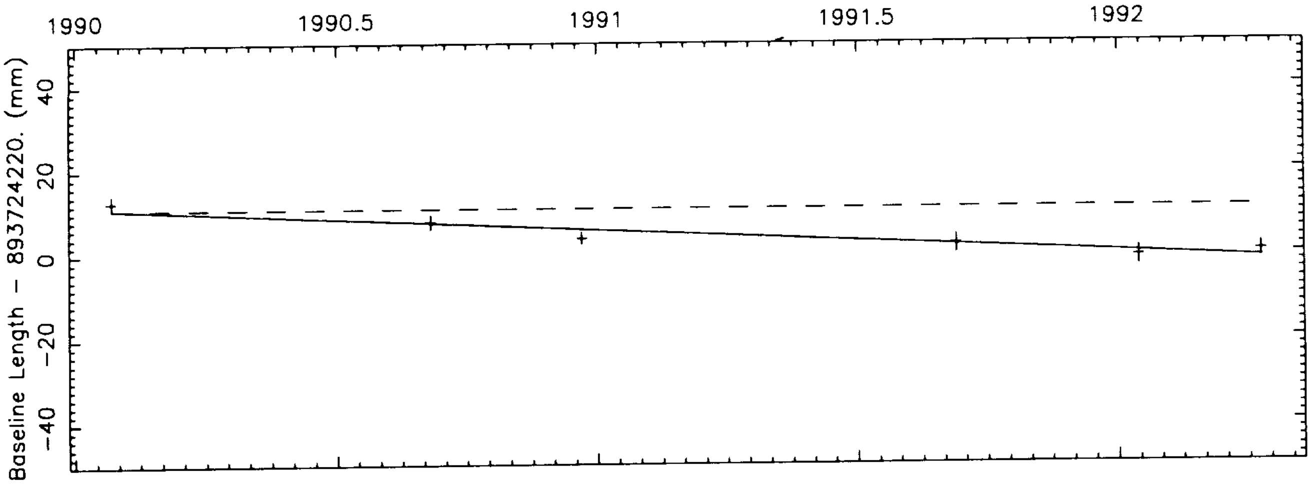
Wrms of fit = 26.4 mm

Reduced Chi square = 1.22
Offset = -2.3 ± 34.3 mm

Vector baseline plots for MEDICINA–NOTO

Baseline length = 893 kilometers

Number of sessions = 6



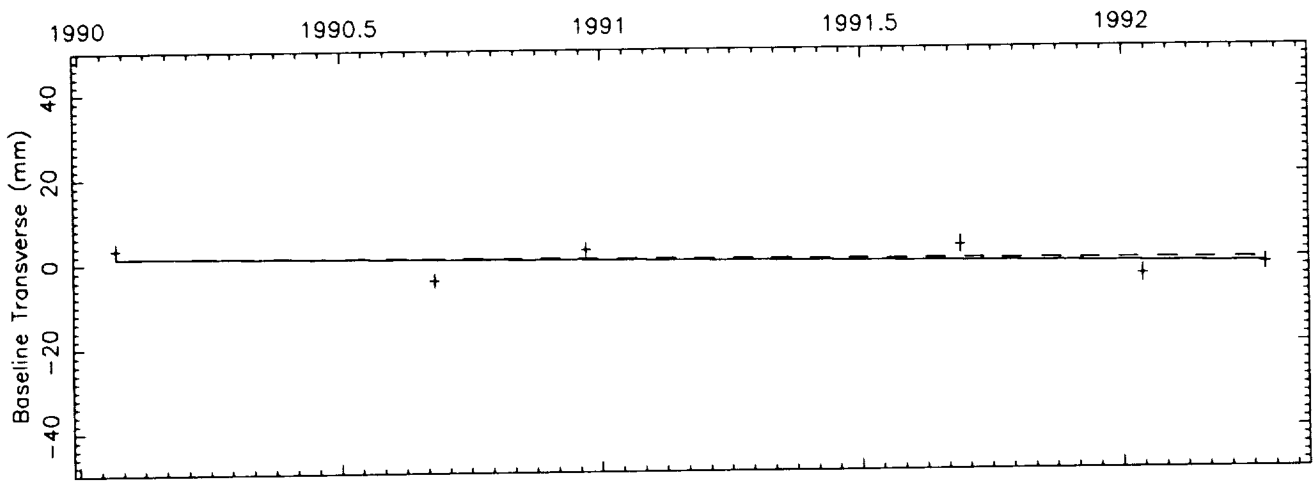
Observed Rate = –5.6 ± 1.0 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 1.5 mm

Weighted mean length = 893724224.8 mm

Reduced Chi square = 1.00

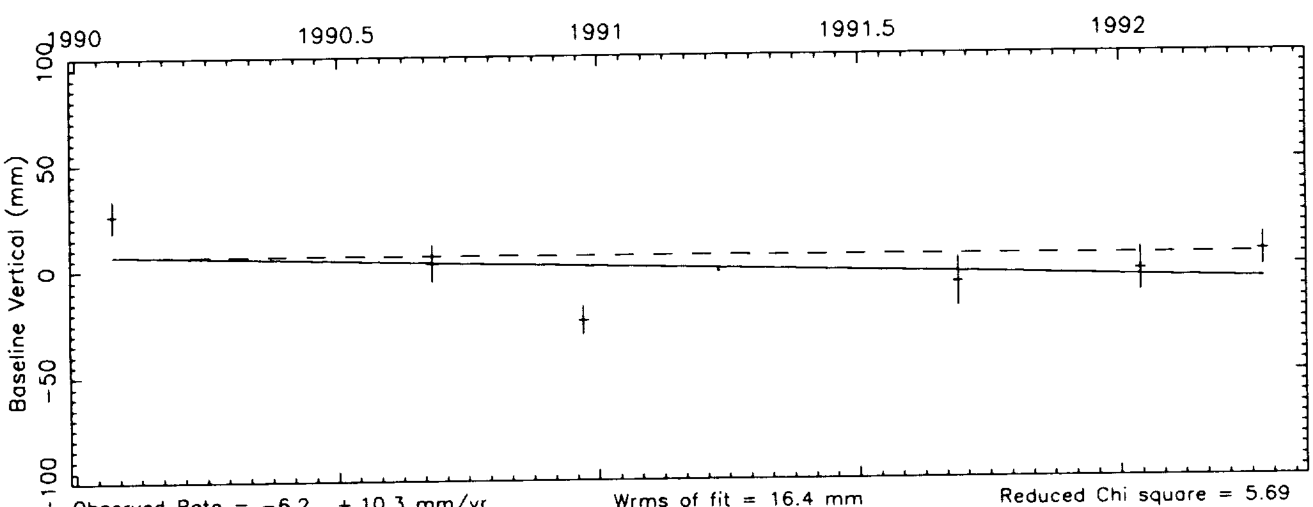


Observed Rate = –1.3 ± 2.1 mm/yr

NUVEL model rate = –.8 mm/yr

Wrms of fit = 3.1 mm

Reduced Chi square = 4.35



Observed Rate = –6.2 ± 10.3 mm/yr

NUVEL model rate = –.9 mm/yr

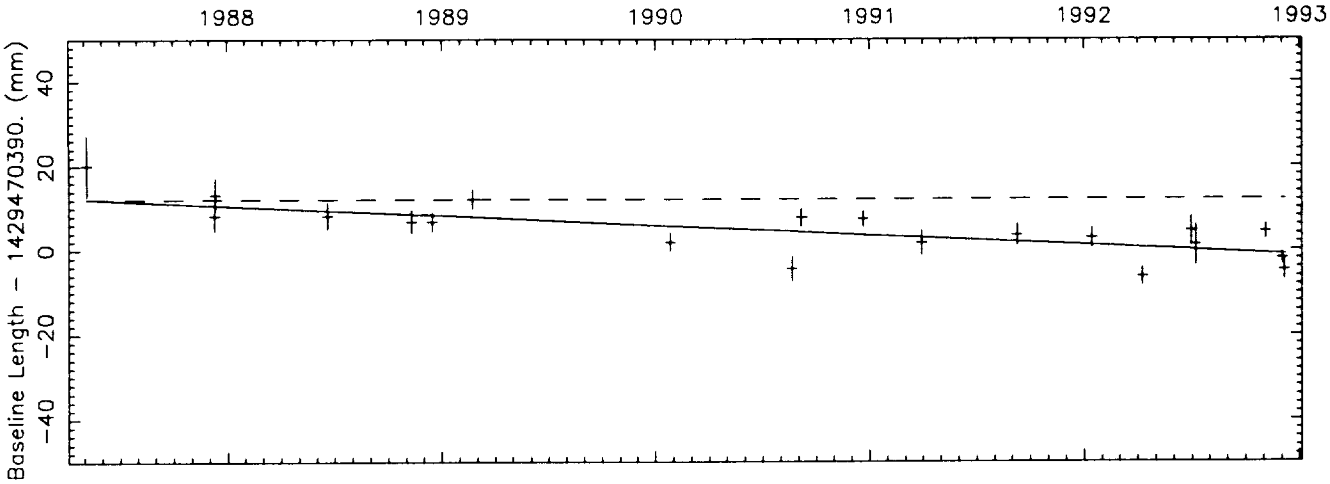
Wrms of fit = 16.4 mm

Reduced Chi square = 5.69

Vector baseline plots for MEDICINA–ONSALA60

Baseline length = 1429 kilometers

Number of sessions = 20



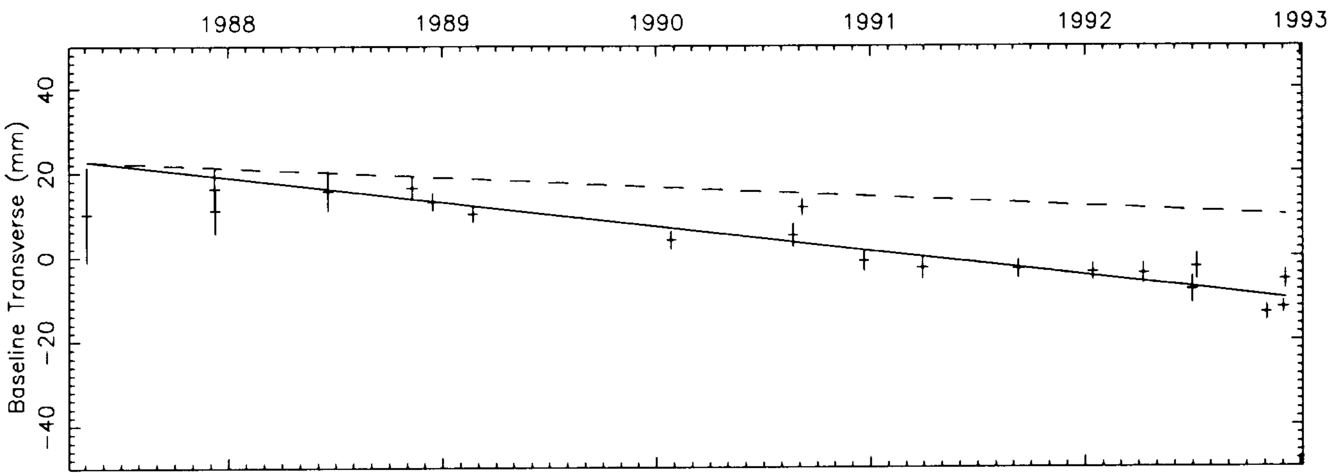
Observed Rate = –2.4 ± .5 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 3.8 mm

Weighted mean length = 1429470393.0 mm

Reduced Chi square = 2.85

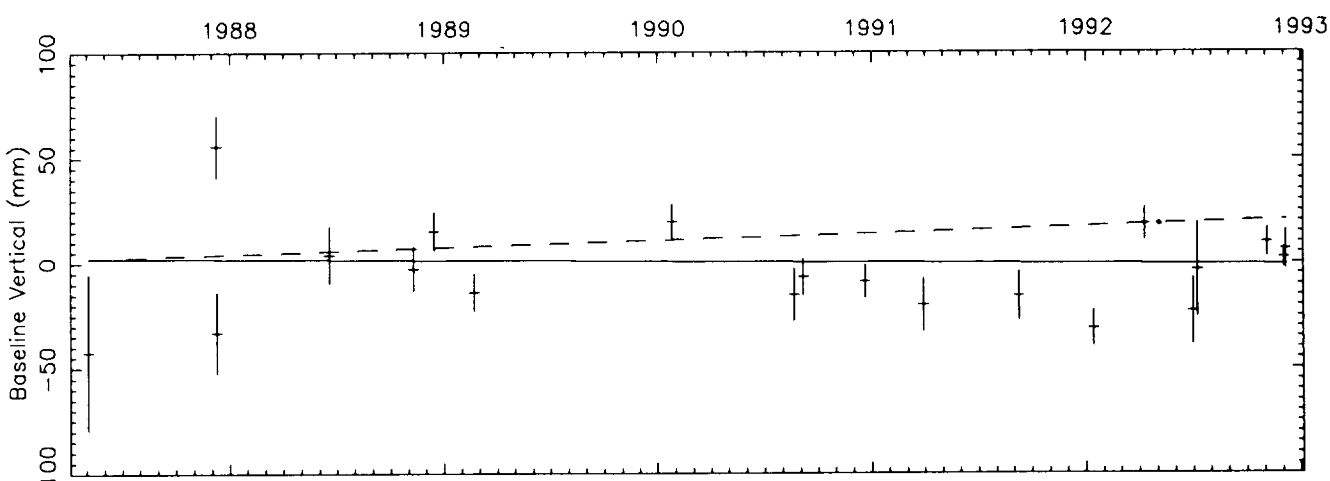


Observed Rate = –5.8 ± .5 mm/yr

NUVEL model rate = –2.3 mm/yr

Wrms of fit = 3.5 mm

Reduced Chi square = 2.44



Observed Rate = –.5 ± 2.4 mm/yr

NUVEL model rate = 3.3 mm/yr

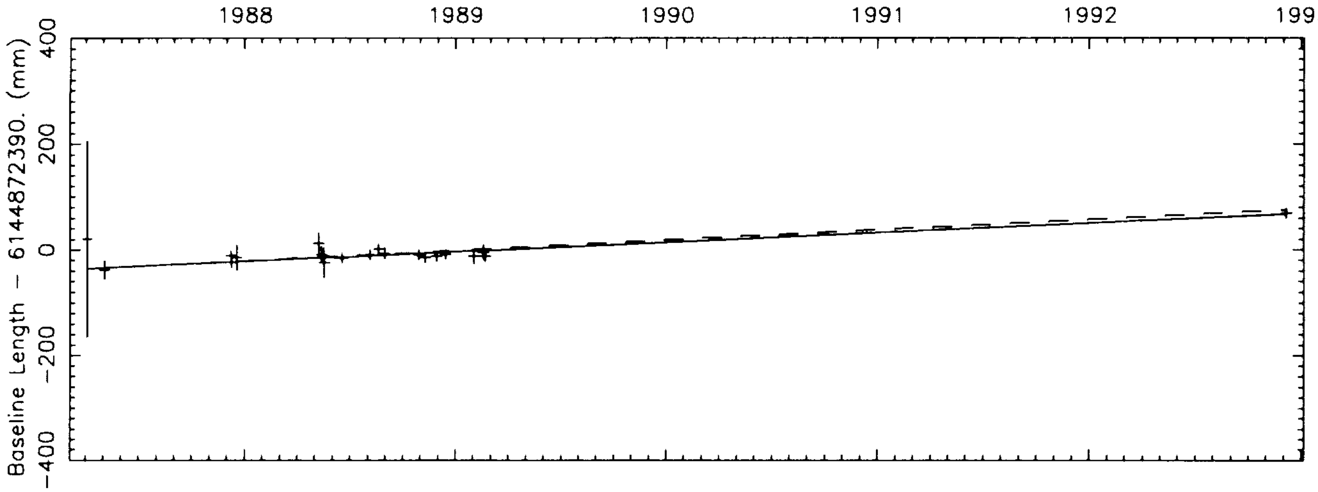
Wrms of fit = 16.6 mm

Reduced Chi square = 3.41

Vector baseline plots for MEDICINA–WESTFORD

Baseline length = 6144 kilometers

Number of sessions = 20



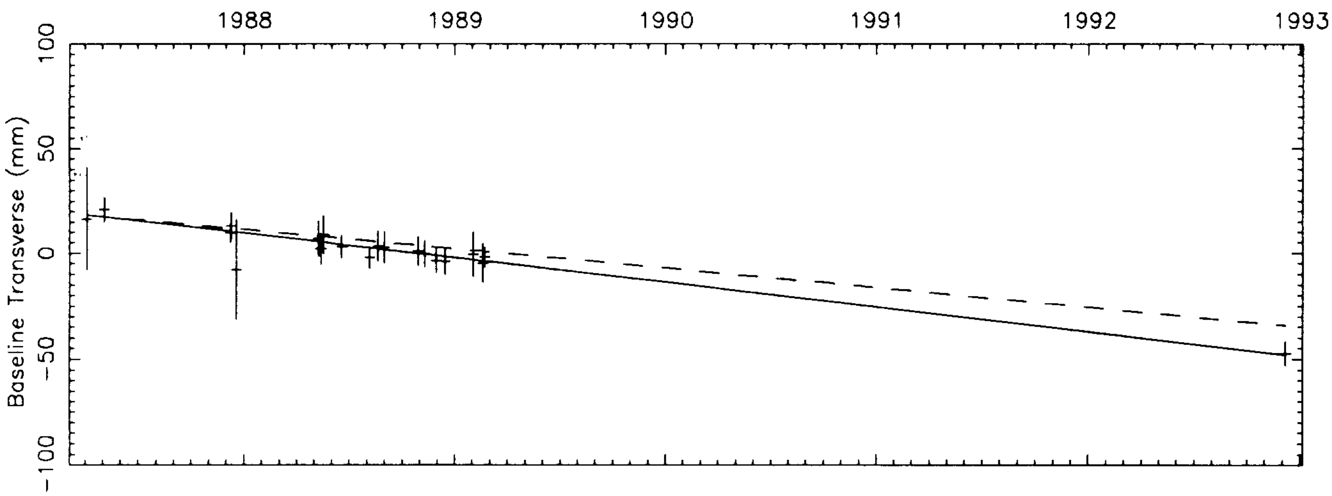
Observed Rate = 18.0 ± 1.2 mm/yr

NUVEL model rate = 19.5 mm/yr

Wrms of fit = 7.3 mm

Weighted mean length = 6144872389.7 mm

Reduced Chi square = .81

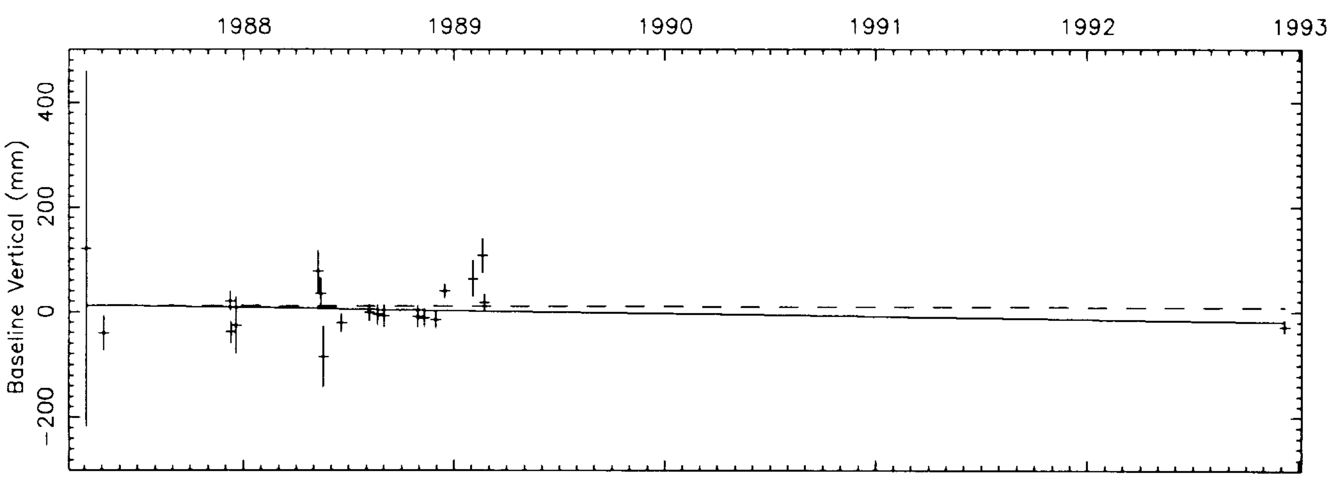


Observed Rate = −11.7 ± .5 mm/yr

NUVEL model rate = −9.3 mm/yr

Wrms of fit = 2.6 mm

Reduced Chi square = .17



Observed Rate = −5.5 ± 4.4 mm/yr

NUVEL model rate = −.6 mm/yr

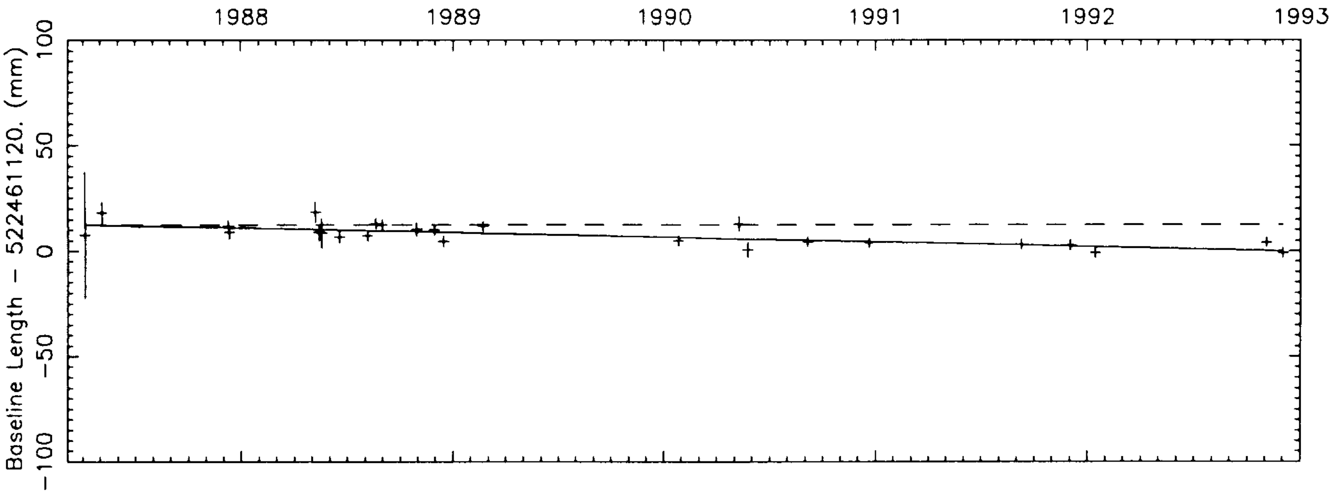
Wrms of fit = 29.6 mm

Reduced Chi square = 2.39

Vector baseline plots for MEDICINA–WETTZELL

Baseline length = 522 kilometers

Number of sessions = 25



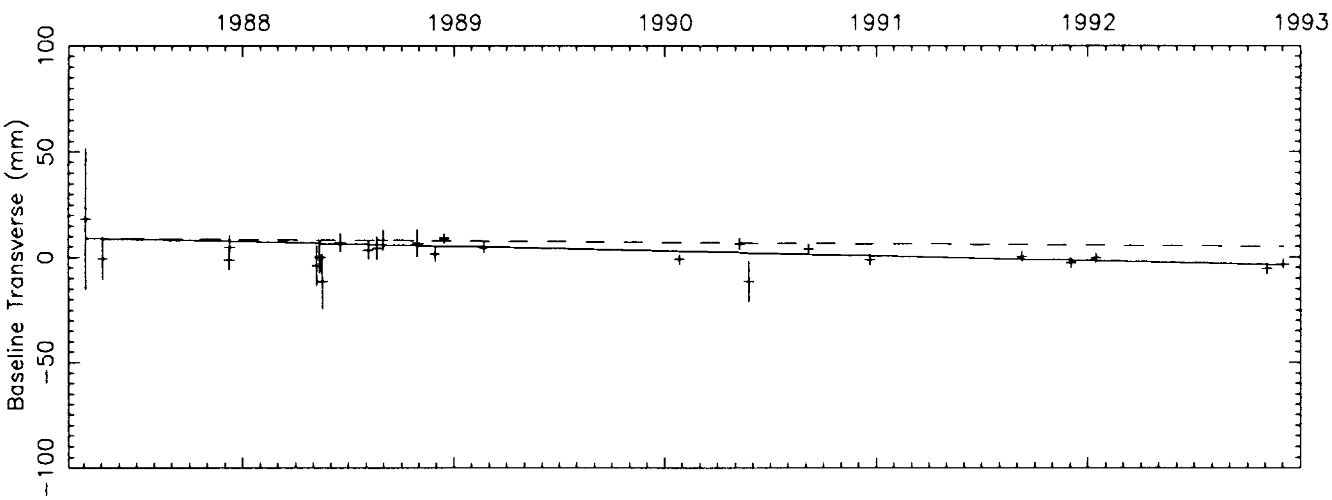
Observed Rate = −2.2 ± .3 mm/yr

Wrms of fit = 2.5 mm

Reduced Chi square = 1.96

NUVEL model rate = .0 mm/yr

Weighted mean length = 522461124.5 mm

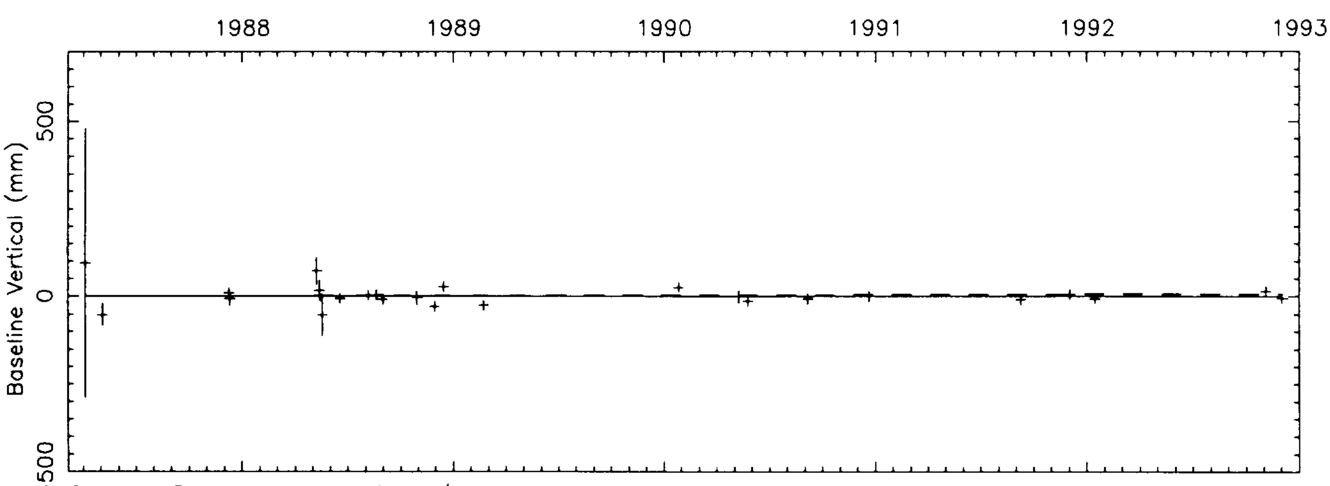


Observed Rate = −2.3 ± .3 mm/yr

Wrms of fit = 2.4 mm

Reduced Chi square = 1.66

NUVEL model rate = −.7 mm/yr



Observed Rate = .1 ± 1.9 mm/yr

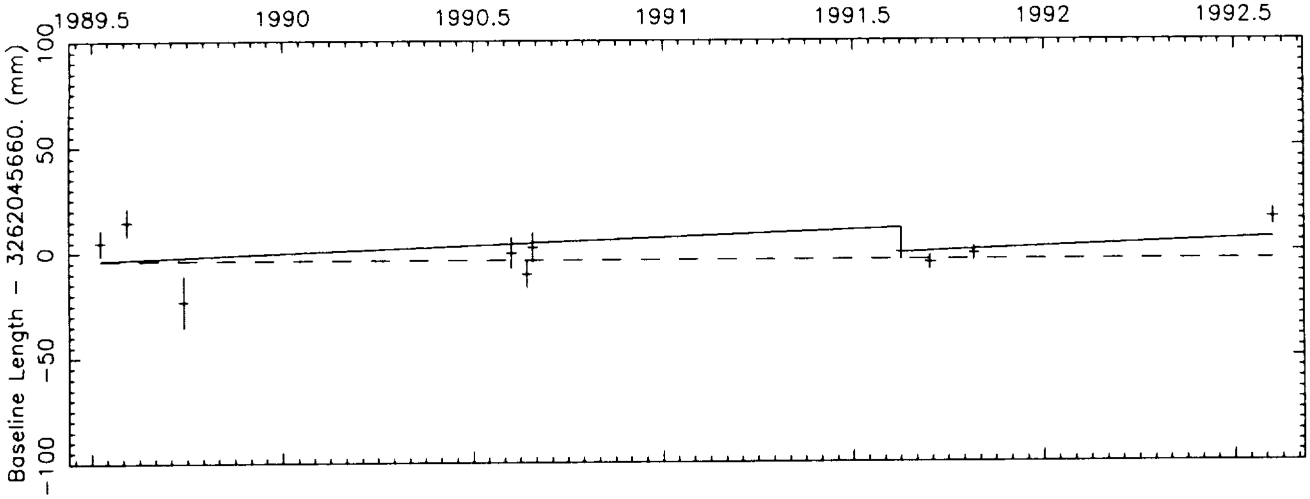
Wrms of fit = 14.9 mm

Reduced Chi square = 2.91

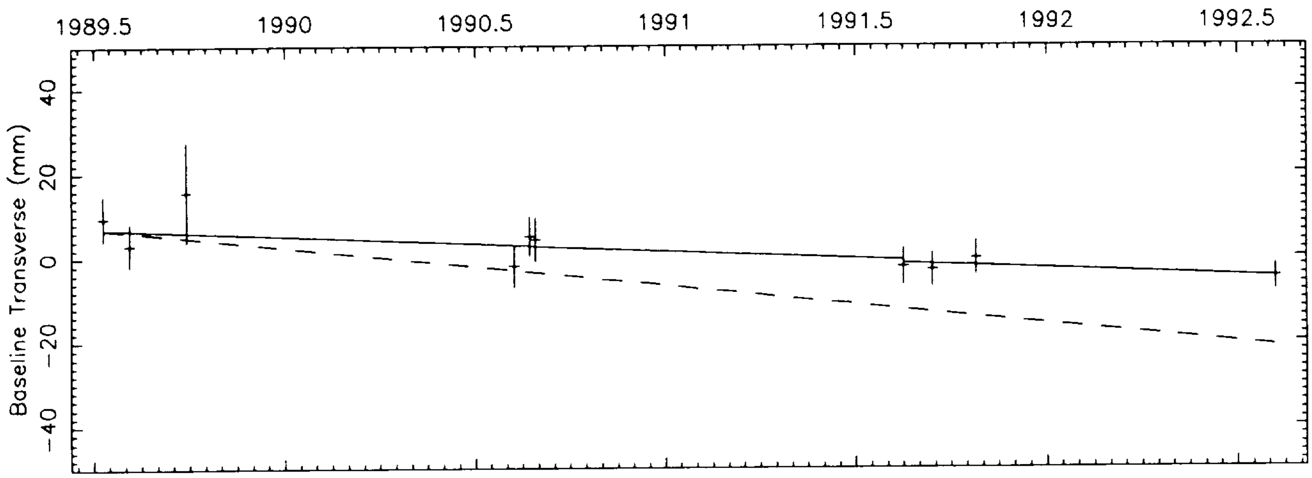
NUVEL model rate = 1.5 mm/yr

Vector baseline plots for MOJAVE12−NRAO85 3

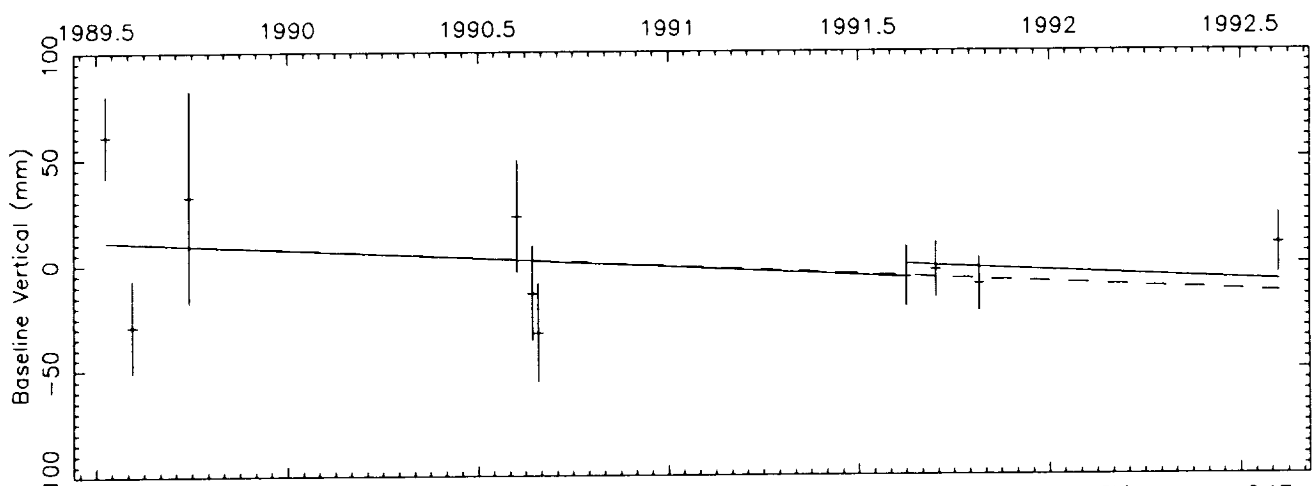
Baseline length = 3262 kilometers   Number of sessions = 10



