

Australian Regional GPS Network (ARGN) Coordinate Time Series

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For questions regarding these solutions please email geodesy@auslig.gov.au



Figure 1: Geoscience Australia's Australian Regional GPS Network (ARGN) and International GPS Service (IGS) Stations used in the time series computation.

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1 General Notes

- I. This combined ARGV GPS solution has been aligned to International Terrestrial Reference Frame 2000 (ITRF2000) using the latest available International GPS Service (IGS) combined cumulative solution. The reference epoch for all station coordinates is 1 Jan 2000.
- II. Error bars are 1 sigma. All variance-covariances have been re-scaled to better reflect actual precision.
- III. Each solution 'circle' represents a weekly combined solution i.e. seven daily solutions. Outliers are not shown on plots.
- IV. The tectonic velocities of some stations with less than 6 months of solutions are not estimated and are constrained to 0.0 ± 0.1 mm/yr.
- V. For the purposes of these time series GPS stations in close proximity have NOT been constrained by local terrestrial tie information or had their tectonic velocities constrained together.
- VI. Plots marked 'GPS-GLONASS receiver' were derived using only the GPS data from a GPS-GLONASS capable receiver.
- VII. Please note the scale difference between the vertical and horizontal components.

2 Site Specific Notes

- I. Due to an ice build up on the Casey (CAS1) GPS antenna dome almost all data from 1997 has been excluded.
- II. Cocos Island (COCO) experienced a magnitude 7.8 Earth Quake on June 16, 2000. The timing of this Earth Quake corresponds to a horizontal (several cm) offset in the time series, new velocities have not yet been estimated to reflect this apparent discontinuity (please treat the station coordinates and velocities with caution).
- III. The Mount Stromlo, Canberra station (STR1) has been excluded upto mid-1999 due to a antenna malfunction. Data from this site is unreliable for this period.
- IV. The Mawson station (MAW1) has been excluded, for the period 2001 to mid-2001, due to a data related issue with the receiver.
- V. The Darwin station (DARW) antenna was replaced on the 19 Oct 2001. After this change analysis detected an apparent East and North shift in the coordinates. The antenna was replaced again on the 14 Dec 2001 under suspicion of antenna malfunction.
- VI. The Burnie station (BUR1) suffered a degenerative antenna malfunction at around 25 December 2001. The processing results are most likely contaminated until the antenna was replaced on the 12 March 2002.