Observed Rate = 7.1 ± 7.1 mm/yr   Wrms of fit = 7.7 mm   Reduced Chi square = 3.72
NUVEL model rate = .0 mm/yr   Weighted mean length = 3262045661.0 mm
Offset = −11.8 ± 14.0 mm



Observed Rate = −3.6 ± 2.0 mm/yr   Wrms of fit = 2.5 mm   Reduced Chi square = .44
NUVEL model rate = −9.1 mm/yr   Offset = −.7 ± 4.1 mm

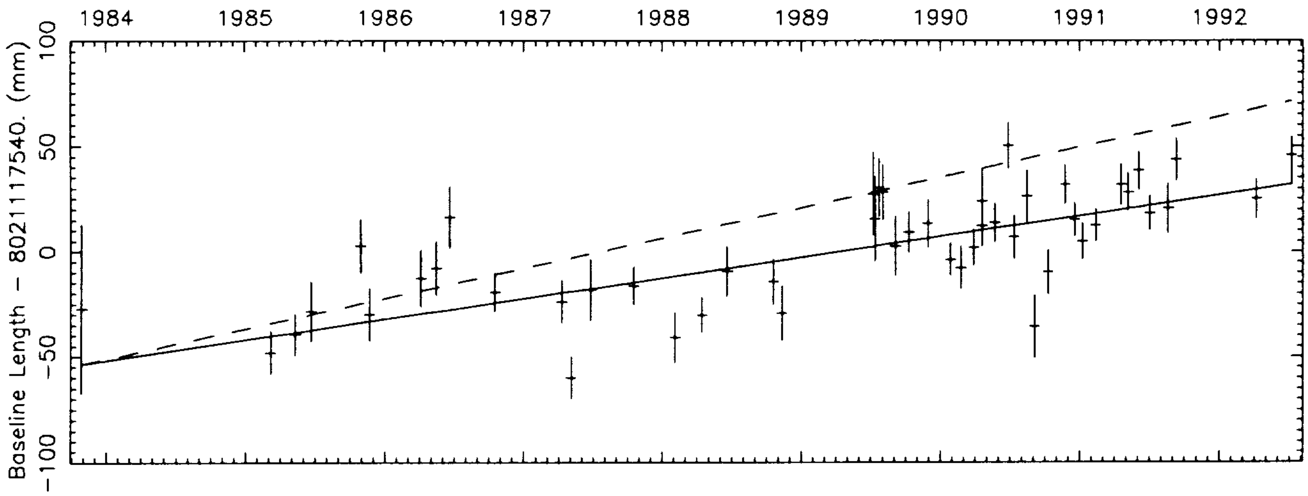


Observed Rate = −8.3 ± 18.9 mm/yr   Wrms of fit = 21.7 mm   Reduced Chi square = 2.17
NUVEL model rate = −8.1 mm/yr   Offset = 6.1 ± 38.5 mm

Vector baseline plots for MOJAVE12–ONSALA60

Baseline length = 8021 kilometers

Number of sessions = 49



Observed Rate = 9.8 ± 1.3 mm/yr

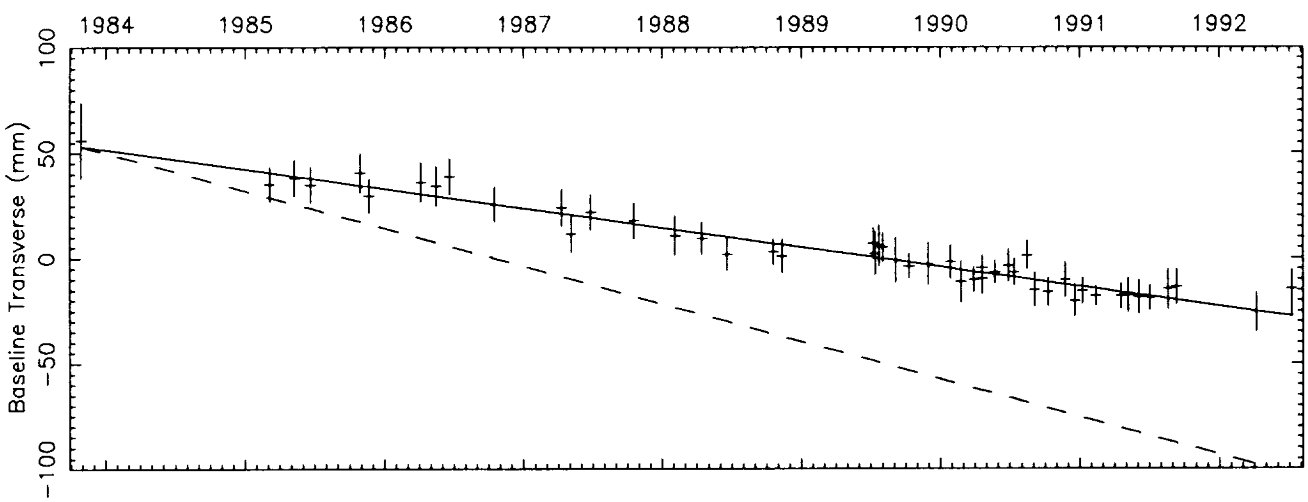
NUVEL model rate = 14.4 mm/yr

Wrms of fit = 16.6 mm

Weighted mean length = 8021117543.3 mm

Offset = 13.9 ± 14.8 mm

Reduced Chi square = 2.67



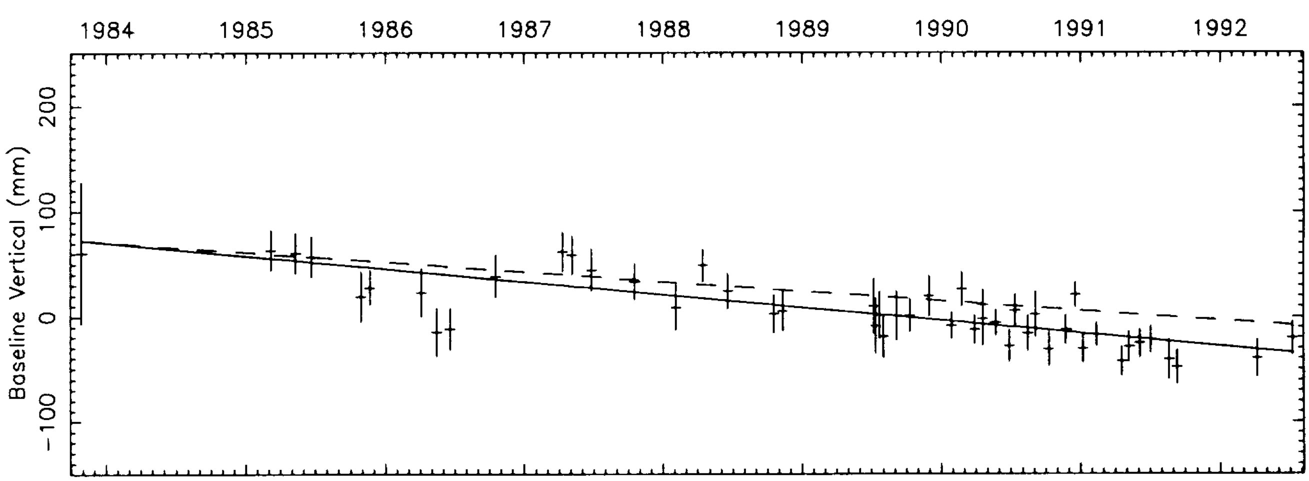
Observed Rate = –9.3 ± .4 mm/yr

NUVEL model rate = –17.9 mm/yr

Wrms of fit = 4.5 mm

Offset = 13.1 ± 5.5 mm

Reduced Chi square = .37



Observed Rate = –12.3 ± 1.5 mm/yr

NUVEL model rate = –9.3 mm/yr

Wrms of fit = 18.3 mm

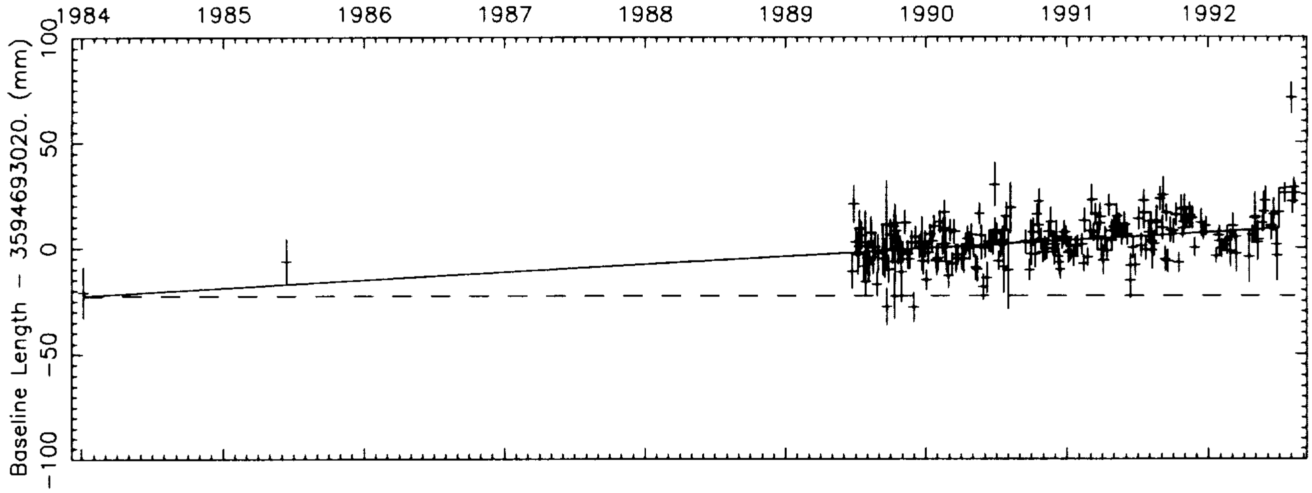
Reduced Chi square = 1.24

Offset = 14.3 ± 18.5 mm

Vector baseline plots for MOJAVE12–RICHMOND

Baseline length = 3594 kilometers

Number of sessions = 221



Observed Rate = 3.7 ± .7 mm/yr

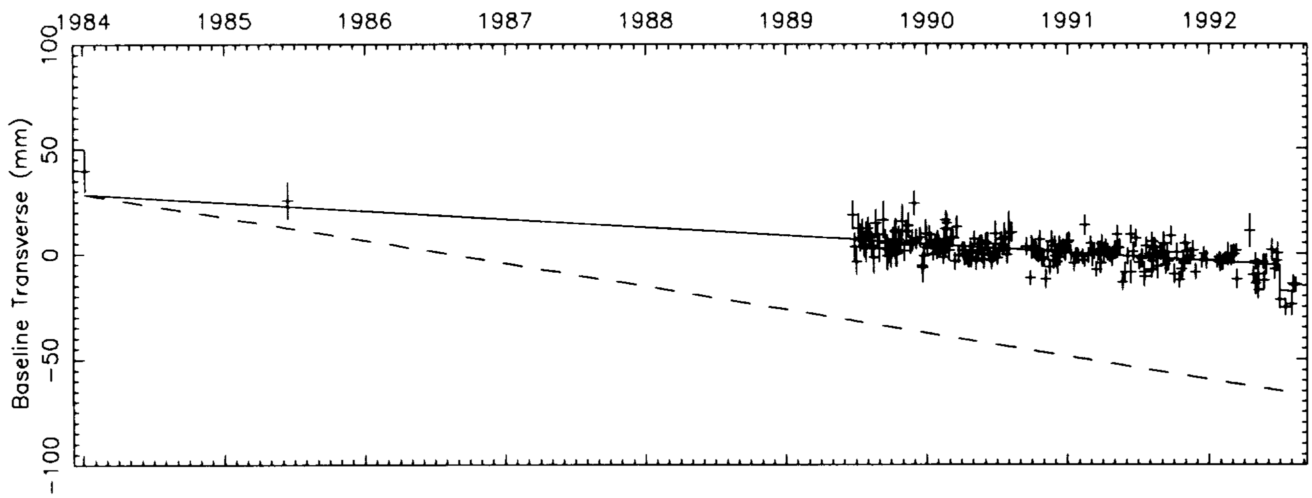
NUVEL model rate = .0 mm/yr

Wrms of fit = 8.2 mm

Weighted mean length = 3594693024.0 mm

Offset = 18.9 ± 3.4 mm

Reduced Chi square = 2.23



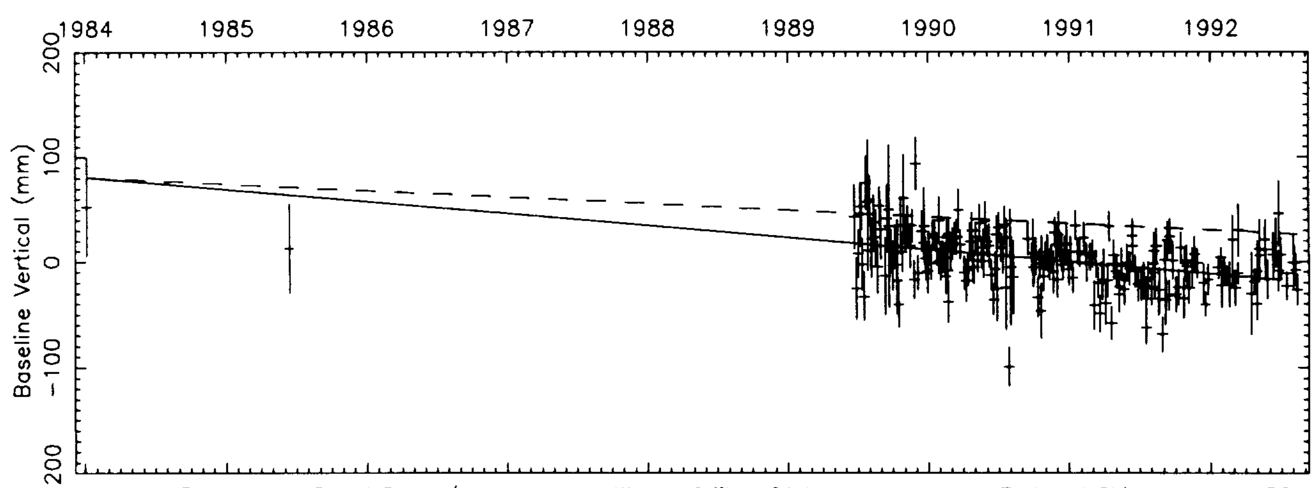
Observed Rate = −4.0 ± .4 mm/yr

NUVEL model rate = −11.0 mm/yr

Wrms of fit = 5.0 mm

Offset = −12.3 ± 2.0 mm

Reduced Chi square = 1.39



Observed Rate = −11.5 ± 1.8 mm/yr

NUVEL model rate = −6.3 mm/yr

Wrms of fit = 21.1 mm

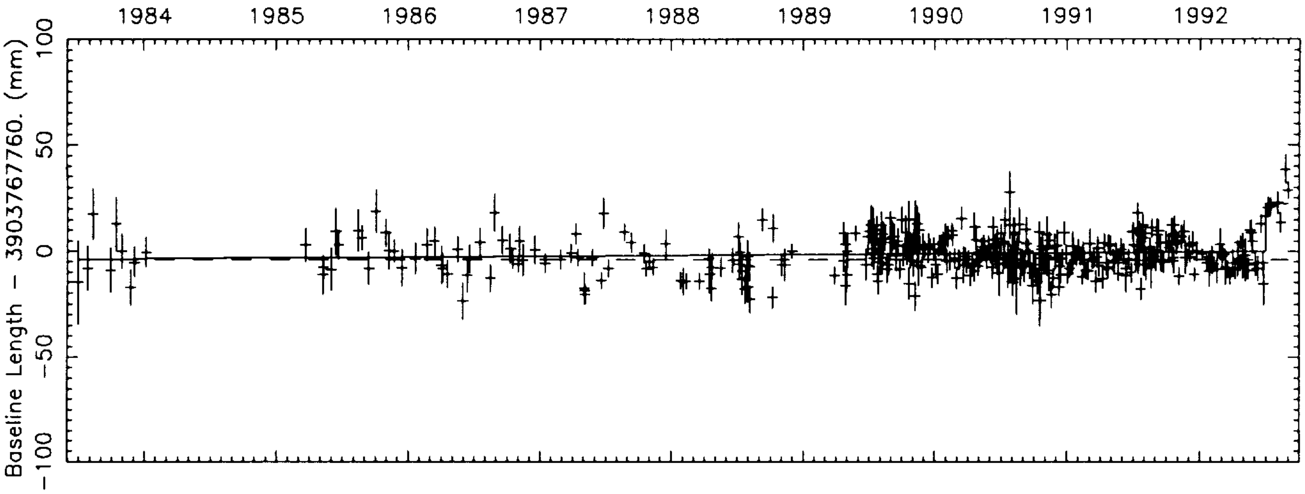
Reduced Chi square = 1.56

Offset = 6.5 ± 8.8 mm

Vector baseline plots for MOJAVE12–WESTFORD

Baseline length = 3903 kilometers

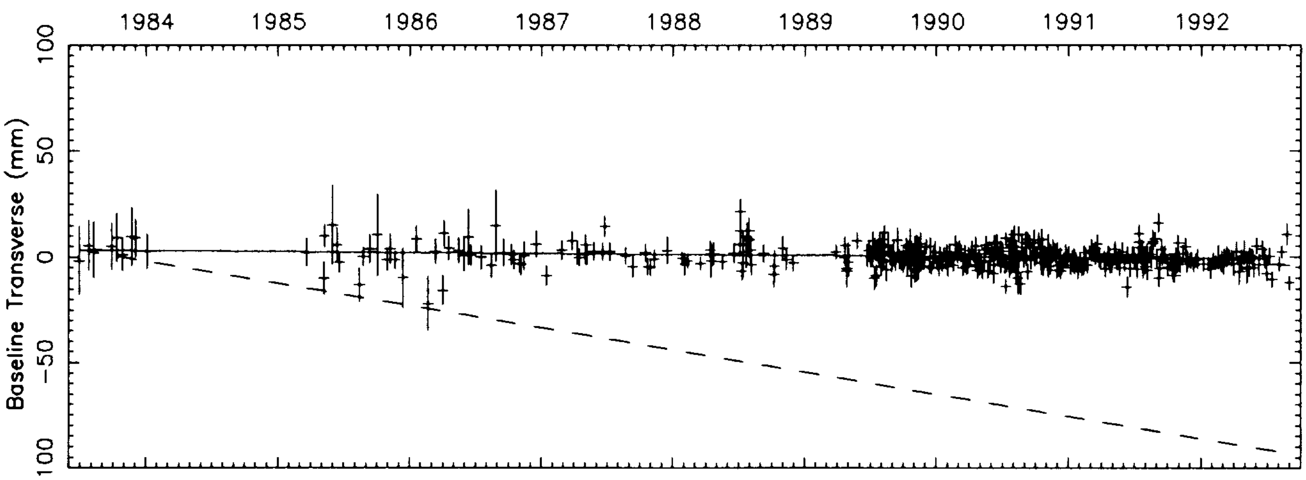
Number of sessions = 445



Observed Rate = .4 ± .2 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 6.8 mm
Weighted mean length = 3903767759.3 mm
Offset = 22.4 ± 2.7 mm

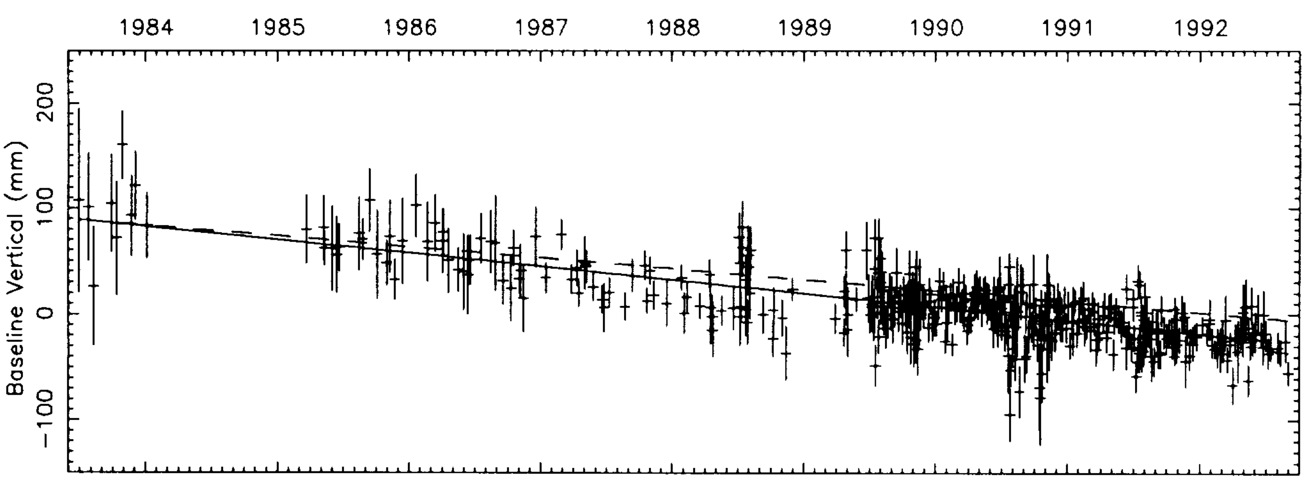
Reduced Chi square = 2.23



Observed Rate = –.5 ± .1 mm/yr
NUVEL model rate = –10.5 mm/yr

Wrms of fit = 4.3 mm
Offset = –2.8 ± 1.5 mm

Reduced Chi square = 1.23



Observed Rate = –12.7 ± .6 mm/yr
NUVEL model rate = –10.3 mm/yr

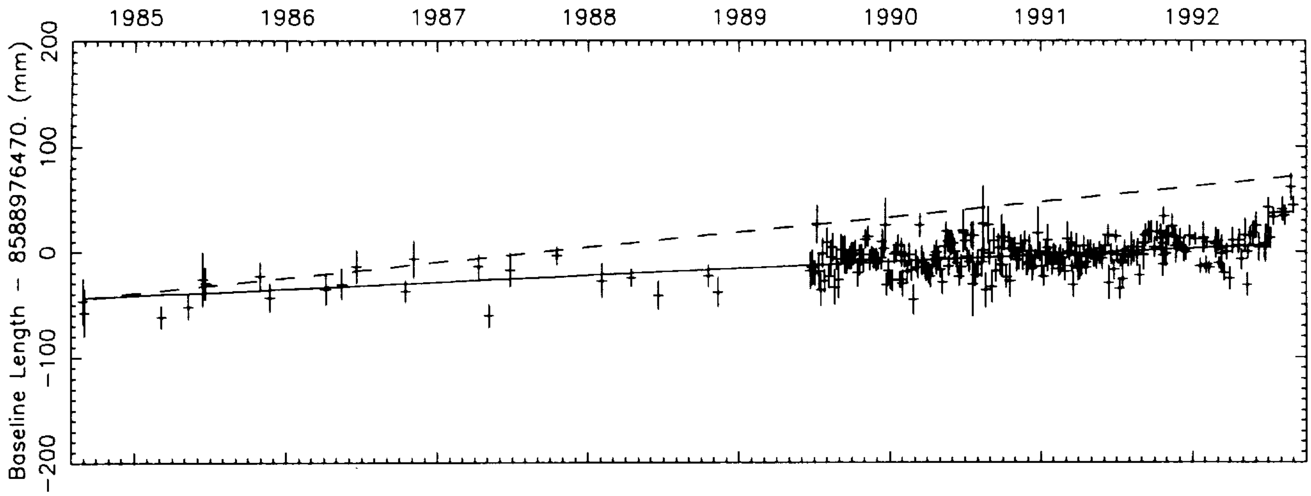
Wrms of fit = 16.7 mm

Reduced Chi square = 1.49
Offset = –8.9 ± 6.3 mm

Vector baseline plots for MOJAVE12–WETTZELL

Baseline length = 8588 kilometers

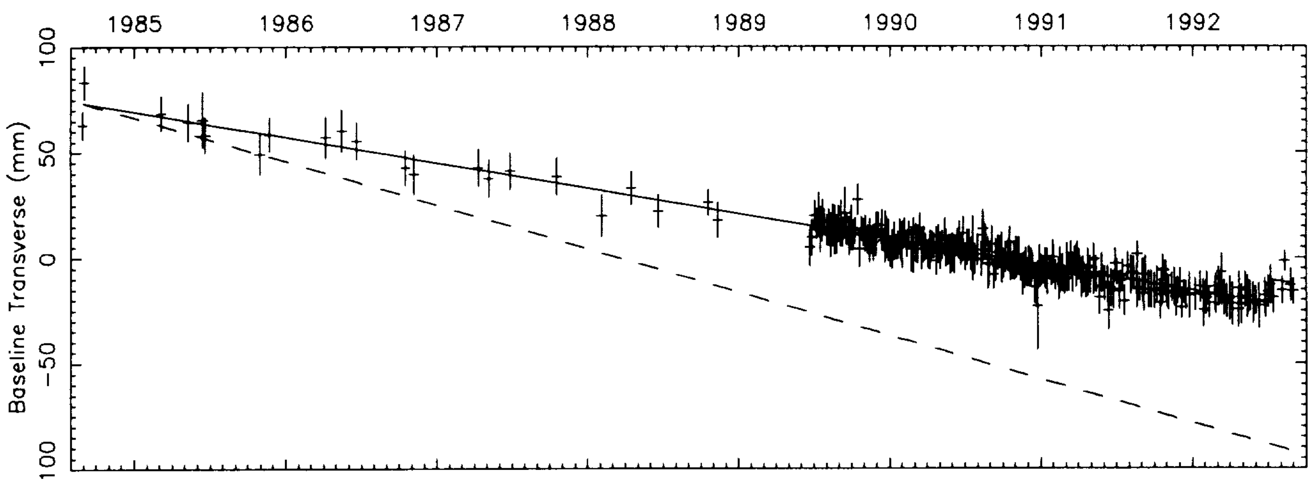
Number of sessions = 266



Observed Rate = 6.5 ± .7 mm/yr
NUVEL model rate = 14.5 mm/yr

Wrms of fit = 12.7 mm
Weighted mean length = 8588976467.5 mm
Offset = 30.6 ± 4.8 mm

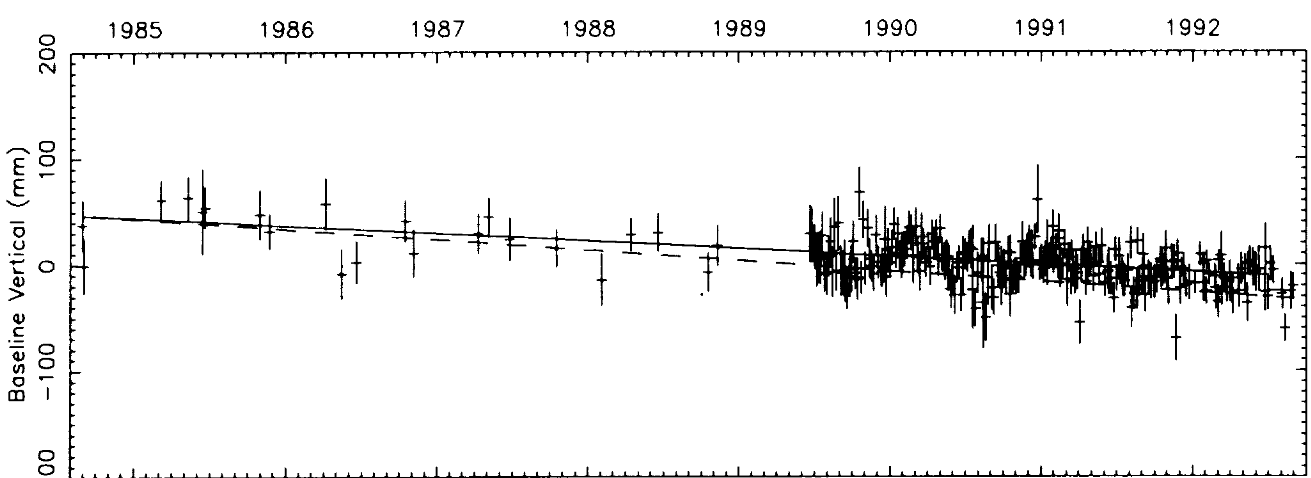
Reduced Chi square = 1.68



Observed Rate = −12.1 ± .2 mm/yr
NUVEL model rate = −20.7 mm/yr

Wrms of fit = 4.5 mm
Offset = 11.2 ± 1.6 mm

Reduced Chi square = .35



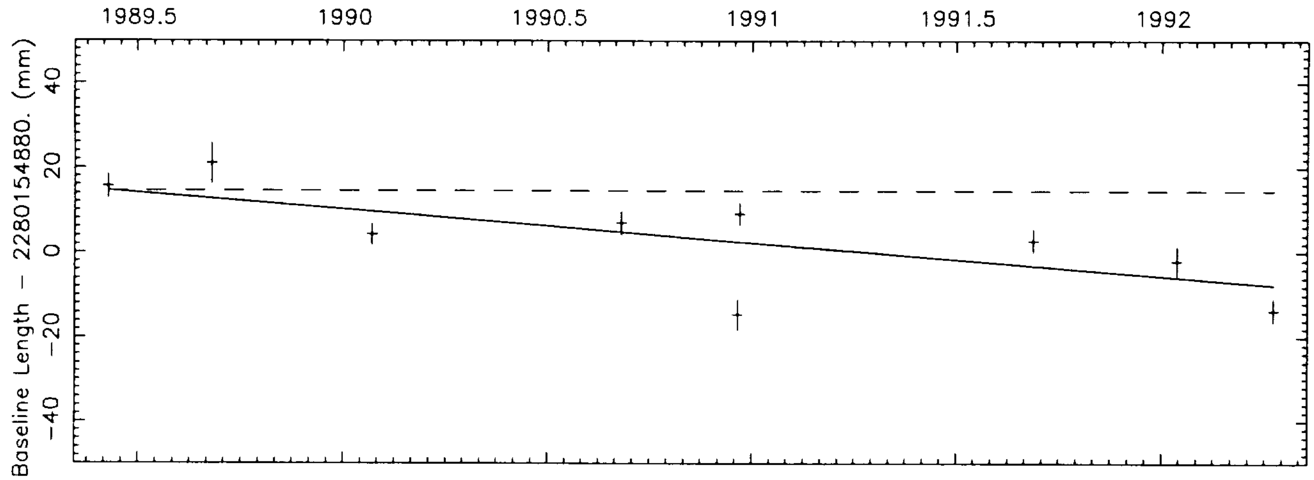
Observed Rate = −7.3 ± .8 mm/yr
NUVEL model rate = −9.8 mm/yr

Wrms of fit = 15.6 mm

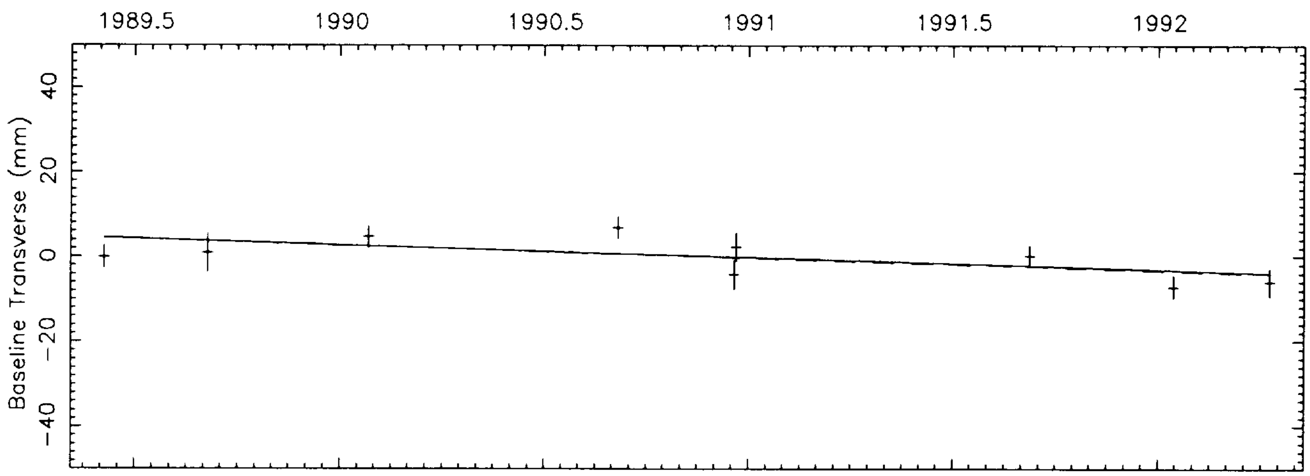
Reduced Chi square = 1.04
Offset = −14.2 ± 5.6 mm

Vector baseline plots for NOTO -ONSALA60

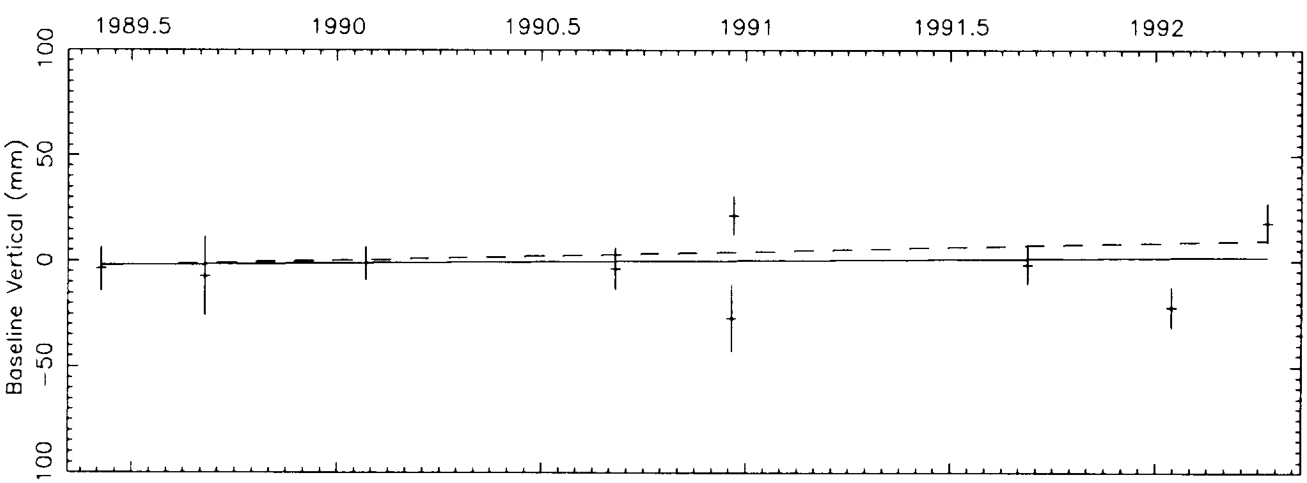
Baseline length = 2280 kilometers Number of sessions = 9



Observed Rate = -7.8 ± 2.8 mm/yr Wrms of fit = 6.8 mm Reduced Chi square = 7.14
NUVEL model rate = .0 mm/yr Weighted mean length = 2280154883.0 mm



Observed Rate = -2.9 ± 1.5 mm/yr Wrms of fit = 3.7 mm Reduced Chi square = 2.16
NUVEL model rate = -3.0 mm/yr

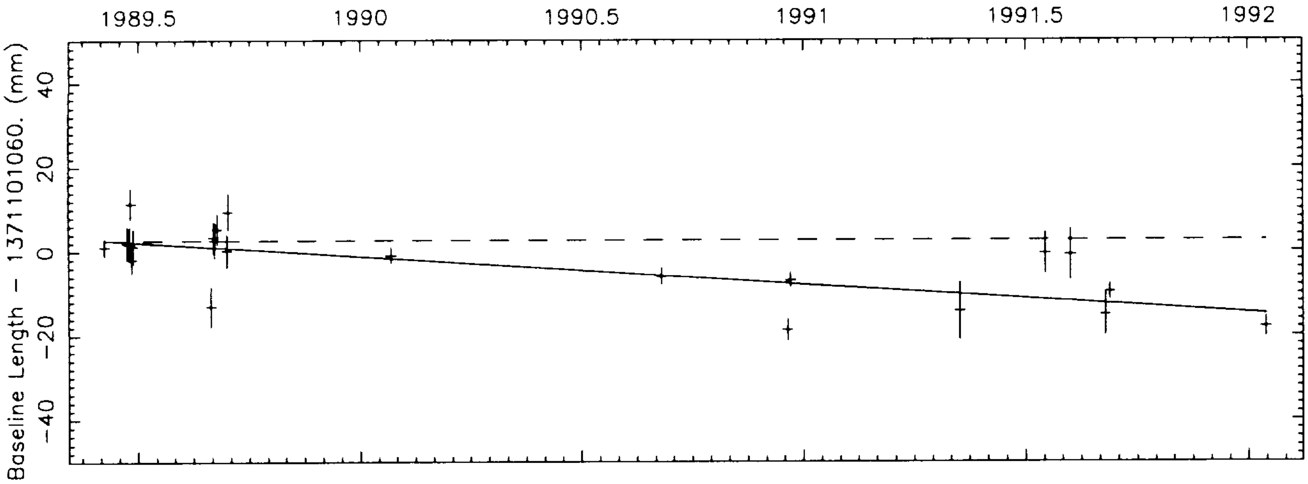


Observed Rate = 1.5 ± 5.7 mm/yr Wrms of fit = 14.2 mm Reduced Chi square = 2.56
NUVEL model rate = 4.2 mm/yr

Vector baseline plots for NOTO -WETTZELL

Baseline length = 1371 kilometers

Number of sessions = 22



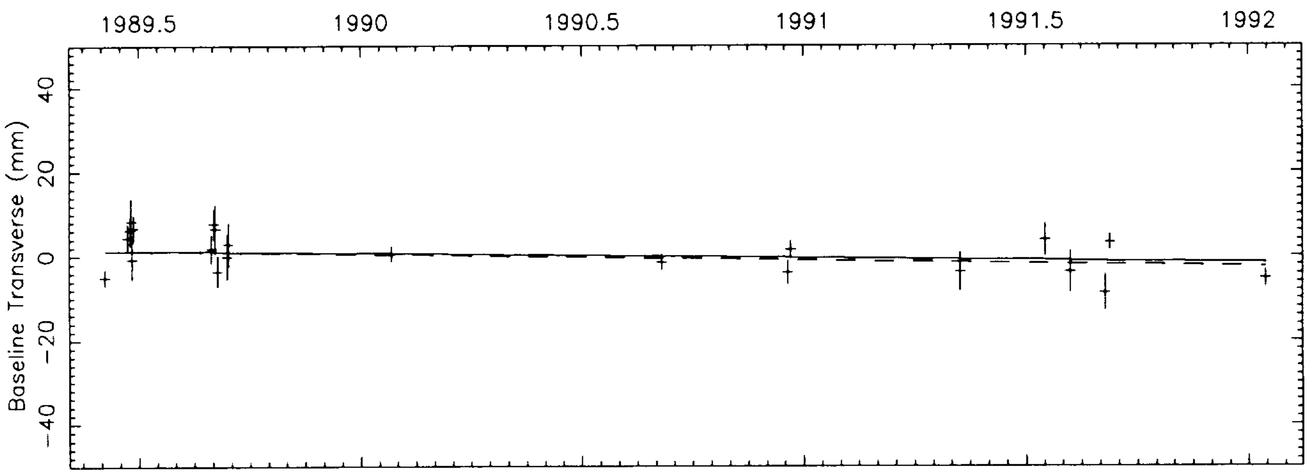
Observed Rate = -6.7 ± 1.2 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 4.6 mm

Weighted mean length = 1371101055.4 mm

Reduced Chi square = 2.73

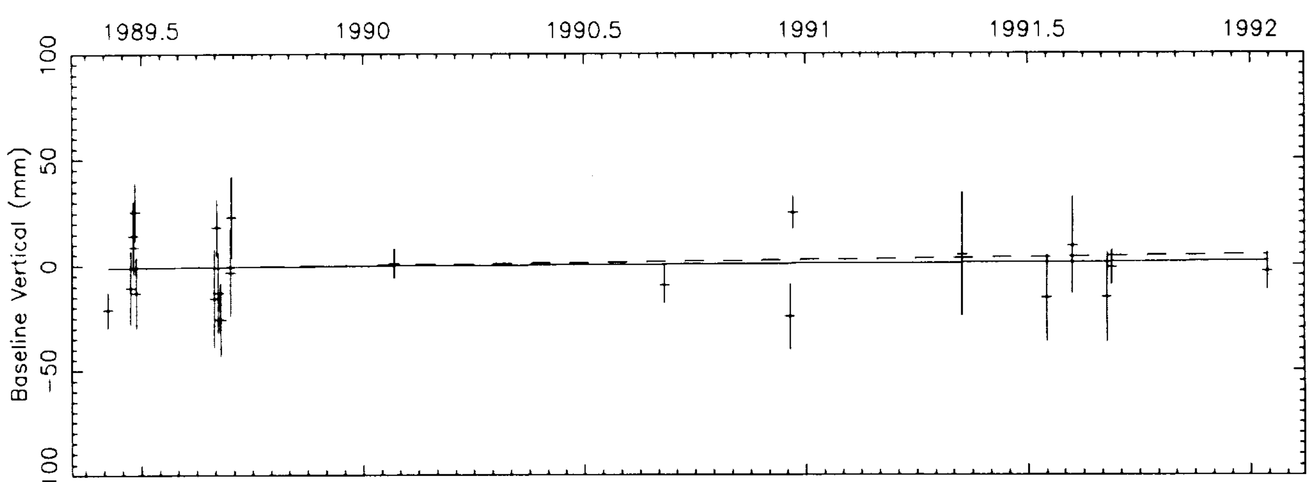


Observed Rate = -1.1 ± 1.0 mm/yr

NUVEL model rate = -1.5 mm/yr

Wrms of fit = 4.0 mm

Reduced Chi square = 2.11



Observed Rate = 1.2 ± 3.8 mm/yr

NUVEL model rate = 2.4 mm/yr

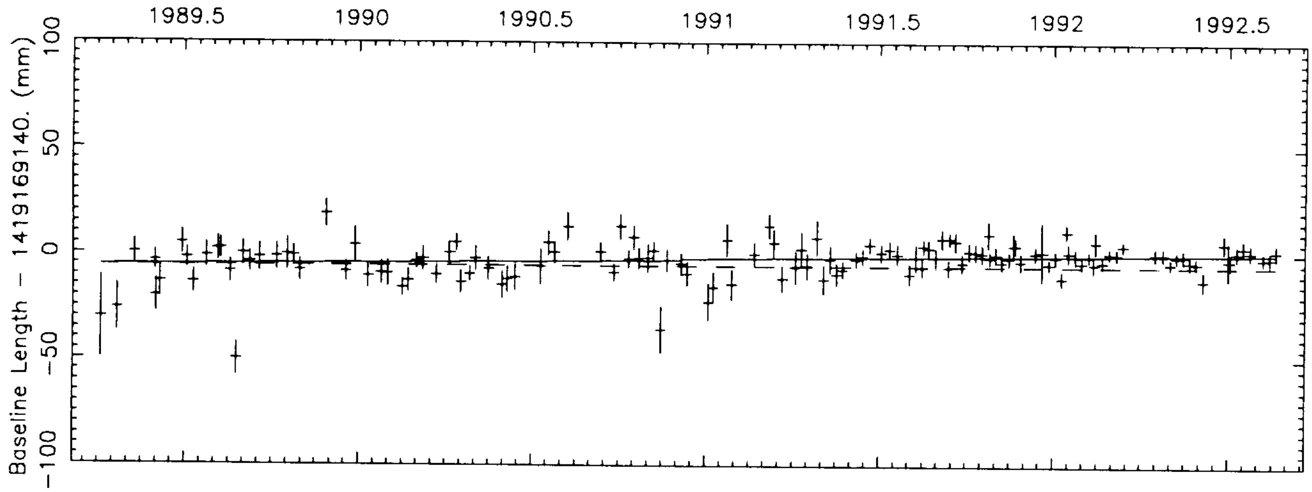
Wrms of fit = 15.4 mm

Reduced Chi square = 1.72

Vector baseline plots for NRAO85 3-RICHMOND

Baseline length = 1419 kilometers

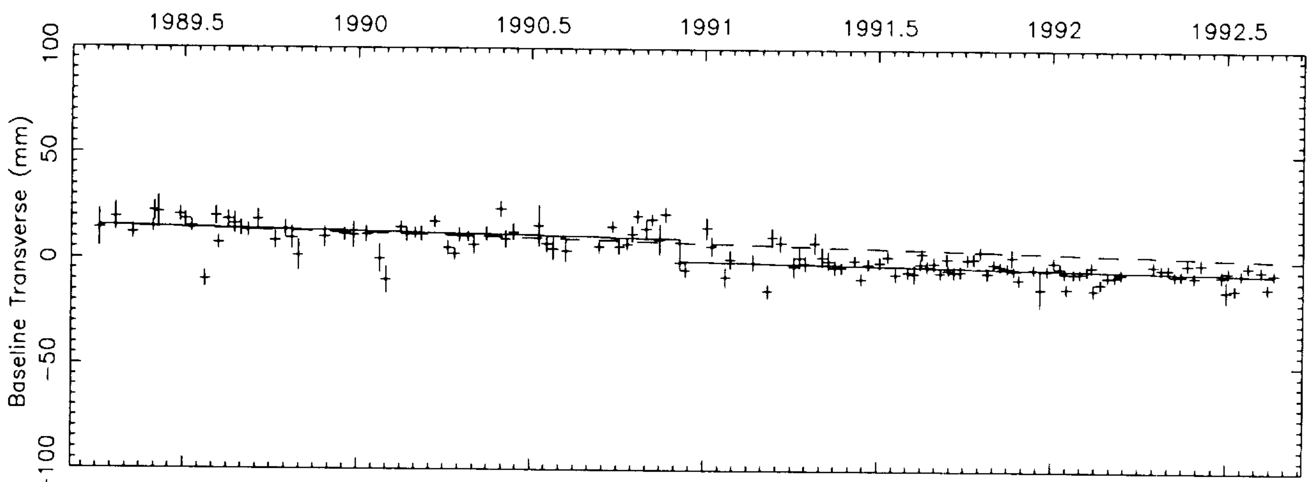
Number of sessions = 134



Observed Rate = 1.6 ± 1.3 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 5.9 mm
Weighted mean length = 1419169138.4 mm
Offset = .8 ± 2.6 mm

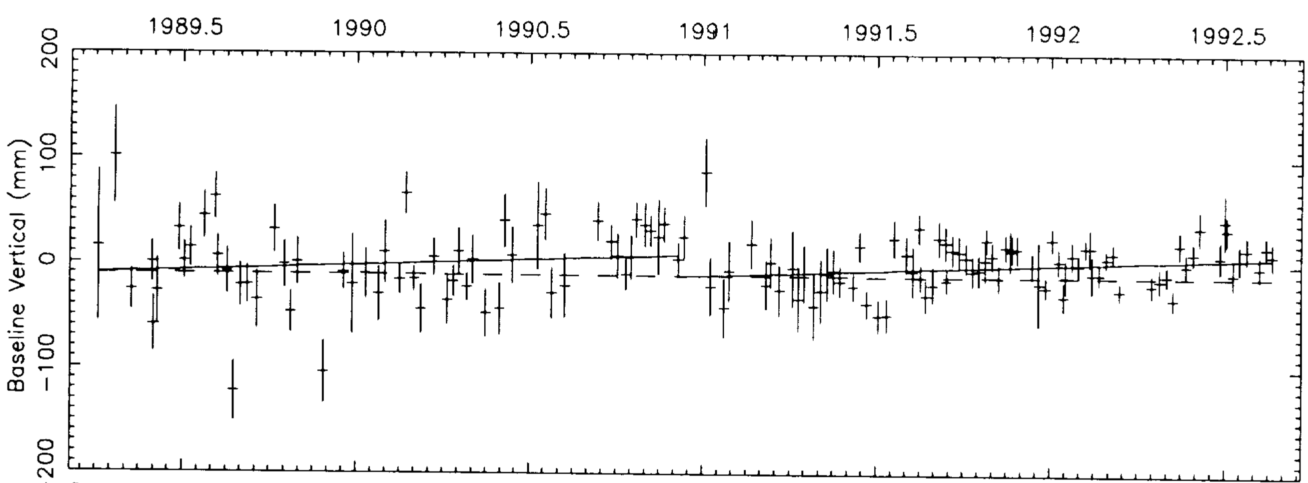
Reduced Chi square = 2.07



Observed Rate = -3.4 ± .9 mm/yr
NUVEL model rate = -4.4 mm/yr

Wrms of fit = 4.5 mm
Offset = -10.5 ± 1.9 mm

Reduced Chi square = 2.61



Observed Rate = 11.2 ± 4.9 mm/yr
NUVEL model rate = -.4 mm/yr

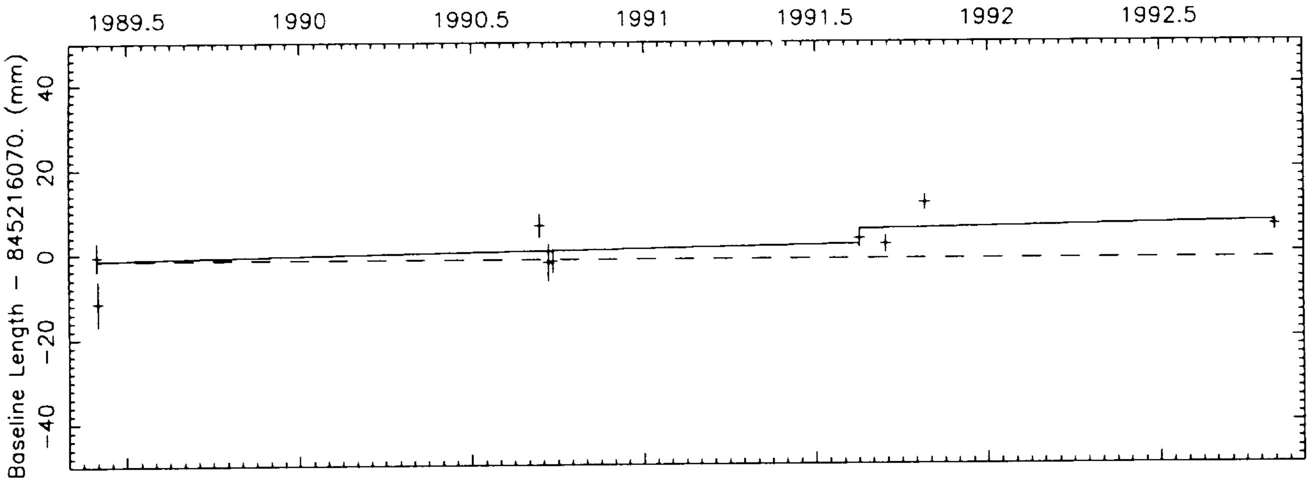
Wrms of fit = 23.0 mm

Reduced Chi square = 2.22
Offset = -20.3 ± 10.0 mm

Vector baseline plots for NRA085 3-WESTFORD

Baseline length = 845 kilometers

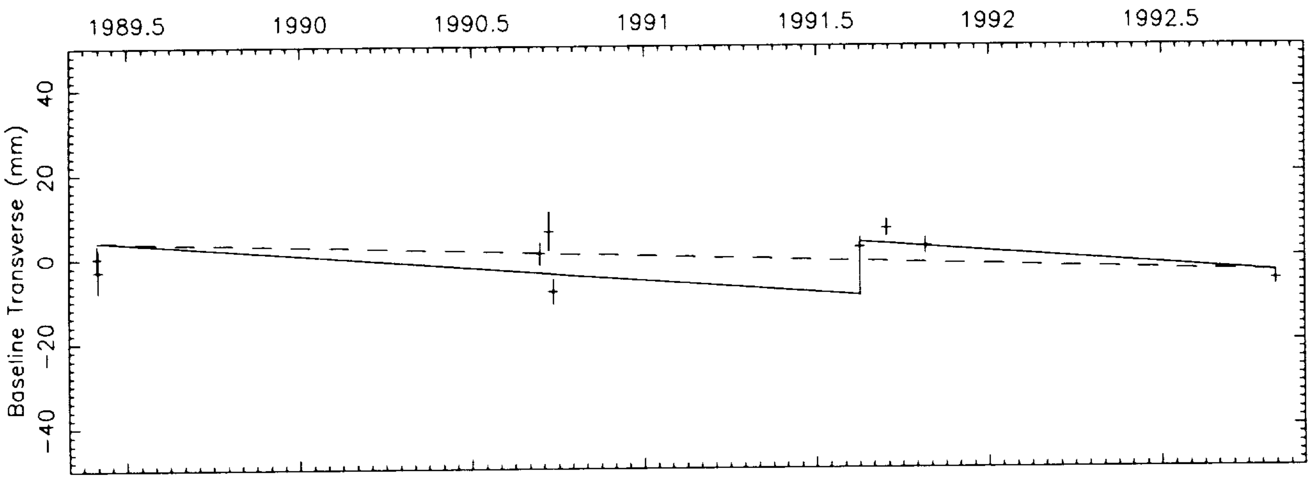
Number of sessions = 9



Observed Rate = 1.5 ± 2.8 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 3.9 mm
Weighted mean length = 845216074.5 mm
Offset = 3.5 ± 6.3 mm

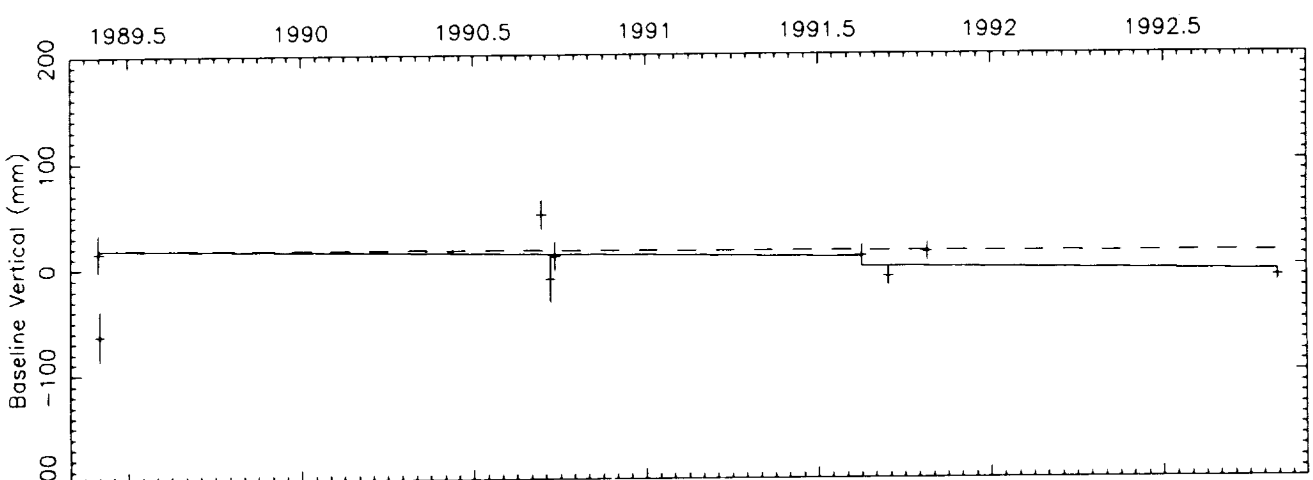
Reduced Chi square = 4.19



Observed Rate = -6.0 ± 2.5 mm/yr
NUVEL model rate = -2.3 mm/yr

Wrms of fit = 3.4 mm
Offset = 12.7 ± 5.6 mm

Reduced Chi square = 2.94



Observed Rate = -4.4 ± 12.2 mm/yr
NUVEL model rate = -1.5 mm/yr

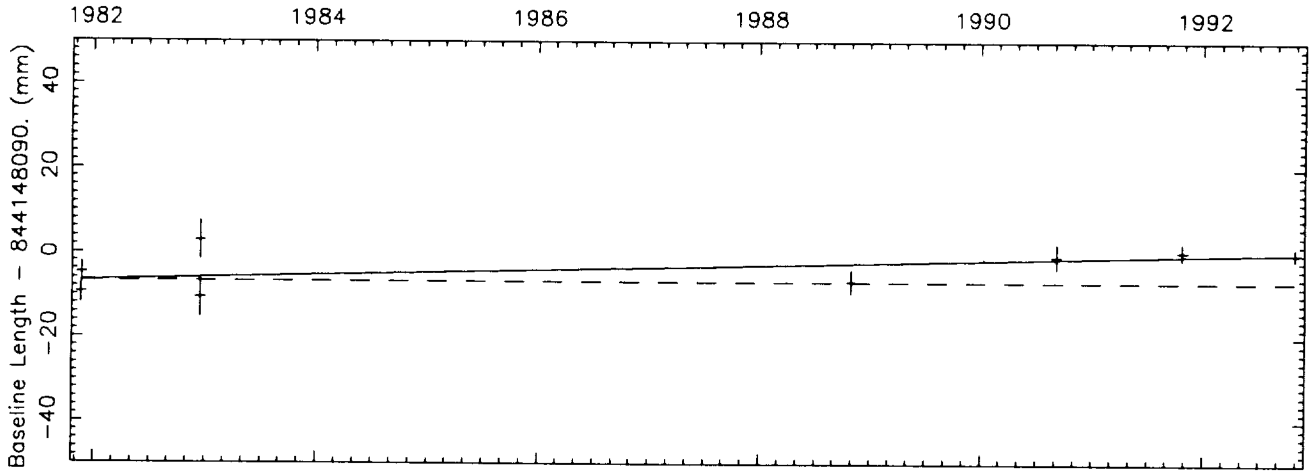
Wrms of fit = 16.7 mm

Reduced Chi square = 4.16
Offset = -8.6 ± 29.1 mm

Vector baseline plots for NRAO 140–WESTFORD

Baseline length = 844 kilometers

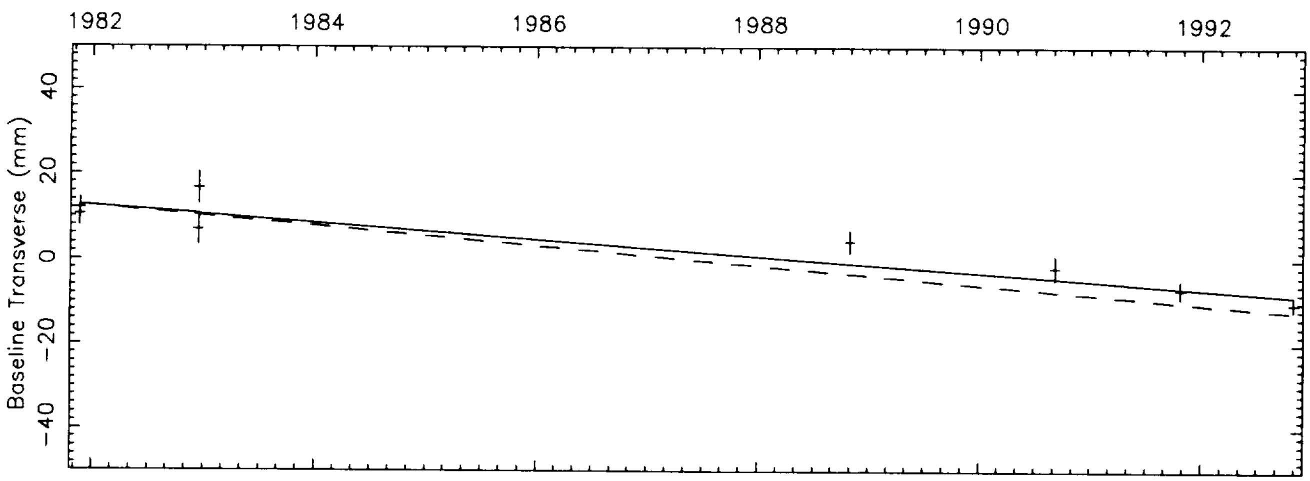
Number of sessions = 8



Observed Rate = .6 ± .2 mm/yr
NUVEL model rate = .0 mm/yr

Wrms of fit = 2.6 mm
Weighted mean length = 844148087.7 mm

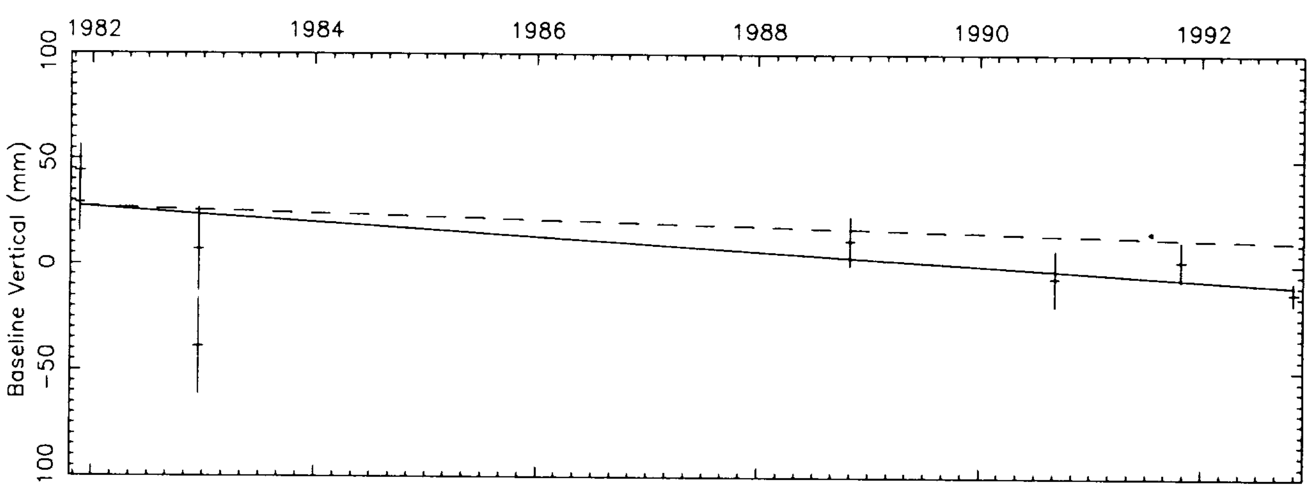
Reduced Chi square = 1.52



Observed Rate = −1.9 ± .2 mm/yr
NUVEL model rate = −2.3 mm/yr

Wrms of fit = 2.8 mm

Reduced Chi square = 1.71



Observed Rate = −3.4 ± 1.2 mm/yr
NUVEL model rate = −1.5 mm/yr

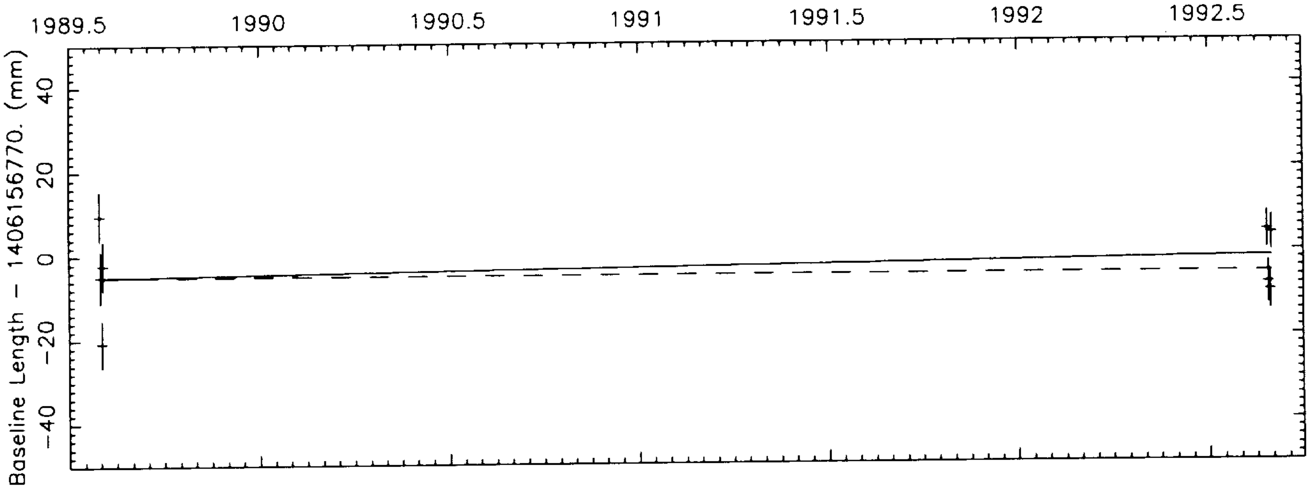
Wrms of fit = 12.5 mm

Reduced Chi square = 1.95

Vector baseline plots for ONSALA60–TROMSONO

Baseline length = 1406 kilometers

Number of sessions = 8



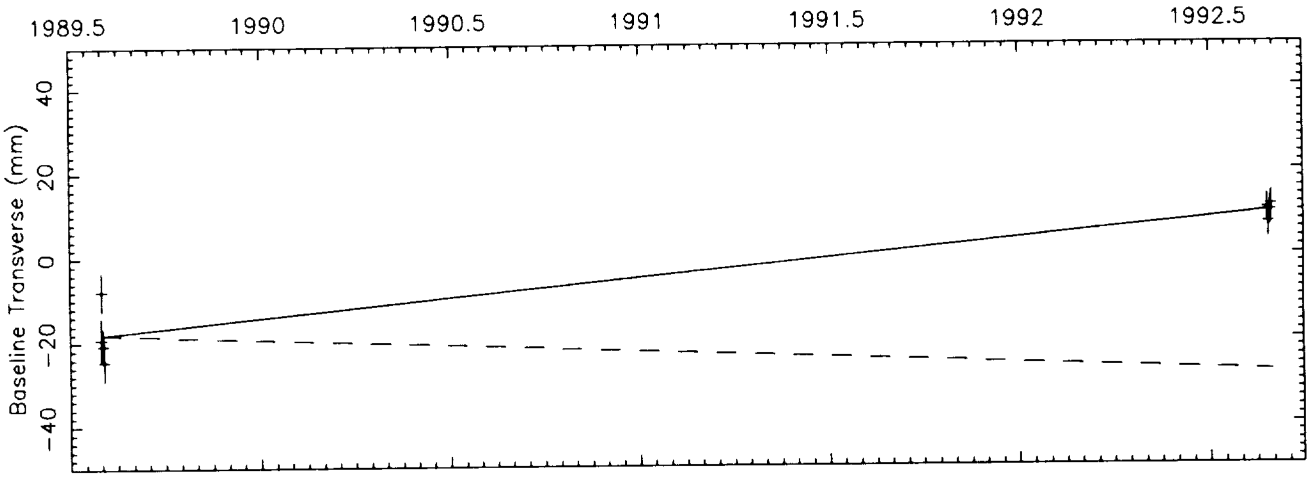
Observed Rate = 1.2 ± 2.3 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 8.6 mm

Weighted mean length = 1406156767.1 mm

Reduced Chi square = 3.77

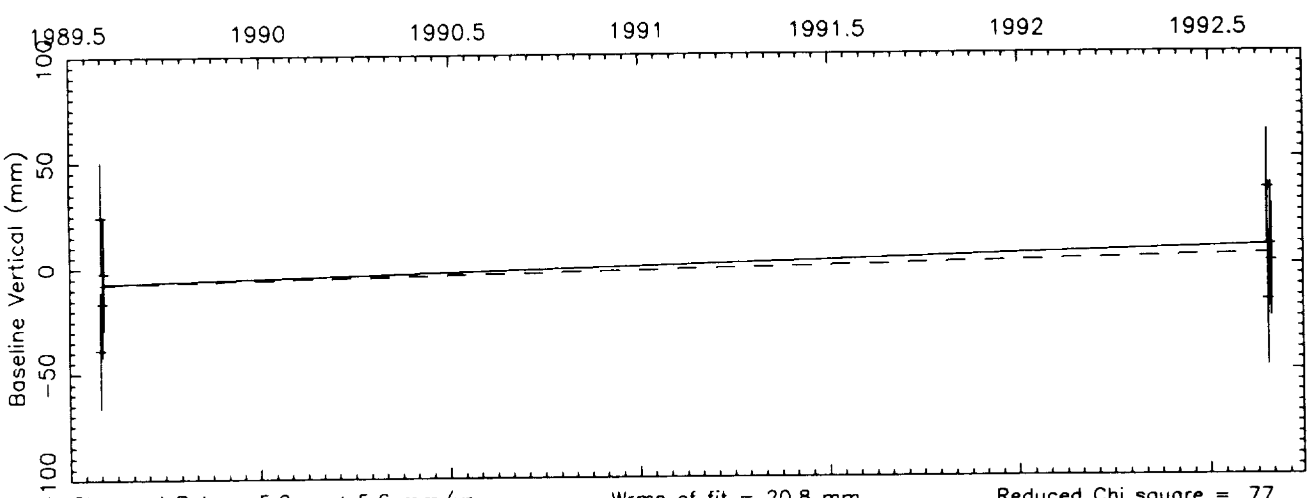


Observed Rate = 9.2 ± 1.1 mm/yr

NUVEL model rate = −3.1 mm/yr

Wrms of fit = 3.9 mm

Reduced Chi square = 1.37



Observed Rate = 5.2 ± 5.6 mm/yr

NUVEL model rate = 3.9 mm/yr

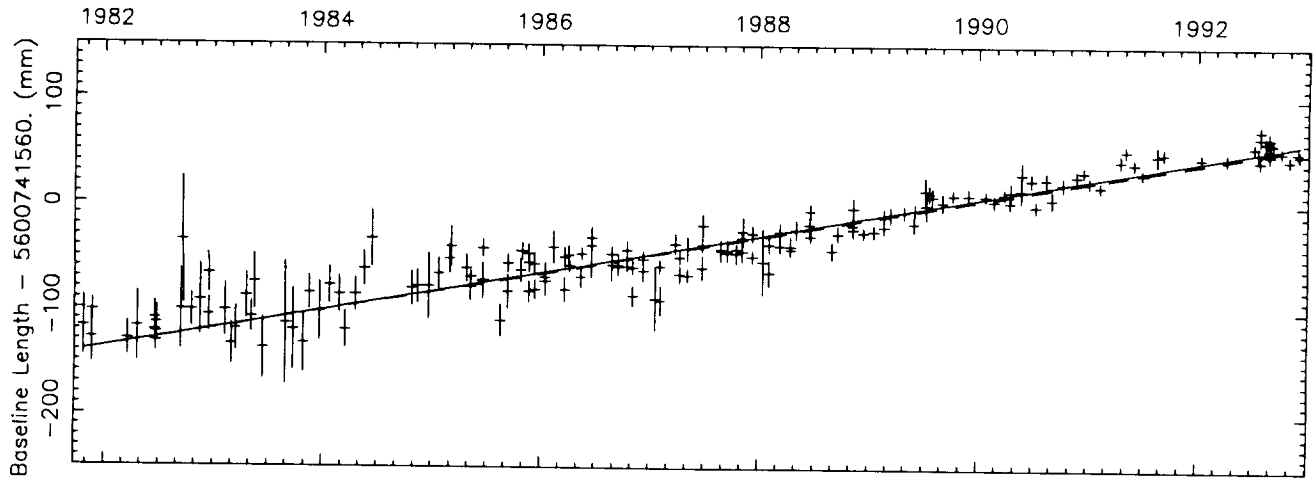
Wrms of fit = 20.8 mm

Reduced Chi square = .77

Vector baseline plots for ONSALA60–WESTFORD

Baseline length = 5600 kilometers

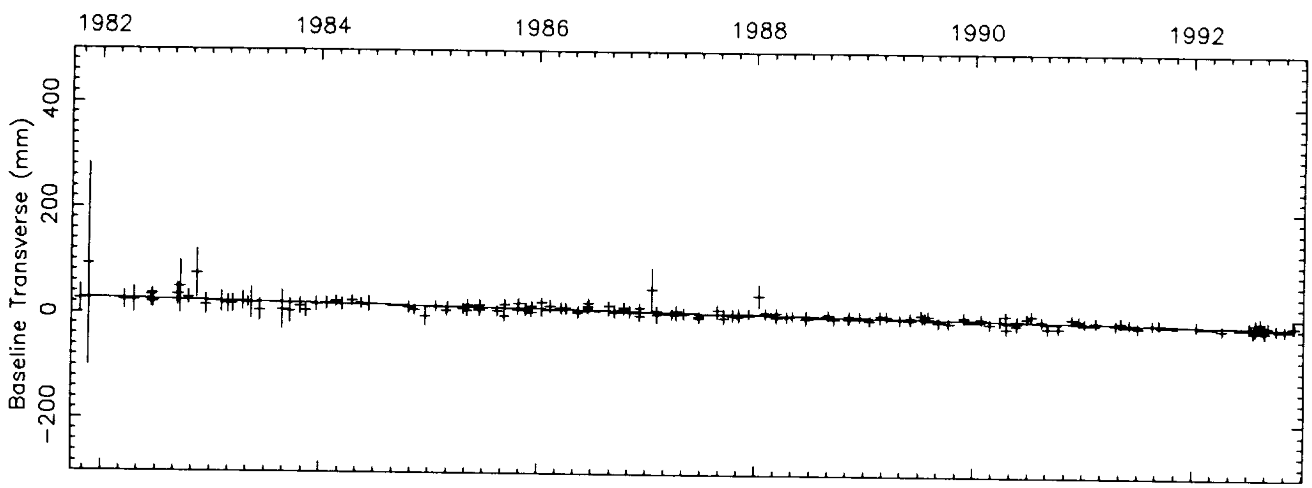
Number of sessions = 172



Observed Rate = 17.8 ± .3 mm/yr
NUVEL model rate = 17.6 mm/yr

Wrms of fit = 11.8 mm
Weighted mean length = 5600741555.6 mm

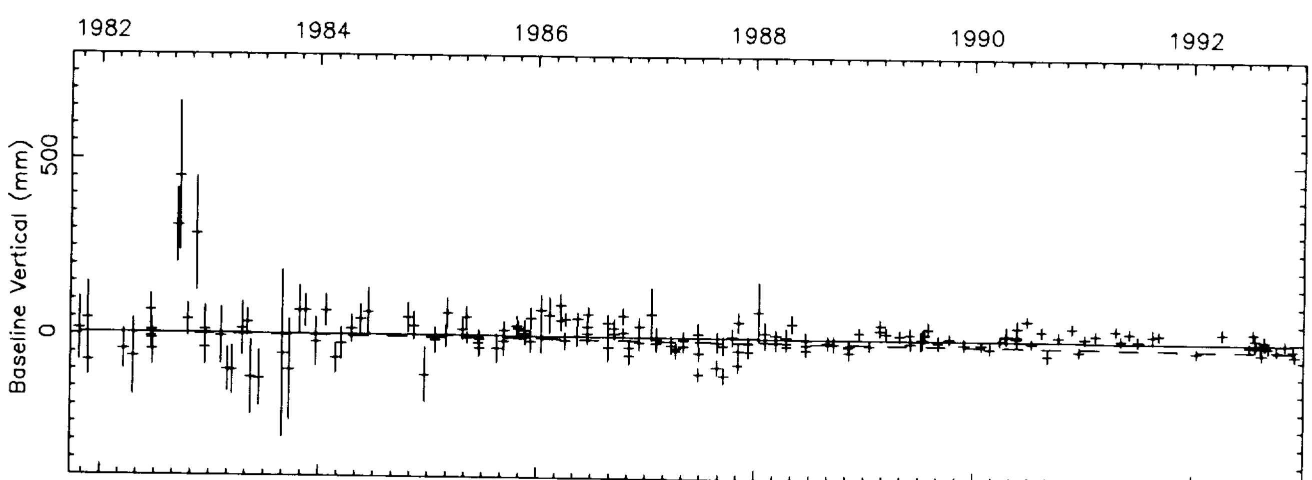
Reduced Chi square = 2.59



Observed Rate = –4.0 ± .2 mm/yr
NUVEL model rate = –4.3 mm/yr

Wrms of fit = 5.4 mm

Reduced Chi square = .76



Observed Rate = –.7 ± .9 mm/yr
NUVEL model rate = –2.6 mm/yr

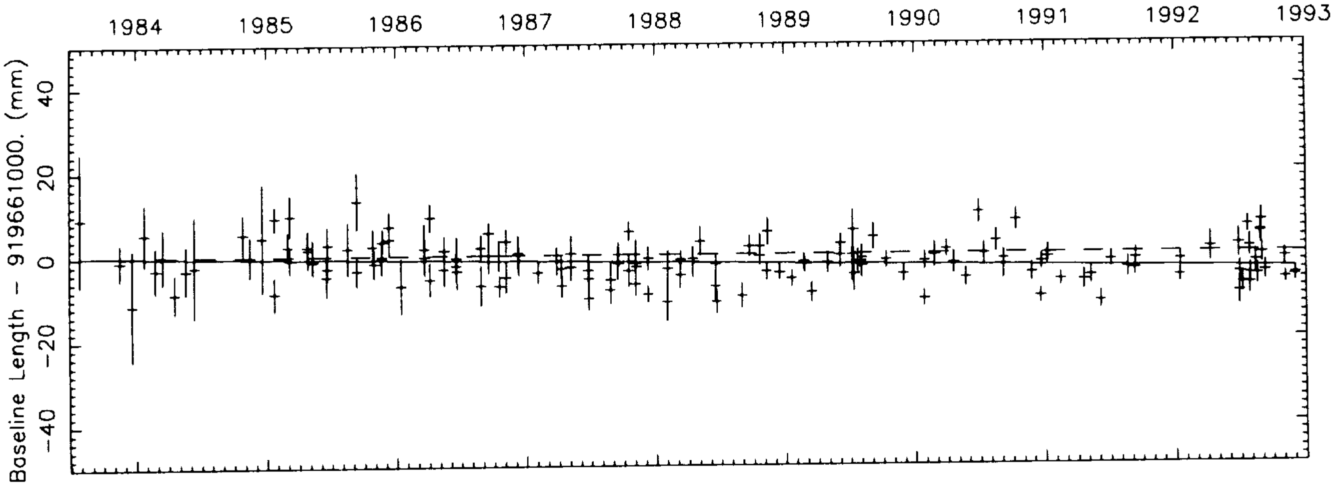
Wrms of fit = 28.6 mm

Reduced Chi square = 2.19

Vector baseline plots for ONSALA60-WETTZELL

Baseline length = 919 kilometers

Number of sessions = 158



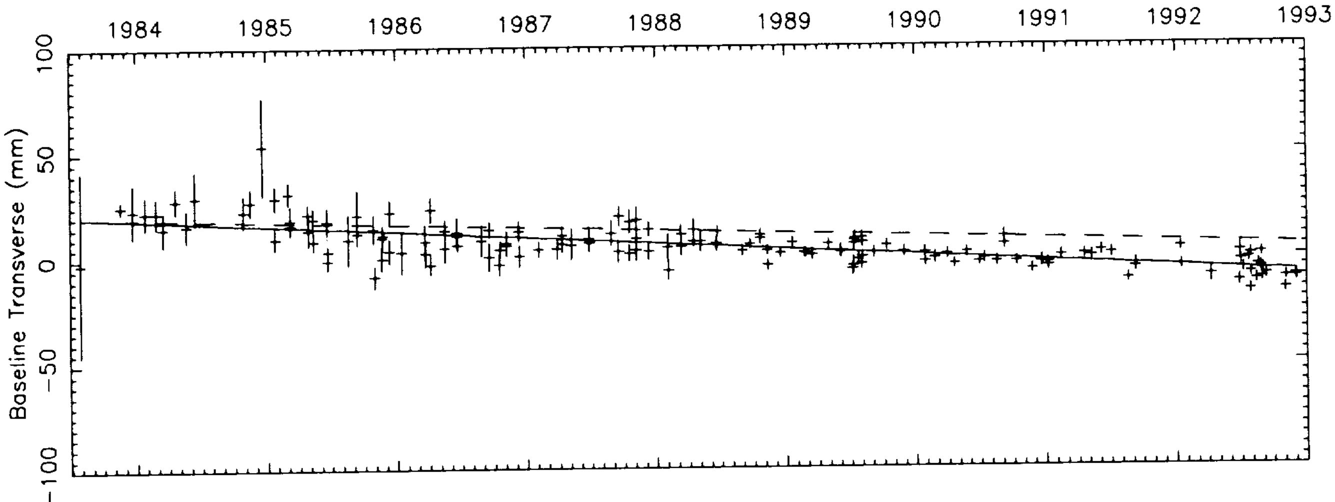
Observed Rate = -.4 ± .1 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 4.3 mm

Weighted mean length = 919660997.7 mm

Reduced Chi square = 2.64

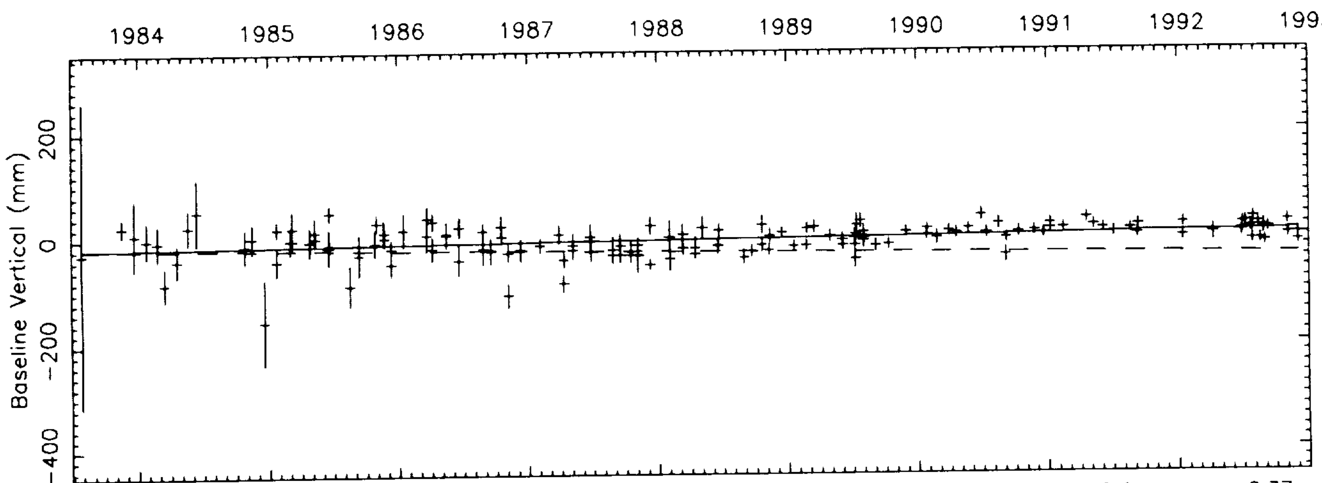


Observed Rate = -3.0 ± .2 mm/yr

NUVEL model rate = -1.6 mm/yr

Wrms of fit = 4.6 mm

Reduced Chi square = 3.00



Observed Rate = 2.8 ± .7 mm/yr

NUVEL model rate = -1.8 mm/yr

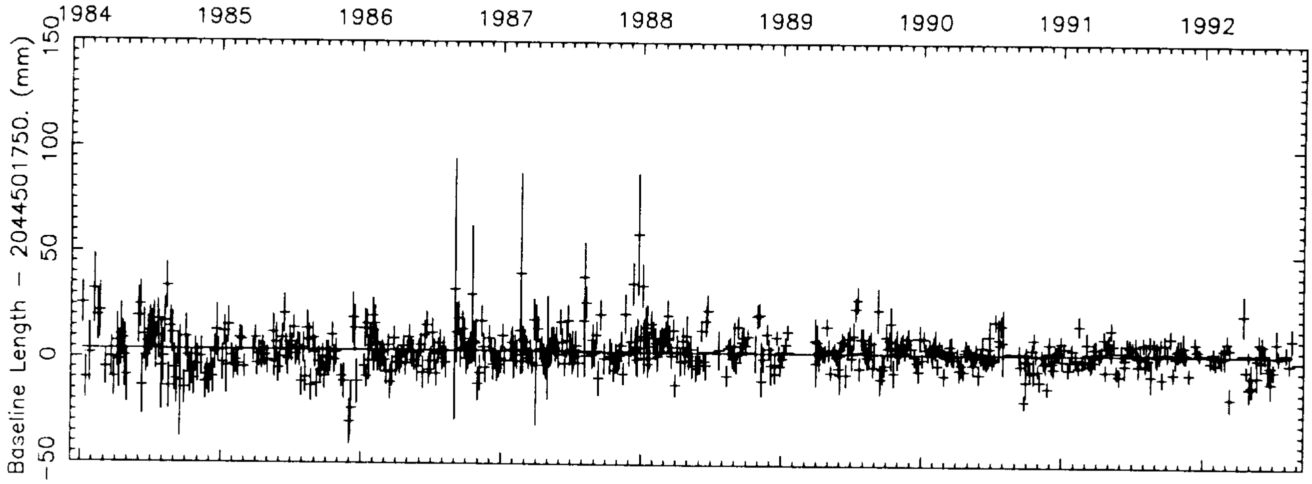
Wrms of fit = 18.2 mm

Reduced Chi square = 2.37

Vector baseline plots for RICHMOND-WESTFORD

Baseline length = 2044 kilometers

Number of sessions = 562



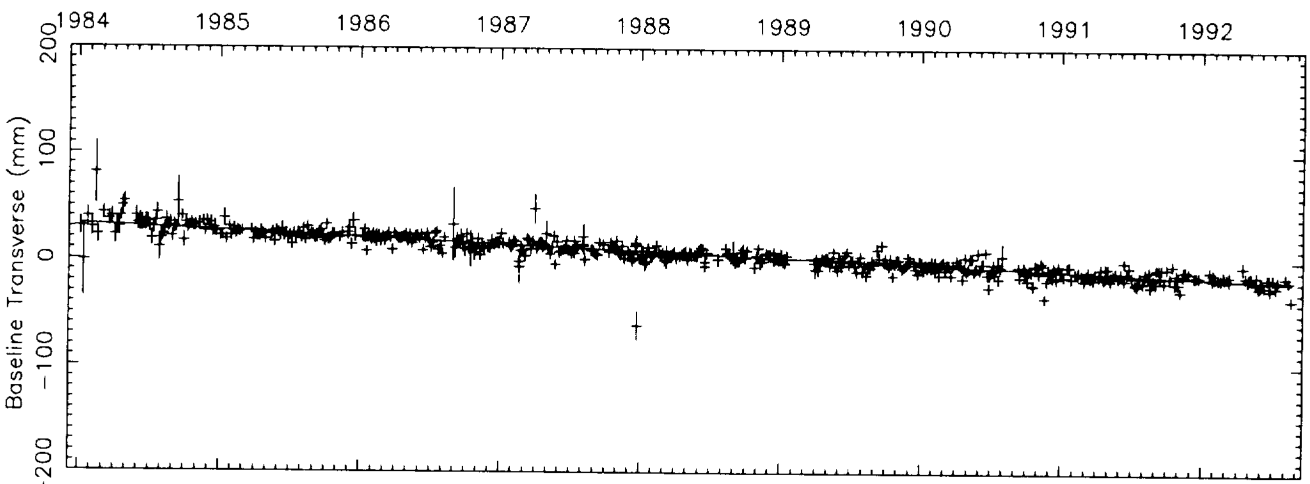
Observed Rate = -.1 ± .1 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 6.5 mm

Weighted mean length = 2044501753.2 mm

Reduced Chi square = 1.70

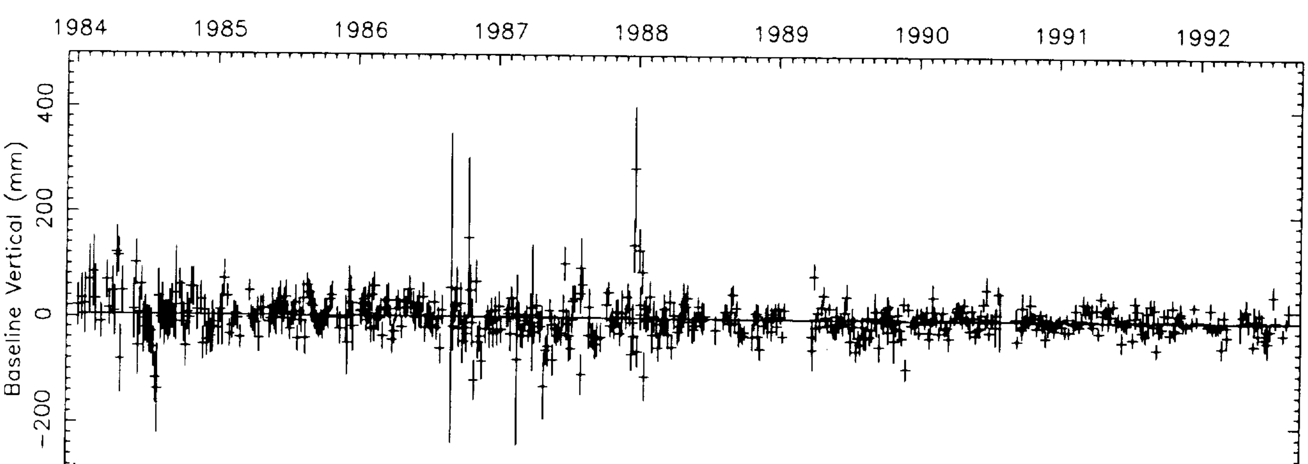


Observed Rate = -6.1 ± .1 mm/yr

NUVEL model rate = -6.1 mm/yr

Wrms of fit = 5.2 mm

Reduced Chi square = 2.11



Observed Rate = -.8 ± .5 mm/yr

NUVEL model rate = -.6 mm/yr

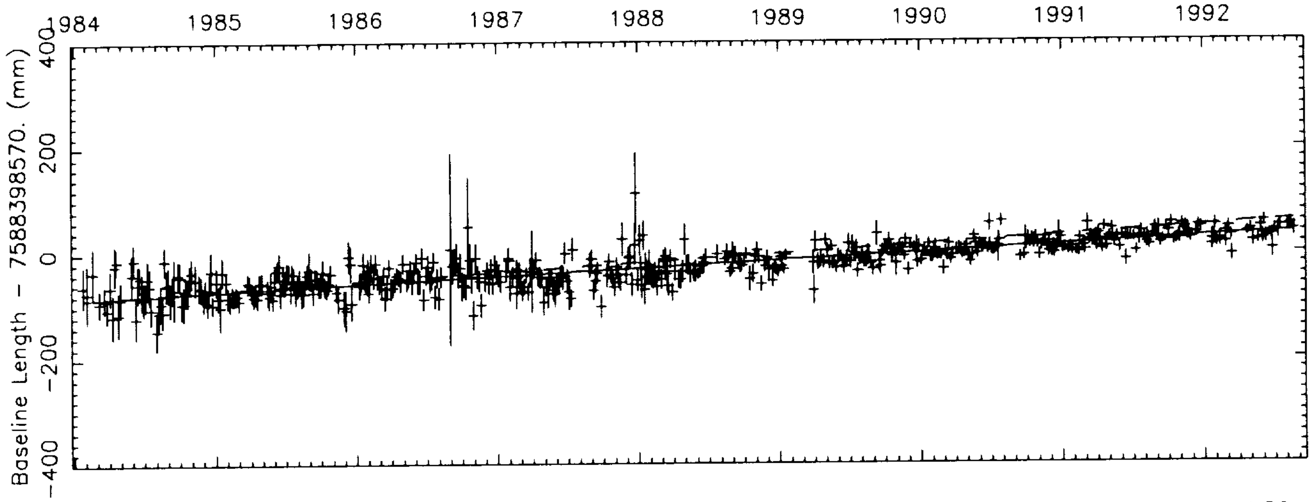
Wrms of fit = 22.1 mm

Reduced Chi square = 1.60

Vector baseline plots for RICHMOND–WETTZELL

Baseline length = 7588 kilometers

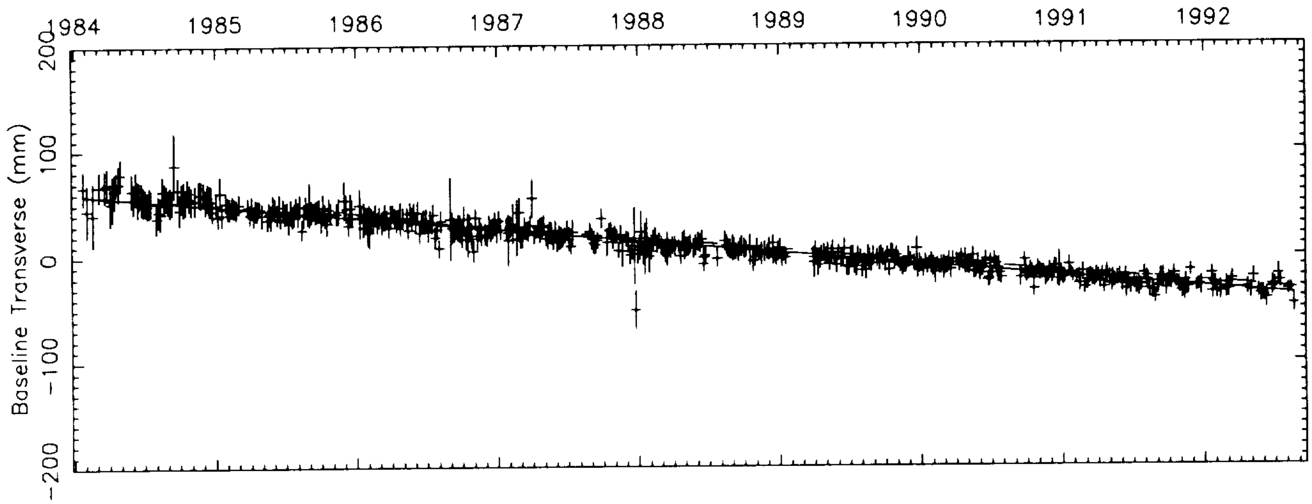
Number of sessions = 533



Observed Rate = 14.5 ± .3 mm/yr
NUVEL model rate = 17.1 mm/yr

Wrms of fit = 15.3 mm
Weighted mean length = 7588398570.9 mm

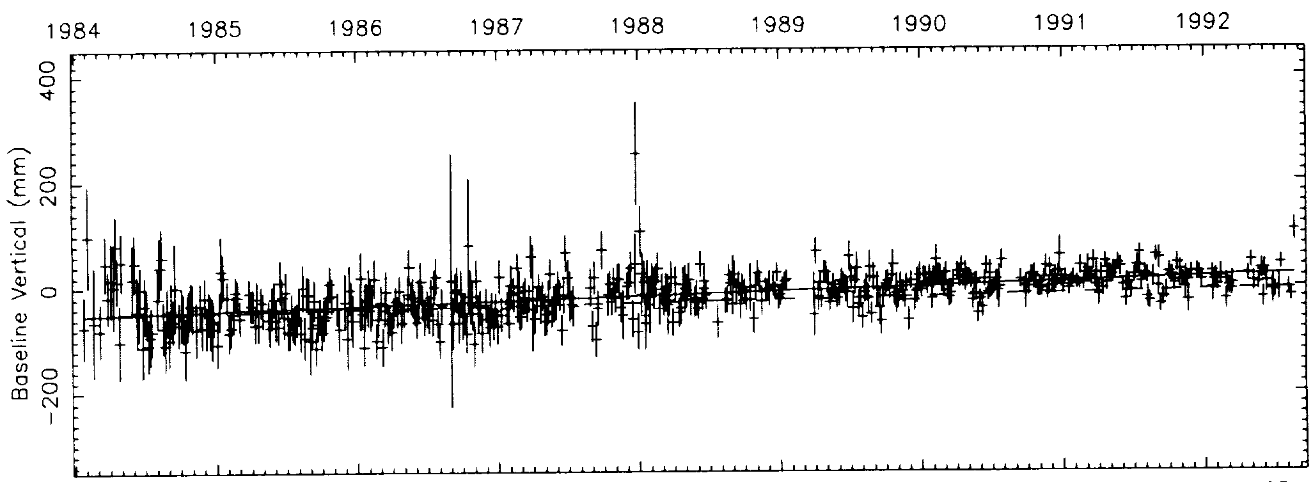
Reduced Chi square = 1.56



Observed Rate = –11.2 ± .1 mm/yr
NUVEL model rate = –10.6 mm/yr

Wrms of fit = 5.9 mm

Reduced Chi square = .52



Observed Rate = 8.8 ± .5 mm/yr
NUVEL model rate = 5.5 mm/yr

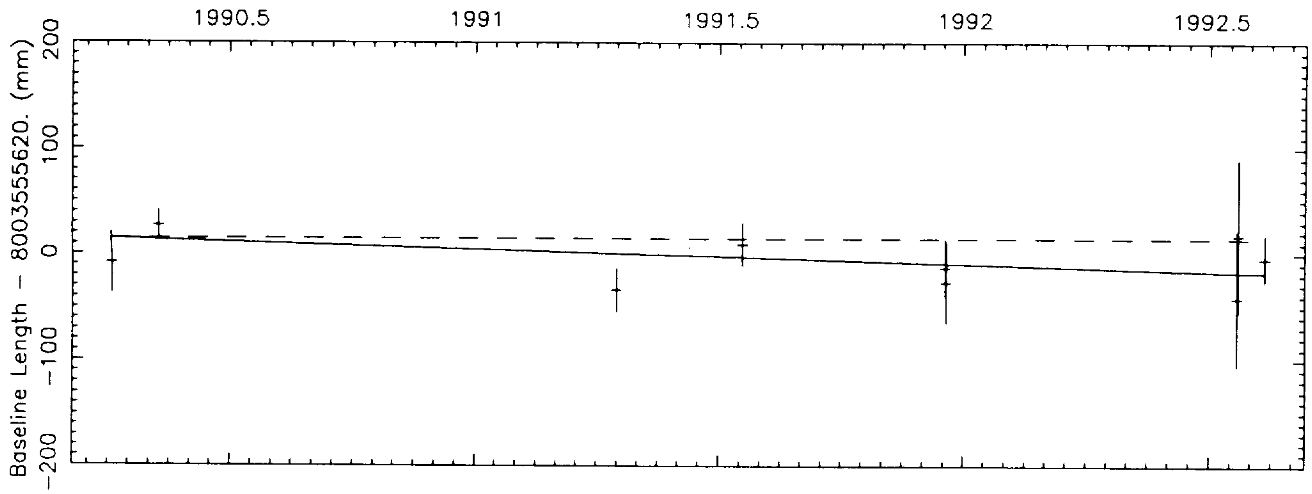
Wrms of fit = 24.5 mm

Reduced Chi square = 1.23

Vector baseline plots for SESHAN25–WETTZELL

Baseline length = 8003 kilometers

Number of sessions = 9



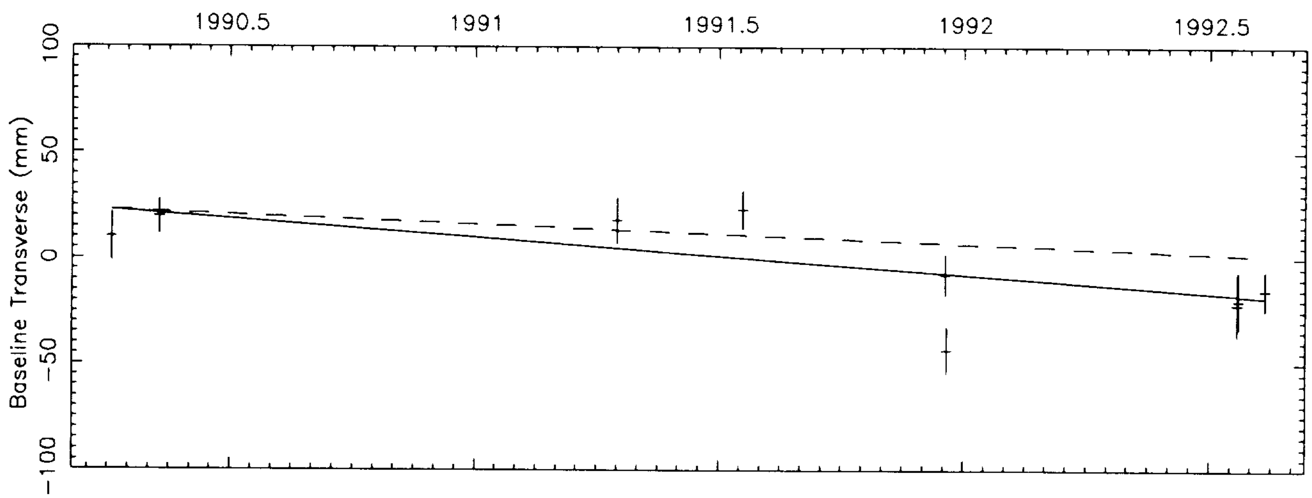
Observed Rate = –13.7 ± 8.5 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 19.0 mm

Weighted mean length = 8003555620.8 mm

Reduced Chi square = .81

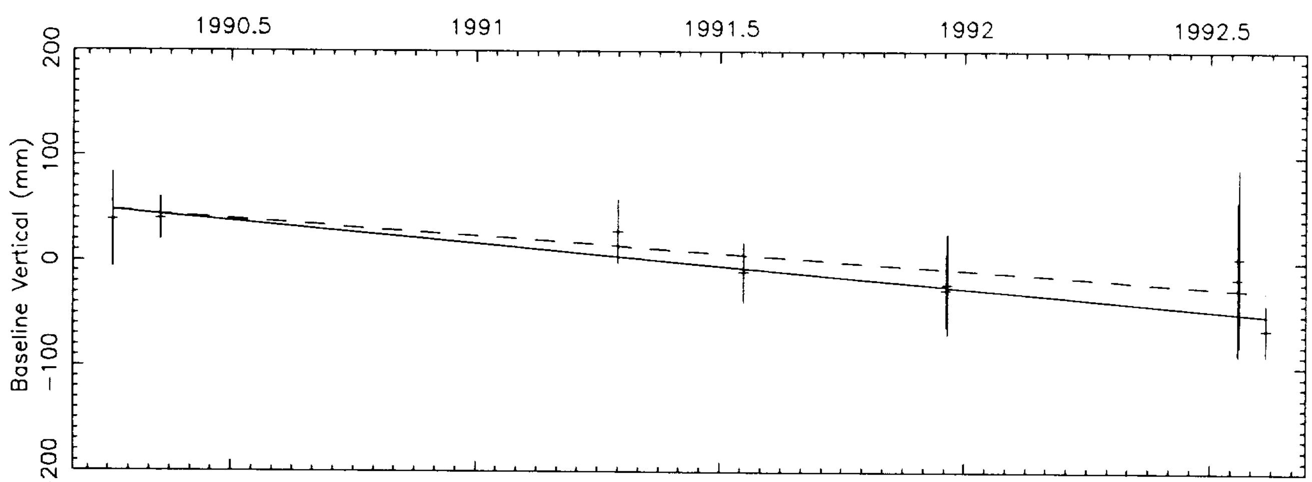


Observed Rate = –17.5 ± 6.9 mm/yr

NUVEL model rate = –9.1 mm/yr

Wrms of fit = 15.5 mm

Reduced Chi square = 2.93



Observed Rate = –41.8 ± 5.8 mm/yr

NUVEL model rate = –32.1 mm/yr

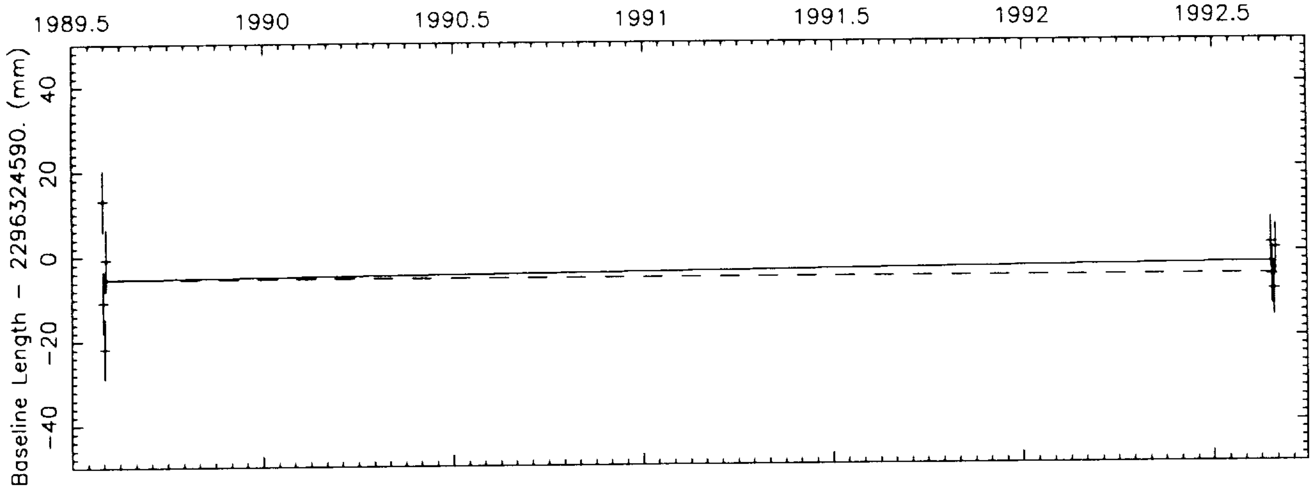
Wrms of fit = 13.7 mm

Reduced Chi square = .23

Vector baseline plots for TROMSONO–WETTZELL

Baseline length = 2296 kilometers

Number of sessions = 8



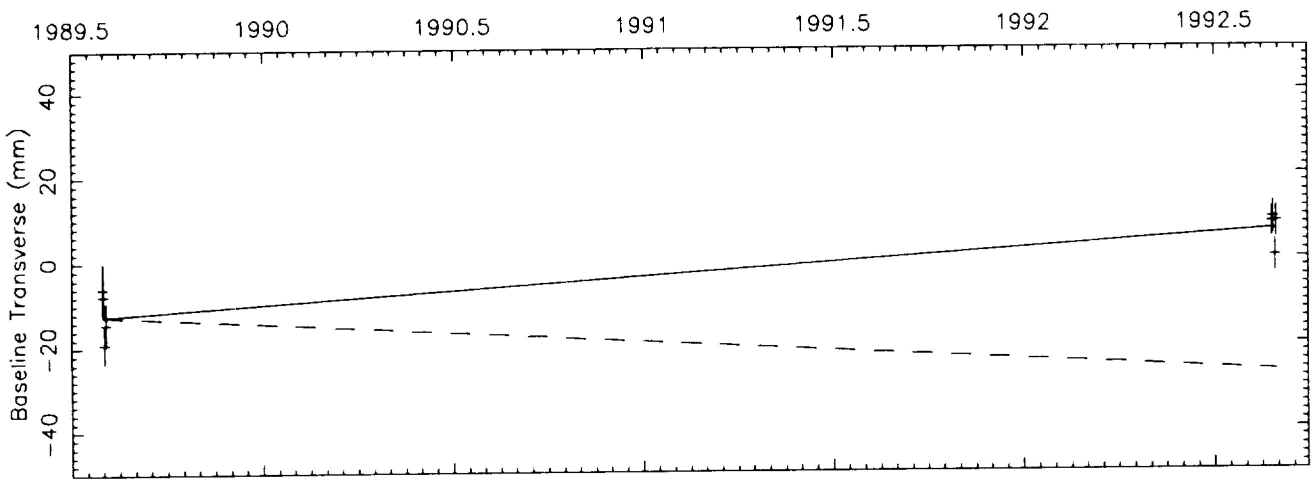
Observed Rate = .9 ± 2.4 mm/yr

NUVEL model rate = .0 mm/yr

Wrms of fit = 9.0 mm

Weighted mean length = 2296324586.2 mm

Reduced Chi square = 2.46

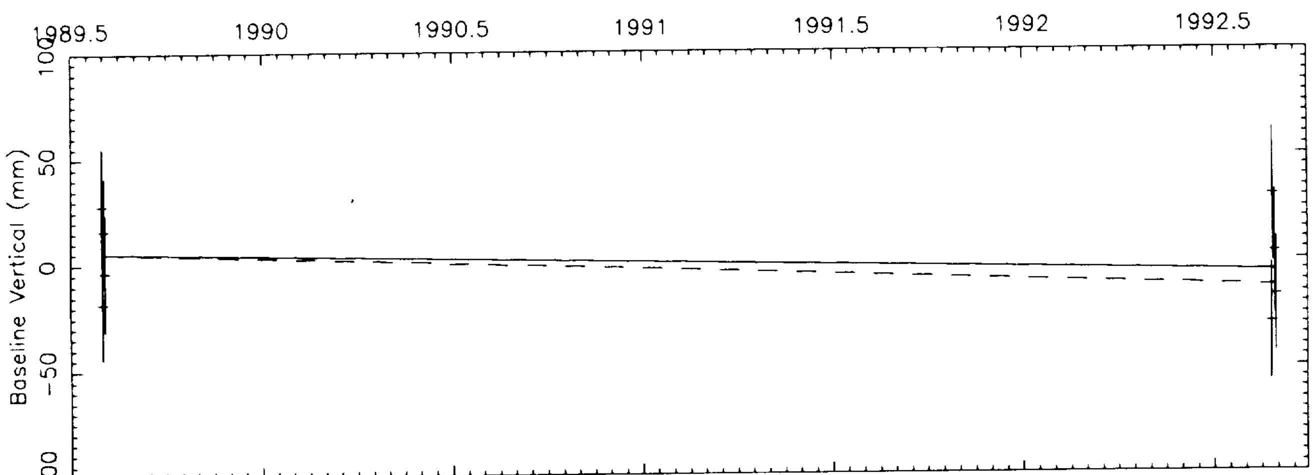


Observed Rate = 6.2 ± 1.2 mm/yr

NUVEL model rate = –4.6 mm/yr

Wrms of fit = 4.3 mm

Reduced Chi square = 1.36



Observed Rate = –3.6 ± 5.2 mm/yr

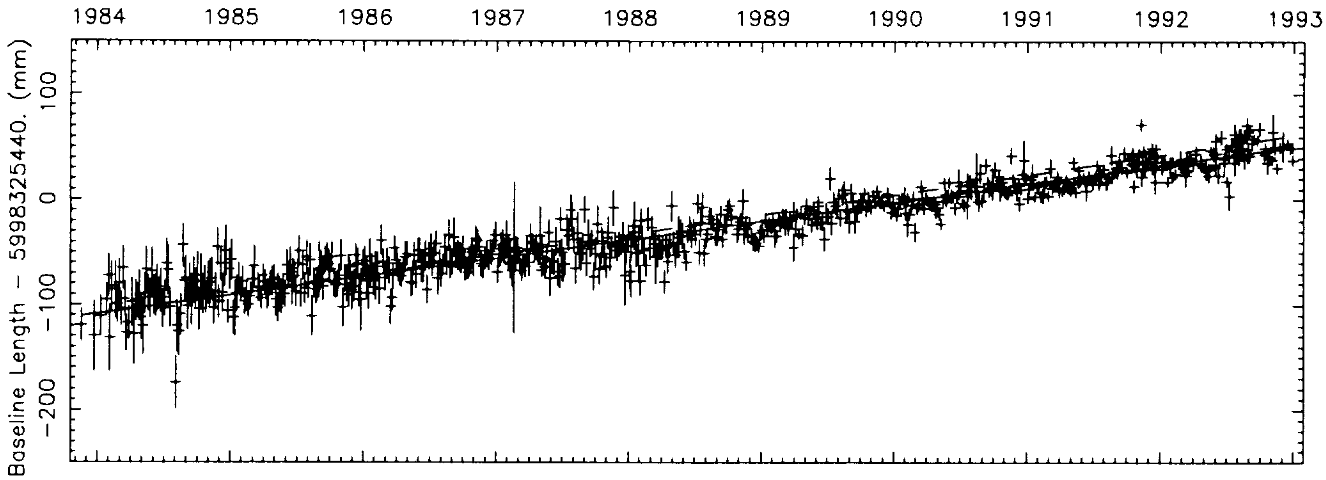
NUVEL model rate = –5.8 mm/yr

Wrms of fit = 19.7 mm

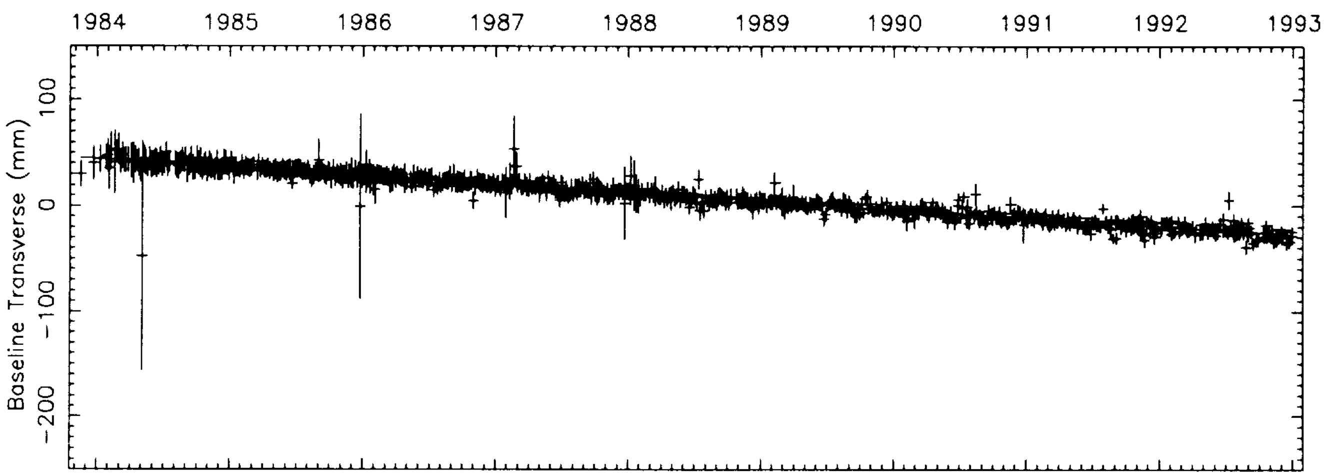
Reduced Chi square = .68

Vector baseline plots for WESTFORD–WETTZELL

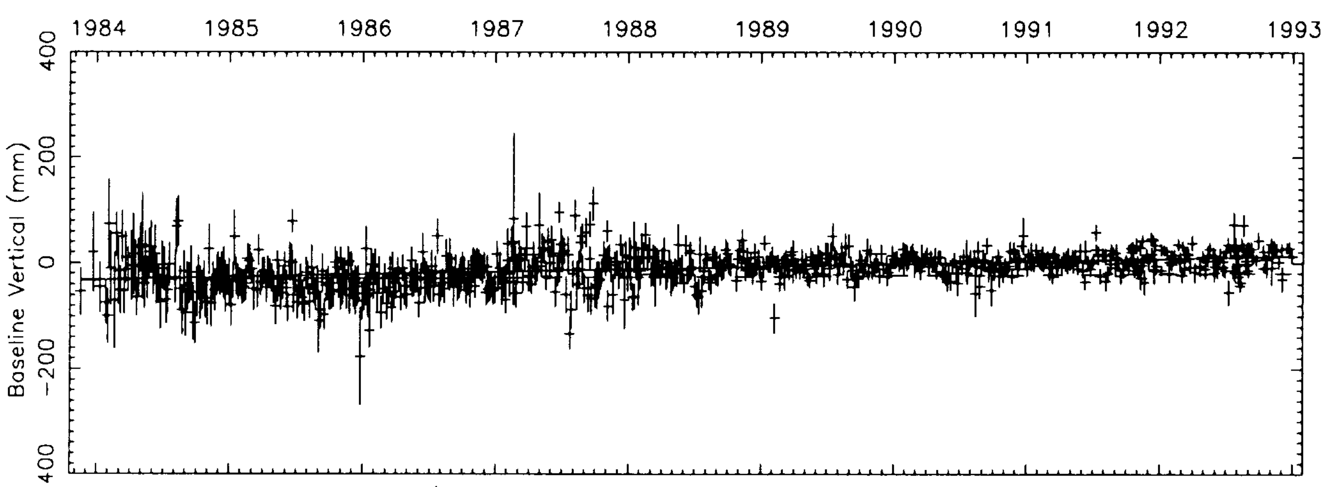
Baseline length = 5998 kilometers   Number of sessions = 748



Observed Rate = 17.7 ± .2 mm/yr   Wrms of fit = 10.4 mm   Reduced Chi square = 2.15
NUVEL model rate = 18.9 mm/yr   Weighted mean length = 5998325444.2 mm



Observed Rate = −8.0 ± .1 mm/yr   Wrms of fit = 4.4 mm   Reduced Chi square = .47
NUVEL model rate = −7.5 mm/yr



Observed Rate = 5.0 ± .4 mm/yr   Wrms of fit = 21.9 mm   Reduced Chi square = 1.52
NUVEL model rate = 1.4 mm/yr

Table 7.90
Baseline summary for ALGOPARK-GORF7102

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
92 6 17	776611362.9	.0	3.1	-16.9	.0	2.5	-9.2	.0	14.3

Table 7.91
Baseline summary for ALGOPARK-HARTRAO

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
92 7 30	10968488173.6	-3.4	31.3	-113.6	-8.2	9.2	-50.4	-2.3	19.3
92 8 6	10968488179.8	2.9	29.0	-98.4	7.0	8.6	-46.2	1.9	17.4

Table 7.92
Baseline summary for ALGOPARK-KASHIMA

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
92 7 30	9109011905.4	-22.2	30.6	41.2	-.3	6.8	76.2	-28.3	29.1
92 8 6	9109011912.6	-14.9	27.1	32.0	-9.6	6.1	89.4	-15.2	29.5
92 11 5	9109011940.9	13.3	17.4	54.1	12.6	6.9	126.6	22.1	20.9

Table 7.93
Baseline summary for ALGOPARK-MATERA

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
91 6 12	6854842884.2	-26.4	15.9	-48.2	27.6	7.9	4.8	11.7	25.1
91 7 17	6854842896.9	-13.8	13.3	-60.6	15.2	6.1	-6.4	.4	21.0
91 8 7	6854842910.0	-.7	20.3	-65.7	10.1	7.5	21.2	28.0	32.6
92 6 24	6854842933.5	22.9	19.3	-80.7	-4.9	8.3	-13.8	-7.0	30.4
92 7 9	6854842932.0	21.4	16.9	-92.2	-16.5	7.0	-86.7	-79.9	31.2
92 7 30	6854842909.1	-1.5	14.0	-88.9	-13.1	6.6	-34.0	-27.1	23.4
92 8 6	6854842900.7	-9.9	12.0	-79.8	-4.0	6.0	-9.5	-2.7	22.0
92 11 5	6854842933.4	22.8	13.5	-83.0	-7.2	5.8	47.9	54.8	23.5

Table 7.94
Baseline summary for ALGOPARK-SANTIA12

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
92 7 30	8105582606.2	10.4	20.9	-79.5	-2.7	5.6	-69.0	-16.0	27.9
92 8 6	8105582585.9	-9.9	20.4	-74.4	2.3	5.1	-38.6	14.4	26.5

Table 7.95
Baseline summary for ALGOPARK-YLOW7296

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
91 7 1	2912668592.2	-4.3	4.7	-22.1	-6.6	3.7	-31.5	-.3	15.7
91 8 4	2912668600.3	3.9	4.2	-4.7	10.8	3.7	-24.0	7.1	12.9
92 6 17	2912668600.4	3.9	3.7	-14.6	.8	3.3	-26.0	5.1	11.2
92 6 20	2912668596.7	.2	3.3	-16.1	-.7	3.1	-45.6	-14.5	13.1
92 6 21	2912668591.8	-4.6	3.7	-19.6	-4.2	3.6	-30.8	.4	13.8

Table 7.96
Baseline summary for AZORES -MOJAVE12

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
92 6 2	7336430733.6	.0	18.6	-70.6	.0	7.0	28.1	.0	30.2

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Table 7.97
Baseline summary for AZORES -RICHMOND

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
92 5 30	5134349269.7	-6.7	9.3	-41.7	2.7	4.8	-20.3	-11.5	21.5
92 5 31	5134349292.5	16.1	15.4	-45.0	-.6	7.0	81.0	89.8	36.4
92 6 3	5134349277.9	1.5	12.4	-47.3	-2.9	5.2	-44.8	-36.0	29.0

Table 7.98
Baseline summary for AZORES -WESTFORD

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
92 5 30	3833239413.9	-4.0	7.1	-55.3	4.4	4.1	2.2	-11.1	20.8
92 5 31	3833239431.7	13.8	11.4	-59.2	.5	6.3	87.3	73.9	36.0
92 6 2	3833239425.7	7.8	9.8	-62.9	-3.2	5.6	8.8	-4.6	30.6
92 6 3	3833239410.2	-7.7	8.5	-63.0	-3.3	4.3	-6.3	-19.6	27.1

Table 7.99
Baseline summary for AZORES -WETTZELL

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
92 5 30	3285708966.0	-3.8	6.3	-30.4	-1.3	3.8	73.1	.5	20.8
92 5 31	3285708983.5	13.7	11.6	-32.3	-3.1	5.7	125.2	52.6	35.5
92 6 2	3285708971.7	2.0	9.7	-27.2	2.0	5.1	58.5	-14.1	30.2
92 6 3	3285708967.9	-1.8	8.1	-27.3	1.8	4.1	53.1	-19.5	26.7

Table 7.100
Baseline summary for DSS15 -GILCREEK

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
88 11 7	3807400686.4	5.1	3.3	-1.4	7.4	4.0	-5.4	8.8	11.5
89 7 27	3807400687.7	6.5	5.4	-8.6	.1	3.9	-50.8	-36.7	17.2
92 6 30	3807400653.4	-27.8	6.4	-19.6	-10.8	4.8	6.5	20.6	18.9

Table 7.101
Baseline summary for DSS15 -HAYSTACK

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
88 11 7	3899992512.0	-1.3	3.5	-4.9	2.0	4.0	-12.9	12.5	12.1
89 7 27	3899992507.3	-6.0	5.7	-5.8	1.1	3.9	-42.5	-17.1	17.2
92 6 30	3899992527.4	14.2	7.0	-11.9	-5.0	5.0	-35.8	-10.3	19.0

Table 7.102
Baseline summary for DSS15 -KASHIMA

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
92 6 30	8087306670.2	.0	13.7	40.2	.0	9.0	22.5	.0	20.5

Table 7.103
Baseline summary for DSS15 -MEDICINA

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
92 6 30	8829937712.4	.0	14.3	-74.3	.0	8.2	16.5	.0	17.2

Table 7.104

Baseline summary for DSS15 -ONSALA60

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 6 30	8014111313.3	.0	12.4	-43.6	.0	7.7	-14.6	.0	17.1

Table 7.105

Baseline summary for DSS45 -HARTRAO

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
91 4 16	9589254769.8	-2.3	26.6	-37.0	4.9	11.3	-107.5	18.7	25.4
91 7 19	9589254719.2	-53.0	21.8	-34.4	7.5	9.1	-110.0	16.2	20.5
91 10 8	9589254779.2	7.0	41.1	-38.5	3.5	15.8	-158.4	-32.2	37.3
91 12 11	9589254876.6	104.5	23.2	-40.8	1.1	7.9	-118.3	7.8	23.1
92 1 28	9589254730.4	-41.8	25.1	-35.8	6.1	8.2	-186.0	-59.9	25.6
92 4 16	9589254761.1	-11.1	23.2	-61.2	-19.3	10.9	-83.9	42.2	26.4
92 5 22	9589254794.5	22.4	16.5	-44.3	-2.4	6.1	-140.9	-14.7	18.6
92 8 12	9589254741.7	-30.4	19.6	-43.4	-1.5	8.1	-121.3	4.9	18.4

Table 7.106

Baseline summary for DSS45 -SANTIA12

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
91 12 11	9928436333.1	50.6	31.6	155.3	-4.2	11.2	-44.7	44.6	27.0
92 1 28	9928436280.1	-2.4	30.6	135.5	-24.0	9.3	-218.9	-129.7	27.4
92 5 22	9928436274.8	-7.7	24.0	169.3	9.8	7.5	-64.4	24.8	19.8
92 7 16	9928436207.3	-75.2	46.5	179.2	19.7	12.1	-17.5	71.8	38.4

Table 7.107

Baseline summary for DSS45 -USSURISK

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 3 13	8238112025.6	.0	118.6	-2130.6	.0	33.8	-94.0	.0	147.7

Table 7.108

Baseline summary for DSS45 -WETTZELL

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
91 4 16	12156491069.6	-19.3	28.8	-147.9	14.0	11.7	13.3	38.0	17.6
91 7 19	12156491101.8	13.0	25.3	-118.7	43.2	10.3	-43.7	-18.9	14.6
92 8 12	12156491090.5	1.6	22.9	-204.5	-42.6	9.2	-30.9	-6.1	13.3

Table 7.109

Baseline summary for DSS65 -EFLSBERG

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
91 12 2	1414346811.3	-2.0	1.2	-12.7	4.2	1.9	18.4	-8.7	4.3
92 12 2	1414346815.3	1.9	1.2	-19.1	-2.1	1.4	41.3	14.2	5.5

Table 7.110

Baseline summary for DSS65 -KARLBURG

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 7 8	2005730916.5	.0	8.8	4.1	.0	8.9	40.2	.0	44.9

Table 7.111

Baseline summary for DSS65 -MATERA

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
90 12 21	1765812131.1	-2.9	2.3	-16.3	8.9	2.6	12.9	-22.6	9.7
91 1 7	1765812130.6	-3.5	2.1	-14.3	10.9	2.5	31.0	-4.4	9.0
91 9 9	1765812138.7	4.7	1.8	-23.0	2.1	1.9	36.9	1.5	7.7
91 12 2	1765812135.4	1.3	1.6	-29.7	-4.5	2.4	22.7	-12.7	6.2
92 1 15	1765812127.3	-6.8	2.5	-22.8	2.3	2.1	35.1	-.4	7.9
92 4 9	1765812127.1	-7.0	2.5	-28.6	-3.4	2.8	63.3	27.9	10.0
92 5 13	1765812136.7	2.6	3.2	-23.5	1.6	2.1	63.2	27.7	12.2
92 7 8	1765812140.8	6.8	4.5	-28.9	-3.7	3.5	23.4	-12.0	19.8
92 11 4	1765812137.6	3.6	2.5	-27.2	-2.0	2.2	33.0	-2.4	8.8
92 12 2	1765812134.8	.7	1.4	-32.2	-7.0	1.7	41.4	6.0	5.6

Table 7.112

Baseline summary for DSS65 -TOULOUSE

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
92 5 13	588518726.9	.0	6.0	-2.9	.0	4.5	-13.9	.0	33.7

Table 7.113

Baseline summary for EFLSBERG-MATERA

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
91 12 2	1333777570.6	-1.2	1.3	-28.4	-1.4	1.9	-.2	2.4	5.4
92 12 2	1333777572.9	1.1	1.2	-26.3	.7	1.4	-4.7	-2.1	5.0

Table 7.114

Baseline summary for EFLSBERG-MEDICINA

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
91 12 2	757049170.6	.2	1.3	-15.7	-.9	1.6	-9.7	-17.3	5.7
92 12 2	757049170.3	-.1	.9	-14.4	.4	1.0	18.9	11.2	4.6

Table 7.115

Baseline summary for EFLSBERG-WETTZELL

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
91 12 2	457481745.2	.2	.8	-3.6	-2.1	1.0	-5.4	-6.5	3.6
92 12 2	457481744.7	-.3	.8	.2	1.7	.9	11.9	10.7	4.6

Table 7.116

Baseline summary for FD-VLBA -GILCREEK

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
92 7 1	4726066843.3	-6.2	8.5	-64.1	-17.6	5.3	9.2	1.2	20.3
92 7 8	4726066859.8	10.2	5.1	-43.0	3.5	3.8	-23.5	-31.5	12.8
92 7 29	4726066849.7	.2	5.1	-53.2	-6.7	3.6	34.9	27.0	12.6
92 7 30	4726066850.9	1.3	4.3	-39.7	6.8	3.2	10.0	2.0	10.5
92 8 1	4726066848.3	-1.2	3.9	-44.3	2.1	4.4	7.6	-.4	10.3
92 8 5	4726066834.1	-15.4	3.9	-49.1	-2.6	3.0	-11.5	-19.4	9.2
92 8 6	4726066859.5	10.0	3.9	-46.3	.2	2.9	4.4	-3.6	9.1
92 8 8	4726066848.0	-1.5	3.6	-43.1	3.4	4.3	26.7	18.8	9.4
92 8 10	4726066856.7	7.2	3.4	-42.2	4.2	3.9	7.5	-.5	8.3
92 10 14	4726066847.7	-1.8	2.2	-41.7	4.7	3.9	7.8	-.1	6.6
92 11 21	4726066849.8	.3	3.7	-48.8	-2.3	4.5	38.4	30.4	9.8
92 12 30	4726066847.5	-2.1	3.7	-50.0	-3.6	3.6	-13.0	-20.9	9.3

Table 7.117
Baseline summary for FD-VLBA -HN-VLBA

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
92 8 29	3105762809.8	.0	2.7	-39.7	.0	2.3	-37.2	.0	9.1

Table 7.118
Baseline summary for FD-VLBA -KAUAI

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
92 7 1	5409472322.6	5.9	9.6	278.6	-19.1	5.5	83.0	-29.7	23.0
92 7 8	5409472326.0	9.4	6.7	287.9	-9.8	4.3	70.5	-42.2	14.7
92 7 29	5409472324.1	7.4	8.8	301.1	3.4	5.2	117.3	4.6	17.7
92 7 30	5409472323.4	6.8	5.6	303.4	5.7	3.8	88.1	-24.7	13.9
92 8 1	5409472292.1	-24.5	5.4	297.0	-.7	5.1	151.6	38.8	13.4
92 8 5	5409472306.9	-9.8	5.3	288.2	-9.5	3.6	88.0	-24.7	12.7
92 8 6	5409472321.9	5.2	5.0	308.6	11.0	3.6	106.8	-6.0	12.0
92 8 8	5409472317.8	1.2	4.3	292.3	-5.4	4.9	115.8	3.0	11.5
92 8 10	5409472323.1	6.5	4.2	296.4	-1.3	4.3	112.6	-.1	10.8
92 9 2	5409472315.6	-1.0	7.1	290.1	-7.6	5.4	67.4	-45.4	17.4
92 11 21	5409472334.4	17.8	5.1	305.8	8.1	5.1	146.8	34.0	12.7
92 12 30	5409472295.5	-21.2	5.5	316.3	18.7	4.8	170.0	57.2	14.8

Table 7.119
Baseline summary for FD-VLBA -KP-VLBA

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
92 8 29	744178332.2	.0	1.6	-11.2	.0	1.5	.4	.0	7.6

Table 7.120
Baseline summary for FD-VLBA -LA-VLBA

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
92 7 1	608982890.0	-1.1	3.0	-23.3	-14.5	3.5	1.6	-7.7	20.7
92 7 29	608982890.5	-.7	2.2	-16.0	-7.2	2.7	29.6	20.3	11.8
92 7 30	608982898.1	6.9	1.9	-7.7	1.1	2.1	-10.8	-20.1	8.6
92 8 1	608982893.3	2.1	1.8	1.5	10.3	2.0	-2.0	-11.3	7.3
92 8 5	608982881.8	-9.3	1.6	-13.6	-4.7	1.8	-29.0	-38.3	7.0
92 8 6	608982898.8	7.7	1.7	-9.4	-.6	1.8	5.1	-4.2	6.5
92 8 8	608982892.3	1.2	1.6	-4.9	3.9	1.8	-2.8	-12.1	6.5
92 8 10	608982894.3	3.2	1.4	-12.3	-3.5	1.6	-2.3	-11.6	5.6
92 9 2	608982878.8	-12.4	1.9	-5.0	3.8	2.0	-5.0	-14.2	8.1
92 10 14	608982891.7	.6	1.0	-7.1	1.7	1.0	13.7	4.4	3.8
92 10 20	608982890.7	-.4	1.0	-9.8	-1.0	.8	12.5	3.2	3.9
92 11 21	608982887.6	-3.5	1.7	-12.0	-3.2	1.8	25.5	16.3	7.2
92 12 17	608982891.1	.0	.6	-7.6	1.2	.7	18.5	9.2	2.7
92 12 30	608982893.8	2.7	1.5	-11.6	-2.8	1.6	10.2	.9	6.3

Table 7.121
Baseline summary for FD-VLBA -MOJAVE12

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
92 7 8	1313661499.4	.0	2.5	-1.0	.0	1.9	28.5	.0	8.9

Table 7.122
Baseline summary for FD-VLBA -NL-VLBA

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
92 8 29	1654728018.4	.0	1.8	-20.7	.0	1.7	-20.5	.0	7.6

Table 7.123

Baseline summary for FD-VLBA -OV-VLBA

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
92 8 29	1508048057.1	.0	2.2	-21.1	.0	1.8	2.0	.0	9.1

Table 7.124

Baseline summary for FD-VLBA -PIETOWN

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
92 8 29	564918143.1	-.2	1.8	-22.2	-1.2	1.8	38.6	-10.3	8.5
92 10 20	564918145.1	1.8	1.1	-18.7	2.3	.9	50.9	2.0	4.5
92 12 17	564918142.8	-.5	.6	-22.2	-1.2	.7	49.2	.3	2.5

Table 7.125

Baseline summary for FD-VLBA -WESTFORD

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
92 7 1	3134843819.1	-18.7	7.3	-41.7	-1.1	3.8	-22.6	6.1	20.3
92 7 29	3134843830.6	-7.3	3.9	-36.5	4.1	2.5	7.6	36.3	12.1
92 7 30	3134843843.9	6.1	3.6	-45.8	-5.2	2.4	-43.3	-14.6	10.4
92 8 1	3134843842.1	4.3	3.2	-43.1	-2.5	3.1	-42.7	-14.0	9.1
92 8 5	3134843830.4	-7.4	3.2	-35.8	4.8	2.2	-83.6	-54.9	9.1
92 8 6	3134843835.0	-2.8	2.9	-44.2	-3.6	2.1	-11.3	17.4	8.2
92 8 8	3134843839.8	1.9	2.9	-42.2	-1.7	3.0	-28.1	.7	8.3
92 8 10	3134843834.9	-2.9	2.9	-39.8	.8	2.7	-8.9	19.8	8.5
92 9 2	3134843833.1	-4.7	3.6	-26.1	14.5	3.3	-23.4	5.3	11.1
92 10 14	3134843843.5	5.7	1.7	-40.6	.0	2.3	-23.9	4.8	5.5
92 12 30	3134843834.6	-3.2	2.8	-45.7	-5.1	2.4	-31.4	-2.7	8.2

Table 7.126

Baseline summary for FD-VLBA -WETTZELL

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
92 7 1	8417579295.8	-50.8	15.3	-91.5	-3.5	7.8	25.3	29.6	18.4
92 7 29	8417579349.1	2.6	9.0	-91.5	-3.5	4.3	26.2	30.4	11.9
92 7 30	8417579338.4	-8.2	8.0	-87.3	.8	4.5	-4.2	.1	10.9
92 8 1	8417579346.5	-.1	6.8	-84.8	3.3	7.3	-5.3	-1.0	11.1
92 8 5	8417579318.3	-28.2	7.1	-85.3	2.7	4.1	-20.8	-16.5	9.3
92 8 6	8417579353.6	7.0	7.1	-85.4	2.6	4.4	-11.2	-7.0	10.2
92 8 8	8417579363.1	16.5	7.0	-91.7	-3.7	7.1	-16.7	-12.5	11.0
92 8 10	8417579371.7	25.1	5.8	-87.3	.7	6.5	-22.4	-18.2	9.6
92 9 2	8417579334.2	-12.3	8.1	-76.3	11.7	8.6	-7.0	-2.7	13.5
92 10 14	8417579352.7	6.1	3.7	-90.2	-2.2	6.7	-10.6	-6.4	8.5
92 11 21	8417579340.6	-6.0	7.7	-91.4	-3.4	7.8	38.6	42.8	12.4
92 12 30	8417579327.1	-19.4	6.3	-93.2	-5.2	6.0	5.6	9.9	10.6

Table 7.127

Baseline summary for GILCREEK-GORF7102

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
92 5 21	5114685172.2	-1.2	9.2	-54.8	1.7	5.1	-69.9	10.5	20.1
92 6 17	5114685174.1	.7	7.2	-58.3	-1.8	5.2	-87.1	-6.7	16.0

Table 7.128

Baseline summary for GILCREEK-HOFN

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 7 21	5014113205.2	-1.4	16.0	-74.5	2.5	6.1	-36.7	20.7	36.1
92 7 27	5014113201.0	-5.6	13.5	-71.3	5.6	5.2	-58.5	-1.2	31.2
92 7 28	5014113214.0	7.3	14.2	-84.0	-7.1	5.1	-74.0	-16.6	33.7

Table 7.129

Baseline summary for GILCREEK-HOHNBERG

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 6 16	6962098301.2	.0	18.8	-77.5	.0	7.4	-87.6	.0	30.2

Table 7.130

Baseline summary for GILCREEK-LA-VLBA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
91 5 22	4157847390.6	11.2	3.0	-25.1	8.1	3.8	-24.3	-18.4	8.9
91 6 29	4157847379.2	-.3	3.0	-27.4	5.8	3.7	-7.1	-1.2	8.9
91 7 11	4157847388.5	9.0	2.7	-25.0	8.2	2.7	1.4	7.3	8.1
91 9 7	4157847392.3	12.8	3.6	-21.5	11.7	4.3	24.7	30.6	10.5
91 10 16	4157847378.8	-.6	3.0	-31.4	1.7	2.7	-10.9	-4.9	8.8
91 10 17	4157847389.1	9.6	3.8	-32.3	.9	3.3	-14.4	-8.5	11.2
91 10 19	4157847383.5	4.1	3.5	-32.1	1.1	4.3	-13.9	-7.9	10.3
91 10 21	4157847379.3	-.1	2.6	-25.7	7.5	3.3	6.6	12.5	7.8
91 10 23	4157847385.1	5.7	3.2	-20.3	12.9	2.9	-4.4	1.5	9.5
91 11 2	4157847381.6	2.2	3.5	-34.8	-1.6	4.3	-9.4	-3.4	10.0
91 12 5	4157847379.5	.0	2.1	-31.4	1.8	2.7	-6.7	-.8	6.7
92 1 8	4157847380.3	.9	2.5	-39.2	-6.0	3.8	6.2	12.1	7.5
92 2 5	4157847376.6	-2.9	2.1	-40.6	-7.5	3.6	-4.1	1.8	6.9
92 4 22	4157847366.8	-12.6	2.3	-35.6	-2.4	3.7	-13.8	-7.9	7.2
92 7 1	4157847373.0	-6.4	3.3	-41.0	-7.8	3.9	-8.8	-2.9	9.3
92 7 29	4157847370.3	-9.1	3.6	-37.2	-4.0	2.8	-8.2	-2.2	9.6
92 7 30	4157847378.9	-.6	3.7	-32.7	.5	2.9	-23.2	-17.3	9.5
92 8 1	4157847378.3	-1.1	3.5	-46.1	-12.9	4.1	-10.6	-4.7	9.9
92 8 3	4157847391.0	11.5	3.2	-40.2	-7.0	3.6	14.2	20.1	9.0
92 8 5	4157847382.5	3.0	3.4	-34.8	-1.7	2.7	-13.7	-7.7	9.1
92 8 6	4157847380.6	1.2	3.4	-37.7	-4.5	2.7	-2.7	3.2	9.1
92 8 8	4157847379.5	.1	3.2	-38.2	-5.0	3.9	-30.4	-24.5	9.0
92 8 10	4157847384.5	5.0	3.0	-30.3	2.9	3.5	-11.3	-5.3	8.0
92 10 14	4157847372.5	-7.0	2.0	-34.9	-1.7	3.5	3.9	9.8	6.2
92 10 31	4157847382.6	3.2	3.2	-38.3	-5.1	4.2	-23.7	-17.7	9.4
92 11 21	4157847375.0	-4.4	3.1	-36.5	-3.3	4.1	-14.2	-8.2	9.2
92 12 30	4157847370.3	-9.1	3.2	-38.9	-5.7	3.3	20.4	26.4	9.0

Table 7.130

Baseline summary for GI1CREEK-NRAO85 1

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 10 31	5035050052.1	.0	3.1	-44.5	.0	5.1	-38.6	.0	9.4

Table 7.132

Baseline summary for GILCREEK-NRAO 140

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 9 7	5034558671.4	-1.5	6.7	-24.0	12.3	6.4	-8.4	22.0	16.0
92 10 31	5034558673.2	.3	3.1	-44.1	-7.8	5.1	-38.0	-7.6	9.4

Table 7.133
Baseline summary for GILCREEK-SANTIA12

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
91 12 18	10696510896.0	30.0	39.6	-97.9	14.3	9.9	-40.5	-3.5	28.5
91 12 19	10696510873.6	7.6	28.9	-90.2	22.0	9.2	-36.9	.0	21.8
92 7 16	10696510758.8	-107.2	51.3	-120.9	-8.7	15.0	23.4	60.4	33.7
92 7 22	10696510866.3	.3	26.5	-129.0	-16.8	8.8	-51.2	-14.2	20.9
92 7 23	10696510875.5	9.5	28.0	-124.3	-12.1	8.9	-44.2	-7.2	20.9

Table 7.134
Baseline summary for GILCREEK-TROMSONO

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 8 27	4898530416.1	12.1	13.7	-102.7	-1.1	4.7	-55.0	.6	29.5
92 8 29	4898530404.8	.8	12.7	-94.6	7.1	5.3	-27.6	28.0	27.5
92 8 30	4898530394.7	-9.3	11.5	-108.7	-7.0	5.9	-79.3	-23.7	25.1

Table 7.135
Baseline summary for GILCREEK-TRYSILNO

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
91 11 9	5678966109.4	15.3	13.5	-60.5	-2.3	7.0	-71.6	-14.8	26.4
91 11 16	5678966099.9	5.8	8.8	-57.1	1.1	6.4	-53.9	2.9	17.9
91 12 10	5678966091.9	-2.2	11.5	-63.9	-5.7	6.2	-48.3	8.5	23.2
91 12 15	5678966081.4	-12.7	8.3	-61.6	-3.5	5.4	-54.7	2.2	16.5
91 12 21	5678966083.4	-10.7	10.4	-60.6	-2.5	6.5	-46.2	10.6	21.0
91 12 31	5678966083.9	-10.2	13.6	-52.4	5.7	6.8	-75.5	-18.7	29.6
92 1 7	5678966093.1	-1.0	11.4	-57.8	.3	6.1	-53.9	2.9	22.3
92 1 14	5678966108.8	14.7	9.0	-57.7	.5	5.7	-53.0	3.8	18.4
92 2 8	5678966105.5	11.4	17.3	-57.7	.4	8.6	-57.6	-.7	36.1
92 2 22	5678966074.5	-19.6	10.1	-60.4	-2.3	6.1	-26.3	30.5	20.3
92 3 14	5678966136.7	42.6	13.6	-44.9	13.2	6.9	-139.0	-82.2	27.2
92 3 21	5678966086.5	-7.6	12.5	-58.8	-.6	6.3	-52.6	4.2	25.6

Table 7.136
Baseline summary for GILCREEK-USSURISK

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 3 13	5122939628.8	.0	85.9	1905.4	.0	38.7	-381.6	.0	163.0

Table 7.137
Baseline summary for GILCREEK-YLOW7296

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
91 7 1	1630815493.6	-1.5	2.8	-14.6	2.0	2.6	-76.6	1.6	10.4
91 7 13	1630815491.9	-3.2	4.9	-17.5	-.9	4.8	-34.2	44.0	23.1
91 7 14	1630815493.1	-2.0	4.8	-6.4	10.2	4.6	-58.2	20.1	21.5
91 7 18	1630815500.8	5.7	3.9	-9.2	7.4	3.6	-78.4	-.1	18.6
91 7 19	1630815495.0	-.1	3.9	-8.7	7.9	3.6	-44.6	33.7	17.1
91 7 23	1630815489.6	-5.4	3.9	-4.1	12.5	4.1	-66.1	12.1	21.2
91 7 24	1630815497.8	2.8	3.9	-18.7	-2.1	4.3	-73.1	5.1	19.7
91 8 4	1630815500.4	5.3	2.9	-20.8	-4.2	2.6	-74.2	4.0	10.8
92 5 16	1630815494.1	-.9	3.3	-18.1	-1.4	2.7	-56.6	21.7	13.7
92 5 17	1630815488.9	-6.1	3.5	-19.5	-2.8	3.0	-60.5	17.7	13.4
92 5 21	1630815491.3	-3.7	3.6	-17.0	-.3	2.6	-83.6	-5.3	14.7
92 6 17	1630815499.6	4.6	2.6	-20.3	-3.7	2.4	-108.1	-29.9	10.4
92 6 20	1630815494.1	-.9	2.5	-20.2	-3.5	2.3	-104.9	-26.6	10.3
92 6 21	1630815494.5	-.6	2.7	-17.1	-.4	2.6	-77.4	.9	10.9

Table 7.138

Baseline summary for GORF7102-YLOW7296

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
92 5 21	3580911487.8	-1.3	7.2	-37.7	-.3	4.7	-7.9	5.3	19.9
92 6 17	3580911489.9	.8	5.5	-37.2	.2	4.1	-16.2	-3.0	15.1

Table 7.139

Baseline summary for HARTRAO -KASHIM34

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
90 5 24	11181747919.2	192.3	56.6	4.5	-41.3	17.0	103.5	36.1	29.6
90 5 25	11181747846.5	119.6	35.3	33.9	-11.9	14.3	73.3	5.9	21.2
91 4 16	11181747756.5	29.5	34.2	43.1	-2.6	12.4	49.0	-18.4	21.0
91 7 19	11181747688.5	-38.4	25.3	26.0	-19.8	10.8	64.7	-2.7	15.3
91 12 18	11181747746.6	19.7	45.5	59.1	13.3	11.4	97.9	30.5	26.6
91 12 19	11181747711.9	-15.0	30.9	49.0	3.2	11.0	71.1	3.7	19.9
92 4 16	11181747631.0	-95.9	28.9	90.2	44.4	13.1	40.8	-26.6	22.3

Table 7.140

Baseline summary for HARTRAO -MATERA

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
91 11 20	7032844476.3	21.8	17.4	49.3	13.7	6.3	52.0	10.9	29.3
92 7 29	7032844420.6	-33.9	22.0	25.7	-9.9	6.4	1.2	-39.9	39.3
92 7 30	7032844462.2	7.7	17.4	31.3	-4.3	6.7	48.0	6.9	31.8
92 8 5	7032844427.3	-27.2	32.7	36.2	.6	8.3	11.1	-30.0	49.3
92 8 6	7032844454.1	-.5	16.9	35.1	-.5	6.7	57.5	16.4	29.7

Table 7.141

Baseline summary for HARTRAO -NRAO85 3

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
91 11 20	10971697918.5	12.5	28.9	-51.0	38.2	11.0	47.5	12.9	21.8
92 1 22	10971697869.0	-37.0	76.7	-76.5	12.8	19.1	14.5	-20.1	42.2
92 7 29	10971697868.9	-37.1	39.6	-106.6	-17.3	12.6	19.0	-15.6	24.5
92 7 30	10971697919.7	13.7	32.8	-111.4	-22.2	9.5	33.7	-.9	19.7
92 8 5	10971697856.8	-49.2	45.5	-86.5	2.8	12.8	31.4	-3.3	27.7
92 8 6	10971697929.6	23.6	30.2	-90.5	-1.2	8.6	40.4	5.8	18.5

Table 7.142

Baseline summary for HARTRAO -SANTIA12

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
91 11 21	8424406097.2	-11.4	25.0	17.8	-21.2	10.6	-14.9	39.4	33.2
91 12 11	8424406136.6	28.0	27.6	27.1	-11.9	10.6	-30.4	23.9	32.1
91 12 18	8424406126.8	18.3	43.3	27.2	-11.8	10.4	-57.5	-3.3	52.3
91 12 19	8424406088.6	-19.9	30.3	27.8	-11.1	9.8	-59.0	-4.8	34.3
92 1 21	8424406099.4	-9.1	39.1	16.9	-22.1	15.2	-115.1	-60.8	52.0
92 1 22	8424406105.8	-2.8	48.1	24.0	-14.9	11.3	-112.5	-58.3	65.2
92 1 28	8424406192.6	84.0	27.6	4.5	-34.4	10.2	-128.2	-73.9	34.3
92 2 12	8424406127.1	18.6	37.0	18.8	-20.1	15.3	-128.7	-74.5	57.2
92 3 10	8424406105.7	-2.8	26.6	34.9	-4.1	11.3	-34.1	20.1	34.5
92 4 14	8424406120.8	12.2	24.3	41.3	2.4	10.8	15.6	69.8	32.8
92 5 22	8424406085.7	-22.9	23.6	44.2	5.3	8.9	-53.4	.9	24.7
92 5 28	8424406088.1	-20.4	23.8	51.5	12.6	11.4	-9.0	45.2	30.6
92 6 2	8424406091.6	-16.9	31.1	29.4	-9.5	11.9	-102.8	-48.6	39.5
92 6 14	8424406060.0	-48.6	28.3	26.6	-12.4	10.2	-98.2	-44.0	32.1
92 7 9	8424406109.1	.5	18.2	7.8	-31.1	13.6	-38.8	15.5	25.0
92 7 21	8424406088.7	-19.8	24.0	31.4	-7.6	10.7	-85.6	-31.3	29.1

Table 7.142 (continued)

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 7 22	8424406135.1	26.5	28.4	52.0	13.1	9.2	7.5	61.7	31.8
92 7 23	8424406087.4	-21.2	27.4	71.2	32.2	9.9	-71.0	-16.8	34.8
92 7 29	8424406080.9	-27.7	30.8	41.8	2.8	8.4	-85.0	-30.8	39.7
92 7 30	8424406125.4	16.8	26.2	36.5	-2.5	7.8	-78.0	-23.8	32.0
92 8 5	8424406088.6	-20.0	39.3	51.4	12.4	9.0	-97.9	-43.6	50.7
92 8 6	8424406095.8	-12.7	26.6	41.7	2.7	8.0	-38.3	16.0	29.9
92 8 11	8424406070.4	-38.1	23.0	44.8	5.9	8.0	-107.8	-53.6	27.5
92 8 19	8424406098.1	-10.5	16.3	29.2	-9.8	13.8	3.4	57.6	23.2
92 9 17	8424406106.6	-2.0	25.5	52.1	13.1	11.4	-88.9	-34.7	34.7
92 10 20	8424406123.0	14.5	34.9	52.5	13.5	14.4	32.1	86.4	42.9
92 10 21	8424406133.4	24.9	20.3	61.4	22.4	10.9	-48.1	6.2	24.5
92 12 3	8424406143.4	34.9	23.2	52.8	13.8	8.9	-112.3	-58.0	28.5
92 12 15	8424406162.3	53.7	30.5	62.5	23.5	11.9	-14.7	39.6	40.3

Table 7.143
Baseline summary for HAYSTACK-KASHIMA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
84 8 31	9501780052.5	79.1	19.7	-42.4	-24.1	6.6	-88.6	-110.2	21.8
84 9 3	9501780006.0	32.6	20.6	-51.2	-32.9	8.0	-35.8	-57.4	22.2
91 8 13	9501779932.5	-40.9	14.7	26.0	44.3	9.6	115.8	94.2	17.8
92 6 30	9501779951.0	-22.3	15.4	37.4	55.7	9.7	38.2	16.6	17.7

Table 7.144
Baseline summary for HAYSTACK-MEDICINA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 8 21	6143998966.0	-9.3	6.6	-29.4	9.3	5.6	14.5	-16.6	13.7
91 3 29	6143998978.3	3.0	7.2	-38.9	-.2	5.9	32.6	1.5	15.0
92 6 30	6143998988.2	12.9	9.1	-49.7	-11.1	6.2	57.2	26.2	17.9

Table 7.145
Baseline summary for HN-VLBA -KP-VLBA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 8 29	3623021262.5	.0	3.1	-47.3	.0	2.5	41.1	.0	9.5

Table 7.146
Baseline summary for HN-VLBA -NL-VLBA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 8 29	1611103394.8	.0	2.0	-19.5	.0	1.7	20.0	.0	8.6

Table 7.147
Baseline summary for HN-VLBA -OV-VLBA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 8 29	3885867743.1	.0	3.6	-48.2	.0	2.8	48.1	.0	10.5

Table 7.148
Baseline summary for HN-VLBA -PIETOWN

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 8 29	3226576998.8	.0	3.1	-37.3	.0	2.6	82.0	.0	10.2

Table 7.149
Baseline summary for HOBART26-SANTIA12

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
91 11 21	9522904351.9	-24.5	32.7	119.3	-29.8	9.8	-40.1	50.6	27.3
91 12 11	9522904411.1	34.7	30.3	148.7	-.4	11.0	-62.9	27.8	27.6
91 12 18	9522904381.8	5.4	41.1	143.6	-5.6	11.4	-99.0	-8.4	34.8
91 12 19	9522904383.5	7.1	34.0	139.0	-10.1	11.2	-69.6	21.1	26.8
92 1 21	9522904385.6	9.2	48.7	137.9	-11.2	10.8	-126.9	-36.2	41.2
92 1 28	9522904392.0	15.6	30.3	118.1	-31.1	9.6	-207.4	-116.7	28.3
92 2 12	9522904438.1	61.7	54.2	128.4	-20.7	14.1	-119.1	-28.4	43.1
92 3 10	9522904364.5	-12.0	33.4	143.4	-5.7	8.2	-61.8	28.9	28.5
92 4 14	9522904332.6	-43.8	31.0	150.3	1.2	9.3	-90.0	.7	26.9
92 5 22	9522904375.2	-1.2	23.4	155.2	6.1	7.4	-83.7	7.0	20.7
92 5 28	9522904320.8	-55.6	28.4	143.1	-6.1	9.4	-82.5	8.2	26.0
92 6 2	9522904376.2	-.2	38.1	143.1	-6.0	9.6	-91.0	-.4	32.5
92 6 14	9522904399.5	23.0	39.5	153.3	4.2	9.9	-86.5	4.2	29.9
92 7 21	9522904365.7	-10.7	28.9	157.0	7.9	8.5	-104.5	-13.8	25.5
92 7 22	9522904394.4	18.0	29.3	163.0	13.9	9.5	-83.5	7.2	22.5
92 7 23	9522904386.8	10.4	32.3	153.7	4.6	10.5	-116.7	-26.0	26.6
92 8 11	9522904393.2	16.8	27.6	159.9	10.8	6.9	-78.8	11.9	23.5
92 9 17	9522904373.8	-2.6	30.6	162.5	13.4	11.2	-112.1	-21.5	29.4
92 10 20	9522904319.4	-57.0	40.2	169.1	19.9	10.0	-73.7	16.9	34.8
92 12 15	9522904433.3	56.9	35.8	172.5	23.4	11.2	-71.0	19.7	31.8

Table 7.150
Baseline summary for HOBART26-USSURISK

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 3 13	8812971800.8	.0	130.3	-2138.0	.0	33.7	-55.9	.0	142.3

Table 7.151
Baseline summary for HOBART26-WETTZELL

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
91 4 16	12247179528.5	-.7	32.4	-133.4	37.2	12.2	1.2	9.8	17.9
91 7 19	12247179565.2	36.0	28.3	-109.1	61.5	10.9	-51.3	-42.7	15.0
91 12 18	12247179531.3	2.1	29.1	-173.6	-3.0	10.8	-1.3	7.3	14.1
91 12 19	12247179531.1	1.9	29.1	-179.1	-8.5	11.0	12.3	21.0	14.4
92 7 22	12247179471.3	-57.9	24.8	-197.1	-26.6	10.5	4.9	13.5	12.9
92 7 23	12247179502.7	-26.5	28.0	-194.9	-24.3	10.9	4.0	12.7	13.9
92 8 12	12247179574.4	45.2	23.9	-190.5	-19.9	9.6	-29.7	-21.1	13.0

Table 7.152
Baseline summary for HOFN -ONSALA60

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 7 21	1640016197.0	2.1	6.3	-21.3	-3.9	4.3	-30.1	-17.4	38.3
92 7 27	1640016187.2	-7.6	5.6	-21.2	-3.8	3.9	-9.6	3.1	31.5
92 7 28	1640016202.9	8.1	6.5	-10.4	7.0	3.9	-1.7	11.0	35.3

Table 7.153
Baseline summary for HOFN -RICHMOND

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 7 23	6025898900.2	.0	130.8	-33.6	.0	27.1	295.3	.0	370.6

Table 7.154

Baseline summary for HOFN -WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 7 21	4166563734.0	-11.1	14.2	3.4	-4.3	6.7	-16.3	11.6	38.6
92 7 27	4166563738.4	-6.7	11.1	8.5	.8	4.9	-37.8	-9.9	32.4
92 7 28	4166563760.2	15.1	11.7	9.0	1.3	4.7	-26.0	1.9	34.9

Table 7.155

Baseline summary for HOFN -WETTZELL

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 7 21	2356166459.7	1.4	8.3	-23.3	4.8	4.4	-6.3	-24.1	38.3
92 7 27	2356166454.7	-3.6	7.4	-35.1	-7.1	4.0	17.0	-.9	31.6
92 7 28	2356166461.5	3.2	8.4	-24.6	3.4	4.1	39.2	21.3	35.0

Table 7.156

Baseline summary for HOHNBERG-WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 6 16	5952734139.5	.0	16.0	-23.7	.0	6.9	-32.7	.0	31.6

Table 7.157

Baseline summary for HOHNBERG-WETTZELL

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 6 16	203089809.7	-1.3	3.7	-2.1	.5	3.7	-.8	-19.4	32.1
92 6 18	203089821.6	10.7	8.2	-11.8	-9.2	6.1	-3.9	-22.5	48.2
92 6 19	203089808.6	-2.3	6.0	1.2	3.8	4.2	45.7	27.1	30.8

Table 7.158

Baseline summary for KARLBURG-MATERA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 7 8	1497018364.8	.0	11.0	-26.9	.0	6.2	-22.4	.0	46.0

Table 7.159

Baseline summary for KARLBURG-MEDICINA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 7 8	1060755425.7	.0	8.4	-6.7	.0	7.2	8.8	.0	44.7

Table 7.160

Baseline summary for KARLBURG-MOJAVE12

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 7 7	8298158670.5	.0	19.4	-35.1	.0	9.4	21.5	.0	25.7

Table 7.161

Baseline summary for KARLBURG-ONSALA60

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 7 7	394283753.4	-3.3	3.6	-6.7	-.3	3.0	-22.4	-5.3	27.1
92 7 8	394283774.2	17.5	8.4	-5.5	.9	5.4	-1.9	15.1	45.9

Table 7.162

Baseline summary for KARLBURG-WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 7 7	5823912855.9	.0	12.9	-22.7	.0	7.0	-42.5	.0	27.0

Table 7.163

Baseline summary for KARLBURG-WETTZELL

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 7 7	540583104.8	.0	3.7	-6.9	.0	2.8	9.6	.0	26.7

Table 7.164

Baseline summary for KASHIM34-KAUAI

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 3 23	5709565756.6	50.4	5.5	-23.5	9.4	5.1	-83.6	19.3	11.4
90 4 20	5709565745.1	38.8	6.0	-22.4	10.5	5.2	-69.1	33.8	13.8
90 5 24	5709565722.7	16.5	11.5	-29.3	3.6	7.4	-41.2	61.6	23.6
90 5 25	5709565728.6	22.4	11.3	-26.7	6.1	7.5	-94.0	8.9	23.8
90 9 11	5709565689.0	-17.3	28.5	-30.3	2.6	12.3	-51.3	51.5	52.7
90 10 11	5709565712.3	6.1	5.8	-27.7	5.2	5.4	-118.7	-15.8	14.0
91 3 25	5709565674.9	-31.3	17.1	-36.9	-4.0	7.1	-122.0	-19.2	31.2
91 8 26	5709565633.1	-73.2	7.8	-32.7	.2	5.9	-101.6	1.3	16.1
91 12 18	5709565645.5	-60.8	12.0	-49.8	-16.9	6.7	-167.8	-64.9	24.3
91 12 19	5709565619.8	-86.5	12.4	-42.9	-10.0	6.6	-139.1	-36.2	26.9
92 3 11	5709565628.9	-77.4	9.3	-44.9	-12.0	5.3	-185.7	-82.8	19.6

Table 7.165

Baseline summary for KASHIM34-MATERA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 3 11	8852010048.7	.0	19.1	8.2	.0	8.4	-152.1	.0	21.1

Table 7.166

Baseline summary for KASHIM34-NRAO85 3

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 3 11	9546316707.7	.0	17.5	39.4	.0	8.5	-100.2	.0	17.9

Table 7.167

Baseline summary for KASHIMA -MATERA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 7 29	8852231314.9	-45.2	47.4	18.6	13.3	8.8	-213.2	-68.7	52.3
92 7 30	8852231372.4	12.3	27.2	6.0	.7	8.1	-150.5	-6.0	31.6
92 8 5	8852231382.8	22.7	47.8	-7.2	-12.6	9.6	-117.9	26.6	54.3
92 8 6	8852231369.0	8.9	27.3	8.8	3.5	8.5	-139.2	5.2	30.2
92 8 11	8852231368.5	8.4	19.4	4.6	-.7	6.5	-146.3	-1.8	20.7
92 9 23	8852231367.8	7.7	23.7	3.0	-2.4	10.4	-162.1	-17.6	27.2
92 11 5	8852231339.1	-21.0	19.6	2.0	-3.4	7.9	-124.8	19.7	21.0

Table 7.168

Baseline summary for KASHIMA -MEDICINA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
90 5 9	8811399459.7	28.3	17.6	-3.7	4.6	9.4	-138.5	-43.6	21.6
92 6 30	8811399443.9	12.5	14.4	-25.1	-16.9	9.4	-34.0	61.0	18.5
92 12 6	8811399415.7	-15.7	10.2	3.2	11.4	9.1	-109.4	-14.5	13.0

Table 7.169

Baseline summary for KASHIMA -NRAO85 3

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 7 29	9546350498.5	-64.3	52.8	38.4	1.7	10.7	-163.8	-66.6	48.5
92 7 30	9546350571.9	9.0	32.2	35.7	-1.0	7.0	-85.3	11.8	29.2
92 8 5	9546350551.7	-11.2	52.6	29.8	-6.9	9.7	-56.4	40.7	43.6
92 8 6	9546350570.7	7.8	29.7	29.2	-7.5	6.5	-105.8	-8.7	29.3
92 8 11	9546350556.4	-6.5	15.8	38.5	1.7	6.0	-81.7	15.4	16.2
92 9 23	9546350565.2	2.3	25.7	38.9	2.2	10.9	-114.0	-16.8	26.5
92 11 5	9546350575.8	12.9	20.1	46.9	10.2	7.4	-112.9	-15.8	22.3

Table 7.170

Baseline summary for KASHIMA -SAGARA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 11 24	266265690.2	.0	9.6	112.0	.0	9.4	-27.0	.0	33.9

Table 7.171

Baseline summary for KASHIMA -SANTIA12

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 7 16	12419272487.7	-99.1	55.2	-102.7	13.5	17.5	1.5	22.7	20.1
92 7 22	12419272616.3	29.4	31.0	-125.3	-9.1	11.8	-14.4	6.8	12.6
92 7 23	12419272606.0	19.1	33.2	-121.0	-4.7	12.1	-23.3	-2.2	13.6
92 7 29	12419272481.6	-105.2	71.1	-129.8	-13.5	13.1	-60.8	-39.7	19.8
92 7 30	12419272606.7	19.9	45.7	-104.5	11.7	10.9	-23.9	-2.8	13.2
92 8 5	12419272621.4	34.5	73.6	-110.5	5.7	13.0	-18.1	3.1	19.0
92 8 6	12419272565.9	-20.9	44.5	-116.3	.0	11.1	-17.3	3.9	13.4

Table 7.172

Baseline summary for KAUAI -LA-VLBA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
91 5 22	5199822539.3	-2.9	3.9	239.8	-47.7	4.4	-76.3	14.1	9.9
91 6 29	5199822525.4	-16.8	3.8	231.7	-55.7	4.5	-83.7	6.6	10.1
91 7 11	5199822529.8	-12.4	3.9	246.1	-41.4	3.6	-73.1	17.2	9.7
91 9 7	5199822526.1	-16.1	4.9	254.7	-32.7	5.1	-57.9	32.5	12.3
91 10 16	5199822531.2	-11.0	5.1	265.5	-22.0	4.0	-95.5	-5.1	12.3
91 10 17	5199822549.2	7.0	6.7	260.5	-27.0	5.1	-103.5	-13.1	16.2
91 10 19	5199822542.7	.5	5.3	262.6	-24.9	5.5	-86.2	4.2	13.4
91 10 21	5199822537.4	-4.8	4.1	255.0	-32.5	4.1	-51.9	38.4	10.2
91 10 23	5199822529.3	-12.9	4.9	257.1	-30.4	4.3	-94.0	-3.6	11.5
91 11 2	5199822534.3	-7.9	4.9	252.5	-35.0	5.0	-115.8	-25.5	11.1
91 12 5	5199822535.2	-7.0	2.9	265.5	-21.9	3.6	-98.8	-8.5	7.6
92 1 8	5199822541.2	-1.0	3.6	274.2	-13.3	4.6	-93.5	-3.1	9.6
92 2 5	5199822540.0	-2.2	3.3	271.6	-15.9	4.3	-78.5	11.9	8.9
92 4 22	5199822547.2	5.0	3.5	292.5	5.0	4.6	-90.4	-.1	9.1
92 7 1	5199822548.3	6.1	5.5	306.0	18.5	4.8	-73.8	16.6	14.4
92 7 29	5199822542.2	.0	7.1	326.1	38.6	4.9	-78.9	11.5	16.5
92 7 30	5199822562.9	20.7	5.1	318.6	31.1	3.7	-84.4	6.0	13.1
92 8 1	5199822539.0	-3.2	5.2	313.1	25.6	5.0	-136.3	-46.0	13.1

Table 7.172 (continued)

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 8 3	5199822551.4	9.2	4.4	311.2	23.7	4.5	-88.7	1.6	11.6
92 8 5	5199822555.4	13.2	5.1	319.8	32.3	3.4	-101.2	-10.8	12.4
92 8 6	5199822552.7	10.5	4.7	323.8	36.3	3.5	-89.2	1.2	12.0
92 8 8	5199822559.6	17.4	4.0	312.5	25.0	4.8	-103.3	-12.9	11.2
92 8 10	5199822557.3	15.1	4.0	317.5	30.0	4.2	-102.5	-12.2	10.6
92 9 2	5199822561.7	19.5	6.5	320.5	33.0	5.3	-54.7	35.7	17.0
92 11 21	5199822558.5	16.3	4.7	334.8	47.3	5.0	-109.5	-19.1	12.3
92 12 30	5199822524.0	-18.2	5.2	337.0	49.5	4.7	-147.8	-57.5	14.5

Table 7.173
Baseline summary for KAUAI -SANTIA12

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
91 12 18	9834797927.7	29.3	40.1	-41.0	14.7	11.6	-226.9	37.7	32.5
91 12 19	9834797878.7	-19.7	32.5	-41.2	14.5	11.1	-256.0	8.6	26.2
92 7 16	9834797830.9	-67.5	45.0	-64.0	-8.3	16.5	-199.6	65.0	38.7
92 7 22	9834797908.7	10.3	28.0	-73.2	-17.5	10.4	-298.0	-33.4	23.6
92 7 23	9834797917.5	19.1	30.4	-59.8	-4.1	10.8	-284.3	-19.8	25.0

Table 7.174
Baseline summary for KAUAI -USSURISK

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 3 13	6348883948.0	.0	93.3	272.8	.0	53.7	410.8	.0	154.0

Table 7.175
Baseline summary for KAUAI -WETTZELL

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
91 2 13	10357464660.6	23.5	9.2	138.1	-41.1	8.0	90.1	17.6	10.6
91 3 15	10357464650.2	13.1	7.4	131.9	-47.3	8.0	76.3	3.9	9.4
91 4 19	10357464655.3	18.2	8.4	135.2	-44.1	10.1	77.0	4.6	10.2
91 5 22	10357464676.1	38.9	8.2	148.5	-30.8	9.7	59.7	-12.8	9.9
91 6 29	10357464645.0	7.8	8.4	144.6	-34.6	9.2	65.5	-7.0	11.4
91 7 11	10357464652.2	15.1	8.7	150.6	-28.6	6.4	64.6	-7.9	9.7
91 8 22	10357464638.0	.9	10.0	164.2	-15.0	7.6	77.6	5.2	11.5
91 9 7	10357464653.0	15.9	10.3	152.0	-27.3	10.6	69.1	-3.3	12.4
91 10 16	10357464636.0	-1.1	10.7	167.5	-11.8	6.0	59.3	-13.1	10.8
91 10 17	10357464647.5	10.4	13.9	163.7	-15.6	7.7	62.8	-9.7	13.7
91 10 19	10357464648.6	11.5	10.7	168.4	-10.8	10.3	63.9	-8.6	13.5
91 10 21	10357464660.3	23.2	8.6	157.0	-22.2	8.2	88.0	15.5	9.9
91 10 23	10357464635.8	-1.3	10.0	162.6	-16.7	6.2	59.3	-13.2	10.9
91 11 2	10357464637.2	.1	8.0	162.4	-16.9	10.2	40.4	-32.0	11.0
91 12 5	10357464627.8	-9.3	6.4	165.4	-13.9	7.0	53.4	-19.1	8.6
91 12 18	10357464666.7	29.5	22.6	163.9	-15.3	8.7	81.7	9.2	18.9
91 12 19	10357464608.4	-28.7	24.3	175.7	-3.5	9.4	76.1	3.6	20.1
92 1 8	10357464637.5	.4	7.7	180.4	1.2	10.0	49.4	-23.1	9.5
92 1 22	10357464627.3	-9.8	21.0	178.3	-.9	10.6	69.5	-2.9	16.2
92 2 5	10357464639.6	2.5	7.4	173.7	-5.5	9.6	75.1	2.7	8.4
92 2 12	10357464603.2	-33.9	23.2	170.0	-9.2	12.2	63.6	-8.8	18.3
92 3 4	10357464603.1	-34.1	8.3	182.4	3.2	10.0	72.4	.0	9.3
92 4 22	10357464643.0	5.8	13.4	193.7	14.5	10.4	66.7	-5.7	14.4
92 5 13	10357464617.8	-19.3	10.2	182.9	3.7	10.3	82.3	9.8	10.6
92 7 1	10357464611.6	-25.5	12.2	196.9	17.7	9.7	101.4	29.0	12.8
92 7 22	10357464562.7	-74.4	21.9	208.8	29.6	9.1	95.6	23.2	18.3
92 7 23	10357464619.7	-17.5	21.6	201.3	22.1	9.7	70.2	-2.3	18.0
92 7 29	10357464624.7	-12.4	14.6	193.4	14.1	5.9	97.9	25.4	12.7
92 7 30	10357464544.0	6.9	12.1	205.3	26.0	6.0	96.3	23.8	11.0
92 8 1	10357464597.7	-39.4	11.5	199.2	20.0	9.5	51.9	-20.5	12.4

Table 7.175 (continued)

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 8 3	10357464622.1	-15.0	10.3	195.7	16.5	8.9	82.5	10.0	10.9
92 8 5	10357464631.3	-5.8	11.4	204.3	25.0	5.4	73.0	.6	10.2
92 8 6	10357464644.7	7.6	11.5	210.1	30.9	5.9	83.5	11.0	10.6
92 8 8	10357464652.7	15.5	10.2	195.8	16.5	9.2	58.3	-14.1	11.7
92 8 10	10357464666.6	29.5	9.4	202.1	22.9	8.5	61.2	-11.2	10.3
92 9 2	10357464661.0	23.9	14.6	196.4	17.2	12.0	105.1	32.6	14.8
92 11 6	10357464606.7	-30.4	9.4	202.8	23.5	10.5	102.0	29.6	10.9
92 11 21	10357464598.6	-38.5	11.3	213.8	34.6	10.4	89.9	17.5	12.1
92 12 30	10357464554.7	-82.5	12.5	216.7	37.4	8.0	56.2	-16.3	12.3

Table 7.176
Baseline summary for KIRSBERG-ONSALA60

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 6 26	704561016.0	3.2	4.8	-14.3	-8.4	3.7	20.0	28.3	32.1
92 6 27	704561008.9	-3.8	3.6	-.3	5.6	3.3	-8.9	-.6	22.1
92 6 29	704561014.1	1.4	3.0	-5.0	.9	2.8	-16.9	-8.6	18.1

Table 7.177
Baseline summary for KIRSBERG-WETTZELL

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 6 26	251191932.3	6.0	3.5	-4.2	-3.0	3.6	33.9	18.3	30.6
92 6 27	251191924.4	-1.9	2.8	-1.0	.2	3.1	9.7	-5.9	22.9
92 6 29	251191925.1	-1.2	2.2	-.2	1.0	2.2	13.1	-2.5	17.5

Table 7.178
Baseline summary for KP-VLBA -NL-VLBA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 8 29	2075860846.6	.0	2.1	-27.5	.0	1.8	-23.3	.0	8.1

Table 7.179
Baseline summary for KP-VLBA -OV-VLBA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 8 29	845454536.9	.0	1.8	-11.7	.0	1.7	.7	.0	9.1

Table 7.180
Baseline summary for KP-VLBA -PIETOWN

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 8 29	417009134.3	.0	1.8	-12.6	.0	1.7	36.9	.0	8.4

Table 7.181
Baseline summary for LA-VLBA -MOJAVE12

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
91 5 22	964980742.6	-9.2	1.8	27.8	6.5	1.7	40.0	17.7	7.2
91 6 29	964980759.3	7.5	1.8	15.3	-5.9	1.7	13.0	-9.2	7.3
91 7 11	964980748.1	-3.6	1.8	26.7	5.4	1.5	35.2	12.9	6.8
91 9 7	964980748.6	-3.1	2.3	22.6	1.4	2.1	5.9	-16.3	8.9
91 10 16	964980751.7	.0	1.9	19.7	-1.5	1.8	10.1	-12.2	7.6

Table 7.181 (continued)

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
91 10 17	964980755.2	3.5	2.5	20.9	-.4	2.2	32.3	10.0	9.5
91 10 19	964980750.9	-.8	2.3	22.4	1.2	2.1	32.0	9.8	9.4
91 10 21	964980750.4	-1.3	1.6	15.3	-5.9	1.5	13.5	-8.7	6.2
91 10 23	964980749.0	-2.7	1.9	24.8	3.6	1.7	33.4	11.2	7.2
91 10 24	964980753.7	2.0	2.4	20.9	-.3	1.9	5.0	-17.2	8.8
91 11 2	964980754.5	2.7	2.5	16.0	-5.2	2.1	32.6	10.4	9.0
91 12 5	964980750.3	-1.4	1.3	21.9	.7	1.2	21.4	-.8	5.0
92 1 8	964980755.4	3.7	1.4	20.6	-.6	1.6	17.4	-4.9	6.6
92 2 5	964980753.1	1.3	1.2	20.7	-.5	1.4	12.1	-10.2	6.1
92 4 22	964980752.5	.7	1.3	21.4	.1	1.4	30.0	7.7	5.4

Table 7.182
Baseline summary for LA-VLBA -NRAO85 1

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 10 31	2345646220.4	.0	1.7	-26.5	.0	2.6	.7	.0	7.6

Table 7.183
Baseline summary for LA-VLBA -NRAO85 3

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 10 31	2344352312.7	.0	1.7	-32.5	.0	2.6	-5.6	.0	7.6

Table 7.184
Baseline summary for LA-VLBA -NRAO 140

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 10 31	2344991196.7	.0	1.7	-25.8	.0	2.6	1.1	.0	7.5

Table 7.185
Baseline summary for LA-VLBA -PIETOWN

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
91 5 22	236640003.5	-4.7	2.0	15.4	10.4	2.0	38.0	1.3	8.8
91 6 29	236640006.1	-2.1	1.5	5.9	1.0	1.4	16.9	-19.8	6.3
91 7 11	236640003.5	-4.7	1.3	13.8	8.9	1.3	43.3	6.6	5.5
91 12 5	236640009.7	1.6	1.0	5.6	.7	.9	51.8	15.1	4.0
92 10 20	236640004.4	-3.7	.9	4.8	-.1	.8	38.6	1.9	4.0
92 12 17	236640010.1	1.9	.5	2.5	-2.4	.5	31.0	-5.6	2.6

Table 7.186
Baseline summary for LA-VLBA -WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
91 5 22	3044179222.2	4.5	2.8	-32.9	1.2	2.7	-4.3	27.2	8.4
91 6 29	3044179215.5	-2.2	3.0	-25.7	8.4	2.9	-1.5	30.0	8.7
91 7 11	3044179226.0	8.4	2.7	-33.4	.7	2.1	-43.4	-11.9	7.8
91 9 7	3044179215.8	-1.9	3.5	-41.0	-6.9	3.2	-43.2	-11.6	10.2
91 10 16	3044179223.9	6.2	2.9	-31.8	2.3	2.2	-45.4	-13.9	8.6
91 10 17	3044179223.6	5.9	3.7	-39.8	-5.7	2.9	-29.6	2.0	10.4
91 10 19	3044179217.0	-.7	3.4	-34.3	-.2	3.4	-27.0	4.5	10.0
91 10 21	3044179220.6	2.9	2.5	-33.3	.8	2.4	-48.7	-17.1	7.2
91 10 23	3044179229.3	11.6	2.9	-30.8	3.3	2.2	-39.7	-8.1	8.4
91 10 24	3044179222.8	5.1	3.3	-29.4	4.7	2.7	-21.4	10.1	10.0
91 11 2	3044179219.6	1.9	3.6	-27.6	6.5	3.3	-22.8	8.8	10.8
91 12 5	3044179214.7	-3.0	2.0	-31.4	2.7	2.1	-30.7	.8	6.1
92 1 8	3044179211.1	-6.6	2.1	-35.0	-.9	2.7	-22.2	9.4	7.0

Table 7.186 (continued)

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
91 12 5	3044179214.7	-3.0	2.0	-31.4	2.7	2.1	-30.7	.8	6.1
92 1 8	3044179211.1	-6.6	2.1	-35.0	-.9	2.7	-22.2	9.4	7.0
92 2 5	3044179211.8	-5.9	2.0	-33.5	.6	2.5	-39.1	-7.6	6.8
92 4 22	3044179221.7	4.0	2.4	-30.6	3.5	2.6	-26.9	4.7	7.5
92 7 1	3044179212.9	-4.7	2.9	-35.2	-1.1	3.0	-31.5	.1	8.6
92 7 29	3044179211.4	-6.3	3.0	-32.4	1.7	2.1	-26.6	5.0	9.0
92 7 30	3044179223.9	6.3	3.3	-36.5	-2.4	2.4	-36.4	-4.9	9.2
92 8 1	3044179211.9	-5.7	3.1	-38.5	-4.4	3.1	-42.3	-10.8	8.7
92 8 3	3044179206.4	-11.3	2.9	-34.4	-.3	2.7	-25.3	6.3	8.1
92 8 5	3044179223.5	5.8	3.1	-38.8	-4.7	2.1	-60.7	-29.2	8.5
92 8 6	3044179213.3	-4.4	2.9	-33.2	.9	2.1	-20.1	11.5	8.1
92 8 8	3044179216.3	-1.4	2.8	-38.5	-4.4	2.9	-28.4	3.2	7.9
92 8 10	3044179218.9	1.2	2.9	-33.6	.5	2.6	-11.2	20.3	8.3
92 9 2	3044179214.2	-3.5	3.4	-35.2	-1.1	3.3	-21.6	9.9	10.1
92 10 14	3044179218.4	.7	1.7	-37.5	-3.4	2.3	-40.7	-9.1	5.3
92 10 31	3044179223.1	5.4	2.0	-35.7	-1.6	3.1	-23.1	8.4	7.5
92 12 30	3044179213.8	-3.9	2.7	-38.2	-4.1	2.4	-45.9	-14.4	8.0

Table 7.187
Baseline summary for LA-VLBA -WETTZELL

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
91 5 22	8161830117.9	9.3	5.7	-69.8	9.5	7.0	-2.4	6.3	10.6
91 6 29	8161830096.5	-12.2	5.8	-63.8	15.5	6.9	13.4	22.1	10.9
91 7 11	8161830099.7	-9.0	5.5	-72.3	7.0	4.6	-2.4	6.3	9.8
91 9 7	8161830094.3	-14.4	6.8	-76.1	3.3	7.8	-14.5	-5.8	12.1
91 10 16	8161830105.8	-2.9	5.7	-73.2	6.1	4.2	-5.1	3.6	9.9
91 10 17	8161830118.3	9.6	7.1	-77.7	1.6	5.4	14.4	23.1	11.7
91 10 19	8161830106.0	-2.7	6.3	-75.2	4.1	7.7	-1.7	7.0	11.9
91 10 21	8161830094.1	-14.6	4.9	-70.2	9.1	5.8	1.3	10.0	9.2
91 10 23	8161830102.0	-6.7	5.8	-71.1	8.2	4.2	-.9	7.8	10.2
91 10 24	8161830115.5	6.8	7.1	-66.2	13.1	6.2	-17.0	-8.3	13.8
91 11 2	8161830114.5	5.8	6.5	-74.2	5.2	7.7	.3	9.0	11.3
91 12 5	8161830101.0	-7.7	4.1	-82.7	-3.4	5.2	-2.1	6.6	8.3
92 1 8	8161830102.0	-6.7	5.4	-80.8	-1.5	7.3	-18.2	-9.5	9.8
92 2 5	8161830096.9	-11.8	4.7	-74.5	4.8	6.9	-1.9	6.8	8.8
92 4 22	8161830110.1	1.4	9.7	-76.1	3.3	7.6	-17.5	-8.8	16.1
92 7 1	8161830080.5	-28.2	6.4	-81.7	-2.3	7.2	6.0	14.7	11.6
92 7 29	8161830110.4	1.7	6.8	-87.4	-8.1	3.9	-11.6	-2.9	10.0
92 7 30	8161830117.6	8.9	7.2	-80.7	-1.3	4.4	-3.6	5.1	10.4
92 8 1	8161830115.9	7.2	6.4	-87.3	-8.0	7.1	-8.4	.3	10.8
92 8 3	8161830102.2	-6.4	6.2	-88.9	-9.5	6.5	-5.7	3.0	10.0
92 8 5	8161830119.3	10.6	6.6	-87.7	-8.4	3.9	-15.3	-6.6	9.1
92 8 6	8161830122.9	14.2	6.8	-77.2	2.1	4.3	-23.6	-14.9	10.3
92 8 8	8161830136.8	28.1	6.5	-92.0	-12.7	7.0	-23.8	-15.1	10.8
92 8 10	8161830149.1	40.4	5.5	-82.0	-2.7	6.3	-33.1	-24.4	9.3
92 9 2	8161830115.9	7.2	7.3	-86.7	-7.4	8.5	-16.2	-7.5	12.9
92 10 14	8161830117.4	8.7	3.6	-88.9	-9.6	6.6	-31.1	-22.4	8.1
92 11 21	8161830103.4	-5.3	7.0	-92.2	-12.9	7.7	5.1	13.8	12.1
92 12 30	8161830096.6	-12.1	6.0	-87.1	-7.7	5.8	-13.4	-4.7	10.5

Table 7.188
Baseline summary for MATERA -MEDICINA

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
90 12 21	597262300.2	3.0	1.7	-4.6	5.9	1.8	3.1	-7.3	8.8
91 9 9	597262301.6	4.3	1.9	-8.8	1.7	2.0	10.2	-.2	10.7
91 12 2	597262296.2	-1.1	1.4	-14.1	-3.7	1.6	-10.3	-20.6	6.8
92 1 15	597262300.8	3.5	1.9	-9.9	.6	1.8	7.2	-3.1	8.9
92 4 9	597262294.7	-2.6	2.1	-8.2	2.3	1.9	-9.7	-20.0	9.1
92 5 13	597262297.2	-.1	2.2	-2.0	8.4	2.2	13.4	3.1	12.4
92 7 8	597262296.4	-.9	3.5	-18.2	-7.7	3.0	30.4	20.1	17.1
92 11 4	597262297.7	.4	1.9	-10.0	.5	1.7	16.3	6.0	8.4
92 12 2	597262295.4	-1.8	.9	-13.4	-3.0	1.0	22.8	12.5	4.4

Table 7.189

Baseline summary for MATERA -MOJAVE12

yy mm dd	Baseline Length Value	Baseline Length Residual	Baseline Length Sigma	Baseline Transverse Value	Baseline Transverse Residual	Baseline Transverse Sigma	Baseline Vertical Value	Baseline Vertical Residual	Baseline Vertical Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
91 10 22	9255718107.5	-13.7	14.3	-58.9	13.5	7.1	22.6	-10.4	17.5
91 11 26	9255718134.2	13.0	9.3	-76.1	-3.7	7.1	22.6	-10.4	12.8
91 12 17	9255718115.6	-5.6	8.5	-73.6	-1.3	7.2	41.4	8.4	11.7
92 2 18	9255718112.9	-8.4	18.8	-77.7	-5.4	13.1	47.8	14.8	24.2
92 3 3	9255718109.8	-11.4	13.1	-71.6	.7	10.2	40.1	7.1	16.0
92 4 14	9255718126.4	5.2	24.9	-74.6	-2.3	13.0	71.5	38.5	27.9
92 5 26	9255718139.3	18.0	17.7	-79.5	-7.1	10.9	9.2	-23.8	19.9
92 6 9	9255718126.2	5.0	17.0	-82.6	-10.2	11.7	29.4	-3.6	22.6

Table 7.190

Baseline summary for MATERA -NOTO

yy mm dd	Baseline Length Value	Baseline Length Residual	Baseline Length Sigma	Baseline Transverse Value	Baseline Transverse Residual	Baseline Transverse Sigma	Baseline Vertical Value	Baseline Vertical Residual	Baseline Vertical Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
90 12 21	444532981.5	-.4	1.7	17.5	.1	1.7	-24.4	-17.3	9.3
91 3 14	444532967.1	-14.8	12.7	16.2	-1.3	10.8	13.2	20.3	47.8
91 9 9	444532984.4	2.5	1.6	21.0	3.5	1.5	-.7	6.4	7.9
92 1 15	444532978.8	-3.1	2.0	16.7	-.7	2.1	1.4	8.5	9.7
92 4 9	444532981.8	-.1	1.9	12.2	-5.3	2.0	-7.1	.0	9.3

Table 7.191

Baseline summary for MATERA -ONSALA60

yy mm dd	Baseline Length Value	Baseline Length Residual	Baseline Length Sigma	Baseline Transverse Value	Baseline Transverse Residual	Baseline Transverse Sigma	Baseline Vertical Value	Baseline Vertical Residual	Baseline Vertical Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
90 12 21	1886809334.5	8.1	2.7	-23.4	9.5	3.1	-9.5	-13.1	10.6
91 1 7	1886809335.3	8.9	2.6	-21.4	11.5	3.0	-21.6	-25.2	9.7
91 9 9	1886809331.2	4.7	2.4	-30.5	2.4	2.1	-9.2	-12.8	8.2
92 1 15	1886809329.7	3.3	2.9	-32.3	.7	2.2	-27.5	-31.0	8.7
92 4 9	1886809312.9	-13.5	2.8	-29.2	3.7	3.0	5.6	2.0	10.2
92 7 8	1886809321.0	-5.4	6.4	-34.6	-1.7	3.6	24.3	20.7	23.7
92 11 4	1886809330.1	3.7	2.5	-38.5	-5.6	2.3	23.2	19.6	8.8
92 12 2	1886809320.9	-5.6	1.5	-40.3	-7.4	1.9	22.6	19.1	5.3

Table 7.192

Baseline summary for MATERA -RICHMOND

yy mm dd	Baseline Length Value	Baseline Length Residual	Baseline Length Sigma	Baseline Transverse Value	Baseline Transverse Residual	Baseline Transverse Sigma	Baseline Vertical Value	Baseline Vertical Residual	Baseline Vertical Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
91 10 22	8088948180.3	-12.8	12.3	-56.3	8.6	6.6	-68.2	-25.6	18.7
91 11 20	8088948186.1	-6.9	17.7	-70.3	-5.4	8.1	-5.0	37.6	24.2
91 11 26	8088948189.6	-3.4	8.8	-54.2	10.7	6.5	-39.0	3.6	13.5
91 12 17	8088948203.3	10.2	7.9	-64.7	.2	6.0	-48.5	-5.8	12.7
92 2 18	8088948188.7	-4.3	16.9	-73.0	-8.1	10.8	-29.9	12.7	25.7
92 3 3	8088948185.5	-7.5	12.2	-71.3	-6.4	8.4	-41.3	1.3	17.7
92 4 14	8088948213.8	20.7	26.3	-69.9	-5.0	11.8	.0	42.6	33.8
92 5 26	8088948206.6	13.5	16.0	-67.5	-2.6	9.1	-70.0	-27.4	21.6
92 6 9	8088948185.4	-7.6	15.4	-80.2	-15.3	10.1	-29.7	12.9	23.7

Table 7.193

Baseline summary for MATERA -SANTIA12

yy mm dd	Baseline Length Value	Baseline Length Residual	Baseline Length Sigma	Baseline Transverse Value	Baseline Transverse Residual	Baseline Transverse Sigma	Baseline Vertical Value	Baseline Vertical Residual	Baseline Vertical Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
92 7 29	10367162652.0	-6.7	38.3	48.4	14.3	12.3	-120.2	14.6	27.9
92 7 30	10367162684.8	26.2	28.0	23.5	-10.6	9.2	-144.1	-9.3	20.7
92 8 5	10367162662.3	3.7	48.1	42.9	8.9	12.6	-150.1	-15.3	32.4
92 8 6	10367162634.8	-23.8	27.9	32.1	-2.0	9.1	-127.5	7.3	20.4

Table 7.194
Baseline summary for MATERA -TOULOUSE

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
92 5 13	1295572699.0	.0	7.0	-24.9	.0	5.3	-75.8	.0	34.6

Table 7.195
Baseline summary for MATERA -WESTFORD

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
91 10 22	6647032670.9	-27.0	7.9	-45.9	17.6	5.7	-21.5	.3	17.6
91 11 26	6647032698.9	.9	6.1	-57.5	6.0	5.6	-16.9	4.9	12.1
91 12 17	6647032683.6	-14.4	5.6	-58.9	4.6	5.3	-1.2	20.6	11.5
92 2 18	6647032688.9	-9.0	13.2	-65.2	-1.8	9.6	-6.7	15.1	24.8
92 3 3	6647032673.7	-24.3	9.0	-60.6	2.9	7.4	-11.5	10.3	16.0
92 4 14	6647032692.0	-5.9	14.7	-61.5	1.9	9.5	12.1	33.9	27.1
92 5 26	6647032707.6	9.7	12.4	-56.0	7.5	8.0	-40.5	-18.6	20.5
92 6 9	6647032683.0	-14.9	10.7	-65.1	-1.6	8.7	-.9	20.9	21.5
92 9 29	6647032725.5	27.5	8.7	-57.0	6.5	7.4	-54.0	-32.1	17.4
92 10 13	6647032712.5	14.6	7.5	-70.4	-7.0	6.6	-17.9	3.9	14.2
92 10 27	6647032704.6	6.7	6.9	-69.0	-5.5	7.0	-23.2	-1.4	14.6
92 11 17	6647032705.5	7.6	5.9	-80.5	-17.1	6.5	-26.9	-5.1	12.6
92 12 15	6647032708.0	10.1	5.5	-81.6	-18.1	6.0	-44.5	-22.7	11.3

Table 7.196
Baseline summary for MATERA -WETTZELL

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
90 12 21	990053381.7	5.7	1.9	-14.3	6.6	2.0	2.7	-6.1	9.2
91 1 7	990053380.4	4.4	1.9	-11.2	9.7	2.0	-1.1	-9.9	8.6
91 9 9	990053380.3	4.3	1.6	-17.8	3.2	1.5	.3	-8.6	7.1
91 10 22	990053378.6	2.6	3.0	-16.1	4.9	2.7	5.2	-3.6	13.4
91 11 20	990053376.8	.8	5.2	-19.7	1.3	3.4	-2.3	-11.1	19.8
91 11 26	990053373.0	-3.0	2.2	-20.9	.1	2.0	19.3	10.5	8.9
91 12 2	990053373.0	-3.0	1.2	-23.1	-2.2	1.6	-4.6	-13.4	5.4
91 12 17	990053375.5	-.5	2.3	-16.2	4.7	2.3	6.1	-2.8	9.1
92 1 15	990053375.8	-.2	2.0	-21.0	-.1	1.7	.6	-8.2	7.5
92 3 3	990053375.0	-1.0	3.7	-18.0	3.0	3.2	-17.4	-26.2	13.6
92 5 26	990053387.8	11.8	5.4	-23.1	-2.2	4.5	-3.6	-12.4	19.2
92 6 9	990053375.5	-.6	4.0	-21.6	-.6	3.7	11.6	2.8	17.3
92 9 25	990053377.3	1.3	2.0	-23.9	-3.0	1.8	3.2	-5.6	7.8
92 9 29	990053385.3	9.3	3.5	-6.7	14.3	2.9	6.0	-2.9	13.6
92 10 13	990053374.8	-1.2	2.8	-23.5	-2.6	2.3	27.0	18.2	11.1
92 10 16	990053382.0	6.0	2.5	-25.3	-4.3	2.2	6.9	-1.9	9.8
92 10 23	990053372.1	-3.9	2.4	-23.4	-2.5	2.2	14.9	6.0	9.9
92 10 27	990053374.1	-1.9	2.8	-21.3	-.4	2.3	19.9	11.1	10.4
92 10 30	990053376.1	.1	2.5	-22.2	-1.2	2.1	13.4	4.6	9.3
92 11 4	990053379.3	3.3	1.9	-21.0	.0	1.8	31.6	22.8	8.0
92 11 17	990053379.1	3.1	2.3	-32.7	-11.8	2.1	23.9	15.1	8.8
92 12 2	990053371.4	-4.6	1.1	-23.9	-3.0	1.2	16.9	8.1	4.5
92 12 15	990053372.0	-4.0	2.2	-22.7	-1.7	1.9	2.8	-6.0	8.1

Table 7.197
Baseline summary for MEDICINA-TOULOUSE

yy mm dd	Baseline Length Value mm	Baseline Length Residual mm	Baseline Length Sigma mm	Baseline Transverse Value mm	Baseline Transverse Residual mm	Baseline Transverse Sigma mm	Baseline Vertical Value mm	Baseline Vertical Residual mm	Baseline Vertical Sigma mm
92 5 13	820509778.4	.0	6.6	-18.3	.0	4.8	-89.2	.0	34.8

Table 7.198

Baseline summary for MOJAVE12-TOULOUSE

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 5 12	8484962277.5	.0	20.6	-53.2	.0	10.1	-50.7	.0	26.8

Table 7.199

Baseline summary for MOJAVE12-YLOW7296

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
91 7 1	2995740032.2	7.8	3.6	1.0	-2.1	3.7	-64.0	9.4	12.9
91 7 13	2995740020.3	-4.0	7.8	5.5	2.4	5.4	-56.8	16.6	23.3
91 7 14	2995740022.9	-1.4	7.0	1.5	-1.5	5.5	-53.8	19.6	22.5
91 7 18	2995740030.4	6.1	5.9	7.3	4.2	4.4	-70.4	3.0	18.9
91 7 19	2995740006.5	-17.8	5.5	5.8	2.7	4.3	-50.8	22.7	17.4
91 7 23	2995740012.0	-12.3	7.0	-4.0	-7.0	4.7	-45.6	27.8	22.8
91 7 24	2995740025.0	.7	6.6	-.7	-3.8	5.1	-72.9	.6	21.7
91 8 4	2995740026.4	2.0	3.3	8.9	5.8	3.6	-87.8	-14.3	11.0
92 5 21	2995740020.6	-3.7	5.5	.6	-2.5	3.2	-78.9	-5.4	15.9
92 6 17	2995740025.4	1.0	3.7	3.2	.1	3.3	-86.9	-13.5	10.4

Table 7.200

Baseline summary for MV2ONSLA-ONSALA60

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 5 1	71590.9	.0	1.1	-.3	.0	.5	.2	.0	3.9

Table 7.201

Baseline summary for NL-VLBA -OV-VLBA

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 8 29	2328472881.9	.0	2.4	-29.4	.0	2.1	27.6	.0	9.4

Table 7.202

Baseline summary for NL-VLBA -PIETOWN

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 8 29	1663873396.9	.0	2.2	-15.6	.0	2.0	62.5	.0	9.0

Table 7.203

Baseline summary for NRAO85 1-NRAO85 3

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 10 31	1500006.5	.0	1.1	10.9	.0	1.3	-4.4	.0	4.8

Table 7.204

Baseline summary for NRAO85 1-WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 10 31	843735636.3	.0	1.4	-11.0	.0	1.6	-22.1	.0	5.3

Table 7.205
Baseline summary for NRAO85 3-SANTIA12

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 1 22	7465717255.1	36.8	40.1	-54.9	23.8	7.0	-94.1	-30.0	46.8
92 7 29	7465717198.2	-20.1	28.5	-78.8	-.1	6.4	-58.5	5.5	40.4
92 7 30	7465717226.7	8.5	20.4	-82.1	-3.4	5.4	-63.3	.7	30.1
92 8 5	7465717208.4	-9.8	31.8	-83.8	-5.2	6.4	-99.8	-35.8	39.0
92 8 6	7465717214.5	-3.7	20.3	-84.7	-6.1	5.0	-36.8	27.3	28.7

Table 7.206
Baseline summary for NRAO85 3-WETTZELL

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
91 11 20	6725781943.7	-16.0	12.2	-24.3	9.5	6.8	-8.5	-38.1	22.8
92 2 12	6725781941.9	-17.7	11.8	-33.6	.2	8.7	35.7	6.1	20.1
92 9 18	6725781967.5	7.8	5.1	-30.3	3.5	4.3	39.0	9.4	10.6
92 9 25	6725781956.7	-2.9	10.5	-36.2	-2.4	6.3	20.1	-9.6	18.2
92 10 16	6725781953.0	-6.6	7.1	-34.5	-.7	5.2	8.0	-21.7	14.5
92 10 23	6725781962.6	3.0	6.5	-37.2	-3.4	5.1	13.9	-15.8	13.3
92 10 30	6725781963.0	3.4	7.5	-35.0	-1.1	5.9	42.5	12.9	15.3
92 11 6	6725781960.0	.4	5.7	-35.9	-2.1	6.3	55.1	25.5	12.3
92 12 8	6725781958.4	-1.2	4.7	-36.3	-2.5	5.0	26.6	-3.0	10.5

Table 7.207
Baseline summary for NRAO 140-NRAO85 1

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 10 31	696466.7	.0	1.0	-.6	.0	1.5	-.4	.0	5.0

Table 7.208
Baseline summary for NRAO 140-NRAO85 3

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
91 10 26	1128930.6	1.6	1.7	19.2	3.7	1.5	-13.9	-6.8	8.3
92 10 31	1128928.0	-1.0	1.4	13.3	-2.3	1.2	-4.7	2.3	4.8

Table 7.209
Baseline summary for ONSALA60-TRYSILNO

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 1 14	449292372.3	.0	2.3	-6.2	.0	2.1	-11.4	.0	18.7

Table 7.210
Baseline summary for OV-VLBA -PIETOWN

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 8 29	973118250.3	.0	2.2	-3.2	.0	1.9	34.8	.0	10.0

Table 7.211
Baseline summary for RICHMOND-SANTIA12

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
92 7 9	6292951546.0	2.9	12.0	-57.1	-10.5	5.4	-30.9	-49.3	25.3
92 8 19	6292951541.2	-1.9	9.6	-36.4	10.3	5.3	56.9	38.5	22.4

Table 7.212
Baseline summary for RICHMOND-YLOW7296

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
91 8 4	4696400726.9	-.4	5.8	-36.8	9.3	4.7	-45.9	3.8	14.0
92 5 21	4696400725.6	-1.8	11.4	-53.9	-7.8	4.3	-46.4	3.3	26.8
92 6 17	4696400729.9	2.6	10.0	-46.3	-.2	5.7	-62.6	-12.8	23.0

Table 7.213
Baseline summary for SANTIA12-SESHAN25

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
91 12 18	12693859251.0	31.9	59.0	-69.5	6.1	14.9	-129.8	22.7	13.1
91 12 19	12693859214.4	-4.7	65.2	-50.8	24.8	15.3	-151.8	.8	14.4
92 7 16	12693859160.8	-58.2	64.1	-92.9	-17.3	17.4	-175.4	-22.9	18.5
92 7 22	12693859223.1	4.0	98.1	-99.1	-23.5	18.5	-170.5	-17.9	16.6
92 7 23	12693859290.5	71.4	112.2	-77.7	-2.1	17.4	-154.0	-1.4	17.9

Table 7.214
Baseline summary for SANTIA12-WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
91 11 22	7791503447.0	3.7	20.5	-36.5	24.7	8.3	58.7	9.7	32.7
91 12 18	7791503455.0	11.7	28.2	-51.9	9.3	9.3	58.0	9.0	41.9
91 12 19	7791503436.1	-7.2	20.8	-38.8	22.5	7.7	41.6	-7.4	30.7
92 7 9	7791503431.0	-12.2	12.6	-72.6	-11.4	6.1	95.0	46.0	22.8
92 7 22	7791503462.5	19.2	19.4	-75.6	-14.3	6.5	36.0	-13.0	28.3
92 7 23	7791503469.6	26.3	20.3	-62.5	-1.2	6.6	19.6	-29.4	28.8
92 8 19	7791503436.1	-7.2	10.5	-70.8	-9.5	6.0	-14.9	-63.8	19.5
92 10 21	7791503443.5	.2	16.2	-61.0	.2	6.4	87.4	38.4	26.2
92 12 3	7791503453.5	10.2	21.9	-58.3	3.0	5.7	109.2	60.3	29.5

Table 7.215
Baseline summary for SANTIA12-WETTZELL

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
91 11 22	10460704392.1	48.5	30.1	30.9	-2.2	12.8	98.1	-34.5	24.5
91 12 18	10460704373.5	29.9	40.6	23.7	-9.4	11.8	116.2	-16.4	30.2
91 12 19	10460704335.4	-8.2	30.0	32.2	-.9	10.4	113.6	-19.0	24.0
92 7 9	10460704349.5	5.8	20.1	19.9	-13.3	10.1	106.6	-26.0	20.1
92 7 22	10460704307.5	-36.1	28.5	36.3	3.2	9.6	166.5	33.9	22.2
92 7 23	10460704360.8	17.1	27.9	30.4	-2.7	9.5	128.4	-4.2	21.8
92 8 19	10460704275.5	-68.1	18.5	30.7	-2.5	9.5	132.1	-.5	17.9
92 10 21	10460704372.5	28.8	23.8	39.2	6.0	9.2	153.2	20.6	18.8
92 12 3	10460704413.8	70.2	27.5	47.4	14.2	9.1	155.7	23.1	20.3

Table 7.216
Baseline summary for SESHAN25-WESTFORD

yy mm dd	Baseline Length Value mm	Residual mm	Sigma mm	Baseline Transverse Value mm	Residual mm	Sigma mm	Baseline Vertical Value mm	Residual mm	Sigma mm
91 12 18	10157033687.2	-2.1	33.8	-82.2	13.2	10.1	-90.7	3.2	28.1
91 12 19	10157033667.2	-22.1	47.4	-117.2	-21.8	12.1	-77.8	16.1	37.2
92 7 22	10157033707.3	18.0	80.5	-97.9	-2.5	13.7	-142.5	-48.6	53.6
92 7 23	10157033763.4	74.2	91.7	-89.4	6.0	13.4	-89.5	4.4	63.2

Table 7.217
Baseline summary for TOULOUSE-WESTFORD

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
92 5 12	5549471935.2	.0	13.0	-35.8	.0	7.3	-28.3	.0	28.7

Table 7.218
Baseline summary for TOULOUSE-WETTZELL

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
92 5 11	1071524826.8	.9	7.4	18.5	26.5	14.2	83.5	55.8	56.4
92 5 12	1071524825.6	-.3	4.6	-9.7	-1.7	3.6	16.1	-11.6	25.7

Table 7.219
Baseline summary for TRYSILNO-WESTFORD

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
91 11 9	5480563561.1	25.3	12.5	1.8	7.3	6.9	-54.3	-8.2	27.1
91 11 16	5480563545.5	9.7	8.1	-6.9	-1.3	5.9	-51.3	-5.2	18.8
91 12 10	5480563542.4	6.6	10.5	-5.4	.2	6.0	-60.2	-14.1	24.3
91 12 15	5480563534.3	-1.6	7.6	-10.5	-5.0	5.2	-65.8	-19.8	17.6
91 12 21	5480563532.9	-2.9	9.4	-6.4	-.8	6.2	-77.4	-31.3	21.9
91 12 31	5480563517.3	-18.5	12.9	-12.7	-7.2	7.3	-14.0	32.1	30.3
92 1 7	5480563532.2	-3.6	10.2	-1.6	4.0	5.8	-38.0	8.1	23.3
92 1 14	5480563538.4	2.5	8.5	-1.6	4.0	5.3	-26.5	19.6	19.0
92 2 8	5480563535.8	.0	15.4	-7.3	-1.8	9.1	-22.0	24.1	37.9
92 2 22	5480563513.6	-22.3	9.2	-5.5	.0	5.8	-75.6	-29.5	21.3
92 3 14	5480563557.8	21.9	12.6	-.2	5.4	6.8	48.0	94.1	28.1
92 3 21	5480563525.6	-10.2	11.9	-10.6	-5.1	6.1	-42.9	3.1	26.5

Table 7.220
Baseline summary for TRYSILNO-WETTZELL

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
91 11 9	1364743198.0	5.1	4.6	-8.2	3.7	3.4	-6.6	-7.8	27.0
91 11 16	1364743194.0	1.1	3.1	-9.5	2.4	2.4	10.3	9.1	17.7
91 12 10	1364743195.4	2.5	4.1	-11.5	.4	3.0	3.3	2.0	23.8
91 12 15	1364743193.8	.9	2.8	-9.5	2.4	2.1	-5.5	-6.7	16.4
91 12 21	1364743188.2	-4.7	3.8	-9.1	2.8	2.9	-27.2	-28.4	21.1
92 1 7	1364743190.0	-2.9	4.0	-12.2	-.3	3.1	5.2	3.9	23.5
92 1 14	1364743191.3	-1.6	3.0	-11.1	.8	2.4	16.8	15.6	18.5
92 2 22	1364743190.4	-2.5	3.5	-13.3	-1.4	2.5	-26.8	-28.0	20.5
92 3 14	1364743199.1	6.2	5.0	-26.9	-15.0	3.5	82.9	81.7	28.1
92 3 21	1364743193.6	.7	4.3	-14.7	-2.9	2.9	-14.4	-15.6	26.5

Table 7.221
Baseline summary for WESTFORD-YLOW7296

yy mm dd	Baseline Length			Baseline Transverse			Baseline Vertical		
	Value	Residual	Sigma	Value	Residual	Sigma	Value	Residual	Sigma
	mm	mm	mm	mm	mm	mm	mm	mm	mm
91 7 1	3506849220.2	-.6	3.9	-16.1	5.4	4.0	-32.8	-9.9	11.5
91 7 13	3506849225.8	5.1	8.8	-16.6	4.9	5.4	12.5	35.4	23.4
91 7 14	3506849222.8	2.1	8.6	-21.4	.1	5.4	-47.6	-24.7	22.2
91 7 18	3506849217.9	-2.8	7.1	-19.1	2.4	4.0	-61.6	-38.7	18.9
91 7 19	3506849209.0	-11.7	6.6	-27.6	-6.1	4.1	10.1	33.0	17.0
91 7 23	3506849217.9	-2.9	8.4	-26.4	-4.9	5.0	-7.3	15.6	23.5
91 7 24	3506849218.1	-2.6	7.8	-14.3	7.2	5.6	5.4	28.3	22.4
91 8 4	3506849220.2	-.5	4.1	-14.4	7.1	3.9	-23.1	-.2	11.7
92 5 16	3506849214.3	-6.4	4.5	-24.3	-2.8	4.0	-5.4	17.5	15.5
92 5 17	3506849218.8	-1.9	5.0	-22.8	-1.3	4.7	7.5	30.4	16.5
92 5 21	3506849220.3	-.5	5.3	-29.7	-8.2	3.7	-46.2	-23.3	16.1
92 6 17	3506849229.1	8.4	4.1	-20.5	1.0	3.7	-29.2	-6.3	11.6
92 6 20	3506849227.8	7.1	3.5	-16.4	5.1	3.5	-30.4	-7.4	11.8
92 6 21	3506849215.6	-5.1	4.1	-29.1	-7.6	4.1	-26.8	-3.9	12.8

8.0 Site Coordinates by Session from GLB908

Table 8.0 gives the *a priori* positions of the sites used to define the origin for each session.

Tables 8.1 presents, for each station and mobile site, the geocentric, Cartesian site positions in individual sessions in the VLBI reference frame. The user is reminded that the position at a particular epoch is relative to the (arbitrary) reference station for that session and that different observing sessions having unrelated observing networks will have different reference stations. Ninety four of the 95 fixed stations and mobile sites appearing in Tables 1.1 and 1.2 are tabulated. HAYSTACK does not appear as it is always the reference station in each session in which it participates.

Table 8.2 presents, for each session, the geocentric, Cartesian components for each fixed station or mobile site, their 1-σ standard statistical errors (unscaled), their adjustments, their total adjusted value, and their correlations in lower triangular form. These tables are only available in the machine-readable version.

9.0 Earth Rotation and Nutation from GLB907

Figure 9.1 shows the pole in arcseconds over the periods 1979 through 1992, inclusive. The vertical axis is time. One-σ standard statistical errors of the pole components are of the order of 0.1 to 3 milliarcseconds. Error bars have been omitted from the figure for clarity. Figure 9.2 shows the variation in the value of UT1 - TAI in seconds of time, with a linear term removed, for the period from 1979 to 1992, inclusive. This term was determined by least squares to be a slope of approximately 0.606 ms/yr. Formal errors of the points are of the order of 10 to 100 μs. Once again, error bars have been omitted for clarity.

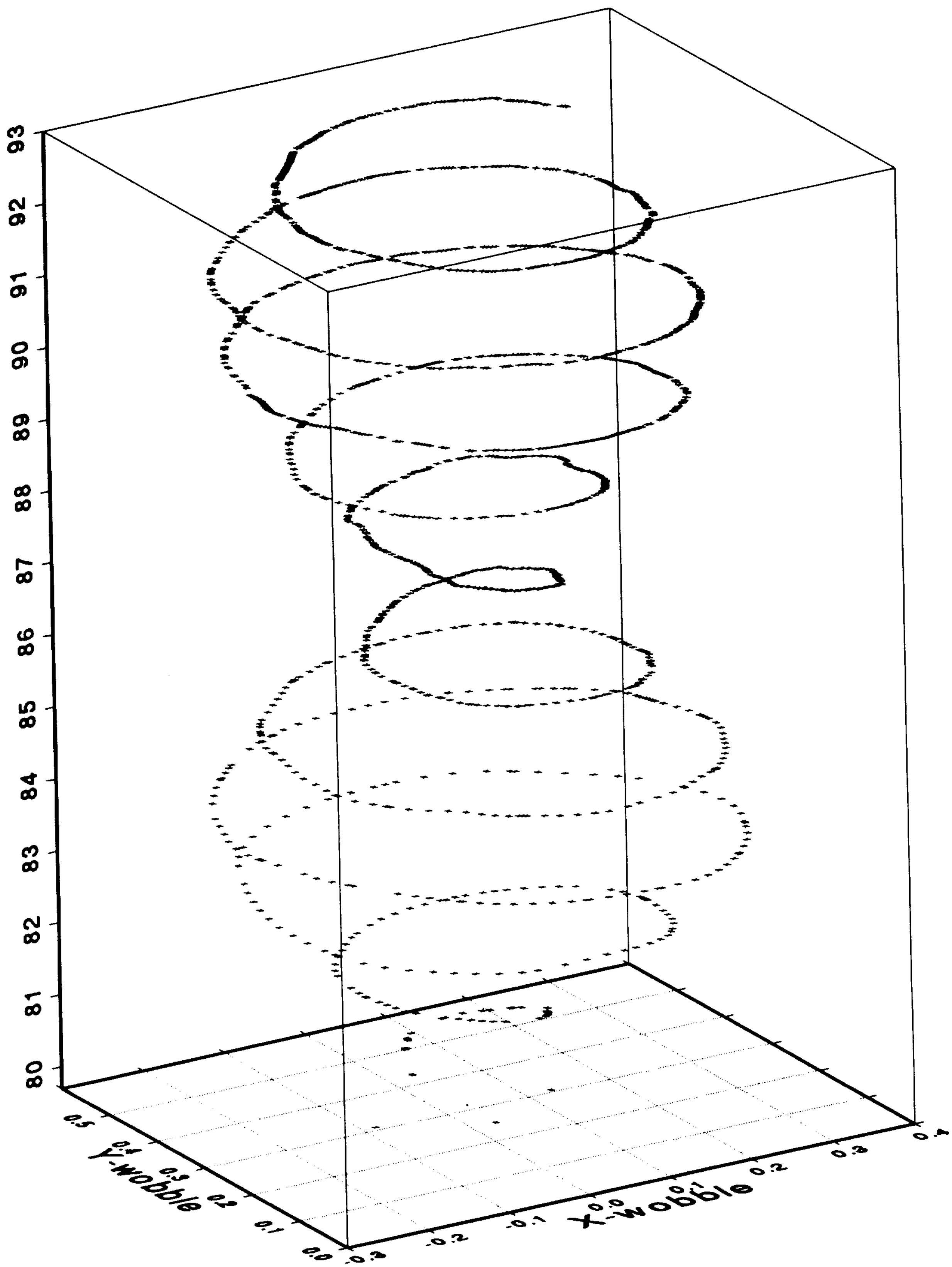
Figure 9.3 shows the nutation offsets $\Delta\epsilon$ and $(\sin\epsilon)^*\Delta\psi$ from the 1980 IAU nutation series, estimated in solution GLB907 for the period 1979 to 1991, inclusive. The longitude values have been multiplied by the sine of the obliquity of the ecliptic for plotting only. The values of the longitude and obliquity are in units of arcseconds with 1-σ standard statistical errors of the order of 0.3 to 3 milliarcseconds in longitude and 0.1 to 1.5 millliarcseconds in obliquity. As with the Earth orientation parameters, error bars have been omitted for clarity.

Numerous sessions, typically mobile sessions and single baseline sessions, are unsuitable for the determination of Earth orientation and nutation parameters. Results from these sessions, which have very large uncertainties in one or more component, are not plotted even though the sessions were actually included in solution GLB907. The single baseline POLARIS sessions however, were retained as omitting these would leave a large gap in the early VLBI results. The pole position, UT1 - TAI, and nutation plots include all other relevant data (fixed station CDP, POLARIS, IRIS, and NAVNET).

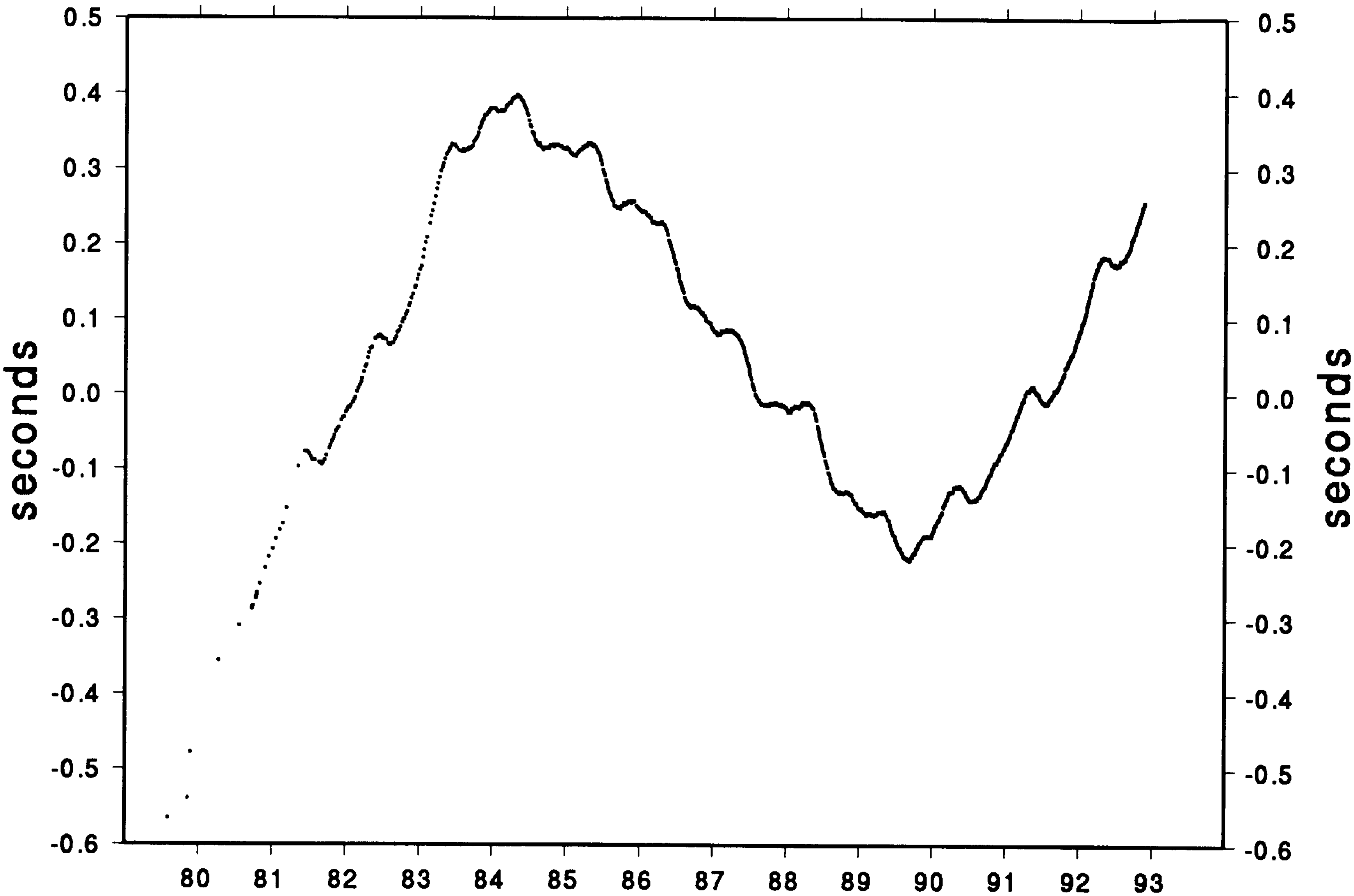
The actual data plotted in 9.1 through 9.3 are available in the machine-readable version in a modified IERS format. In this format UT1 - UTC is included, rather than UT1 - TAI. The tabulated values in machine-readable form include the errors, the weighted rms delay in ps for the corresponding session, and the correlations among the earth orientation and nutation parameters.

Rates for the Earth orientation and nutation parameters were not estimated in the solutions for this report.

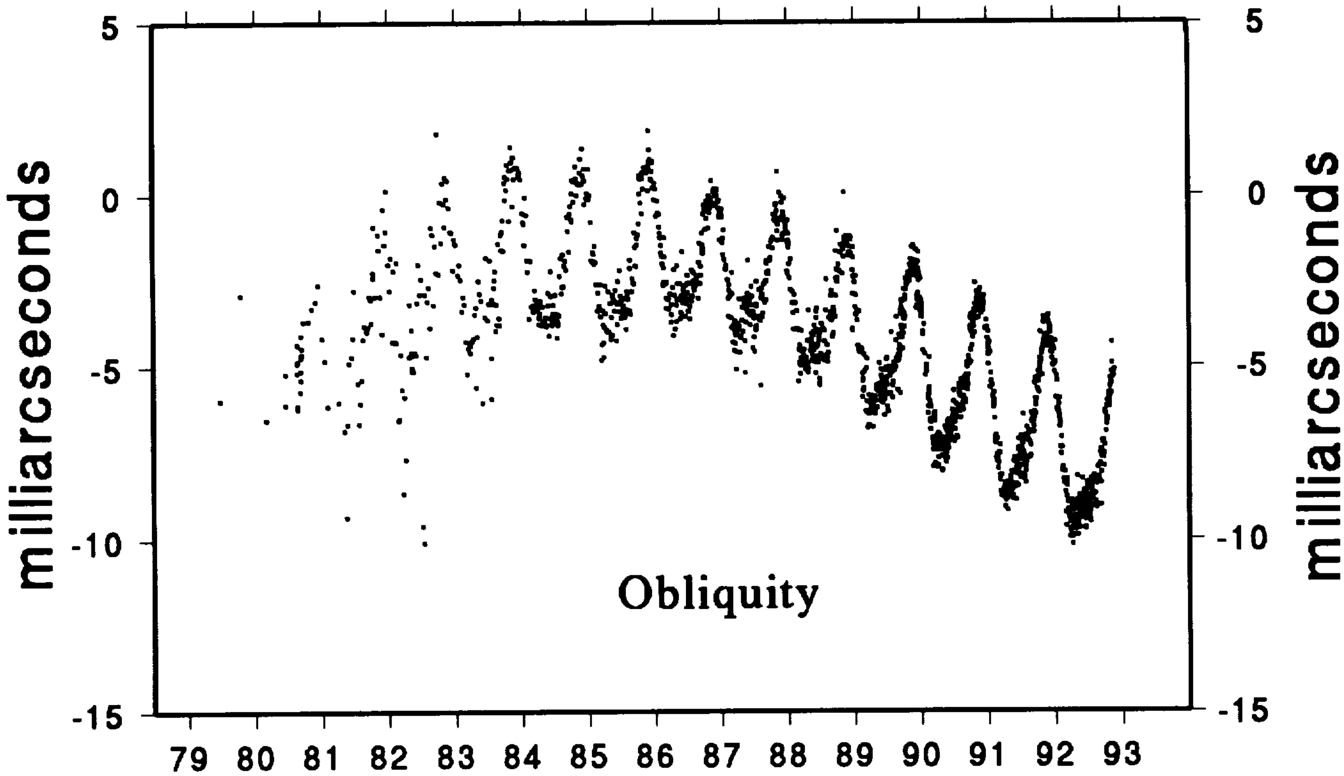
9.1 Polar Motion 1979-92

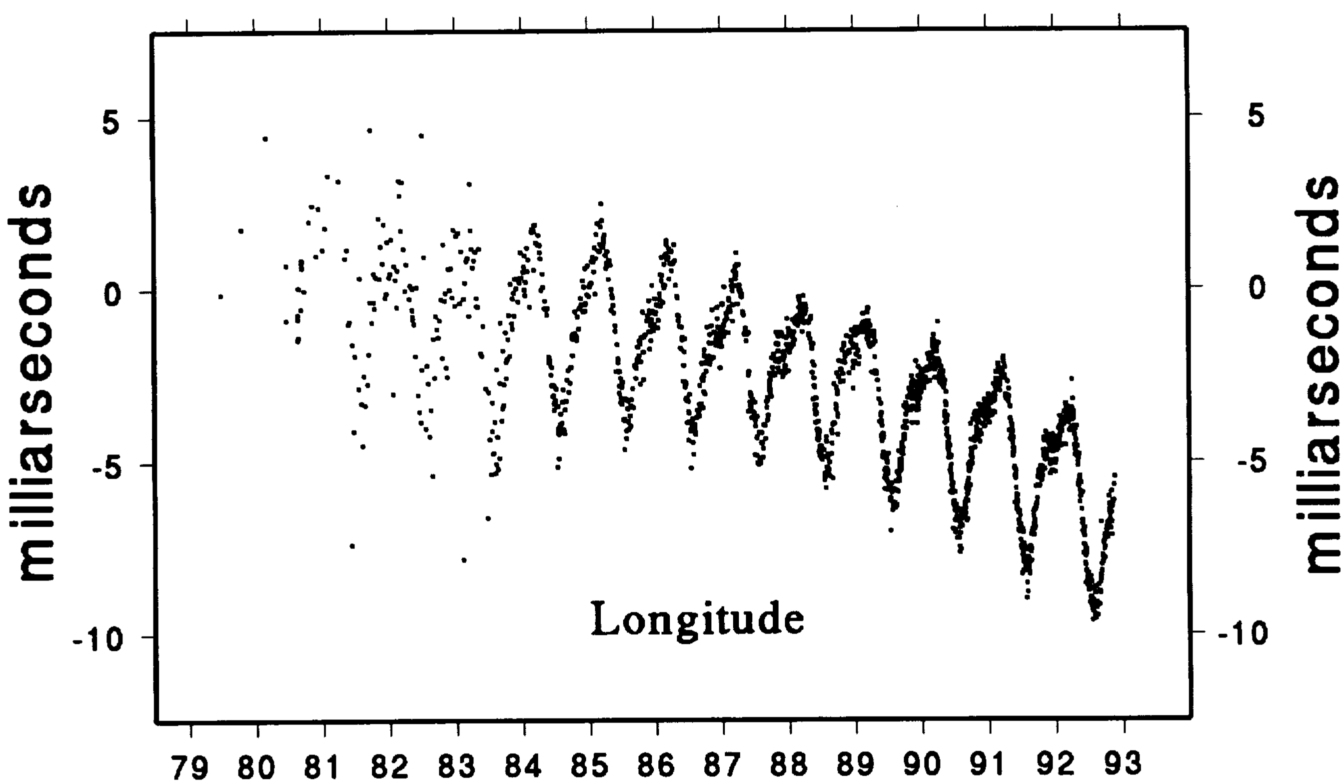


9.2 Variation in UT1 - TAI



9.3 VLBI Nutation Offsets to IAU 1980





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C. Ma, J.W. Ryan, and D. S. Caprette

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D. S. Caprette, Hughes STX, 4400 Forbes Blvd., Lanham, Maryland

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13. ABSTRACT *(Maximum 200 words)*

The Goddard VLBI group reports the results of analyzing Mark III data sets acquired from 110 fixed and mobile observing sites through the end of 1992 and available to the Space Geodesy Program. Two large solutions were used to obtain site positions, site velocities, baseline evolution for 474 baselines, Earth rotation parameters, nutation offsets, and radio source positions. Site velocities are presented in both geocentric Cartesian and topocentric coordinates. Baseline evolution is plotted for the 89 baselines that were observed in 1992 and positions at 1988.0 are presented for all fixed stations and mobile sites. Positions are also presented for quasar radio sources used in the solutions.

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