3 GPS Time Series, Site Velocities, Australia

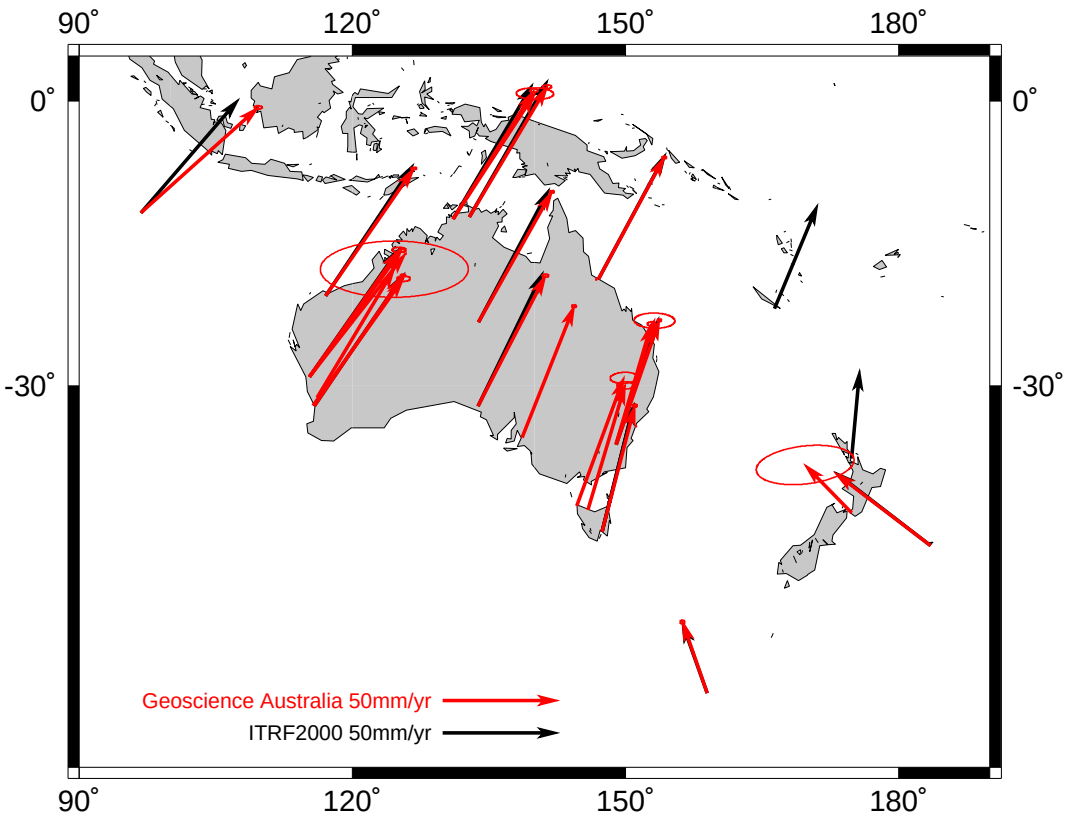


Figure 2: Geoscience Australia site velocities (and 95% error ellipses) computed from ARGN GPS are shown in red. International Terrestrial Reference Frame (ITRF2000) site velocities are shown in black for comparison.

4 GPS Time Series, Site Velocities, Antarctica

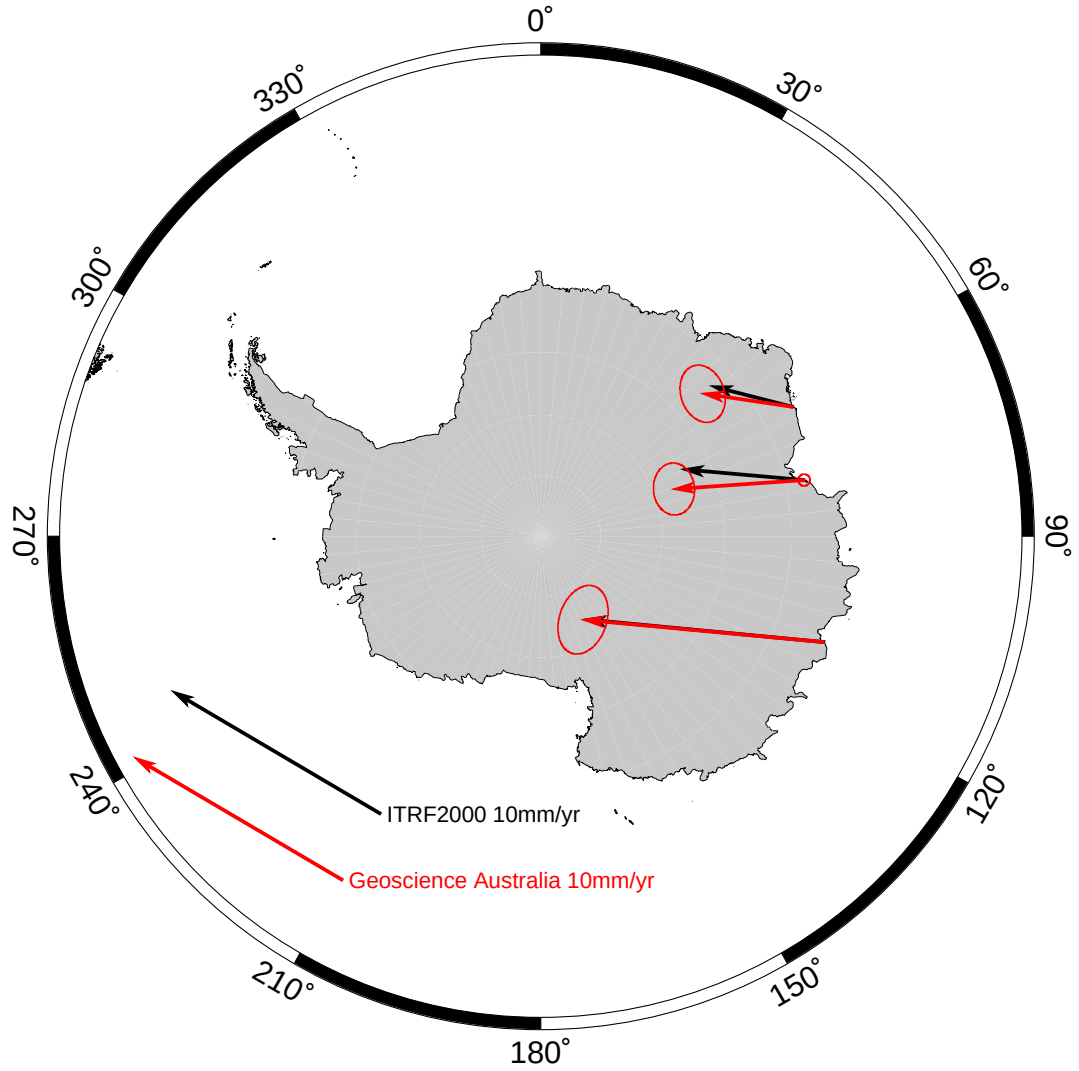
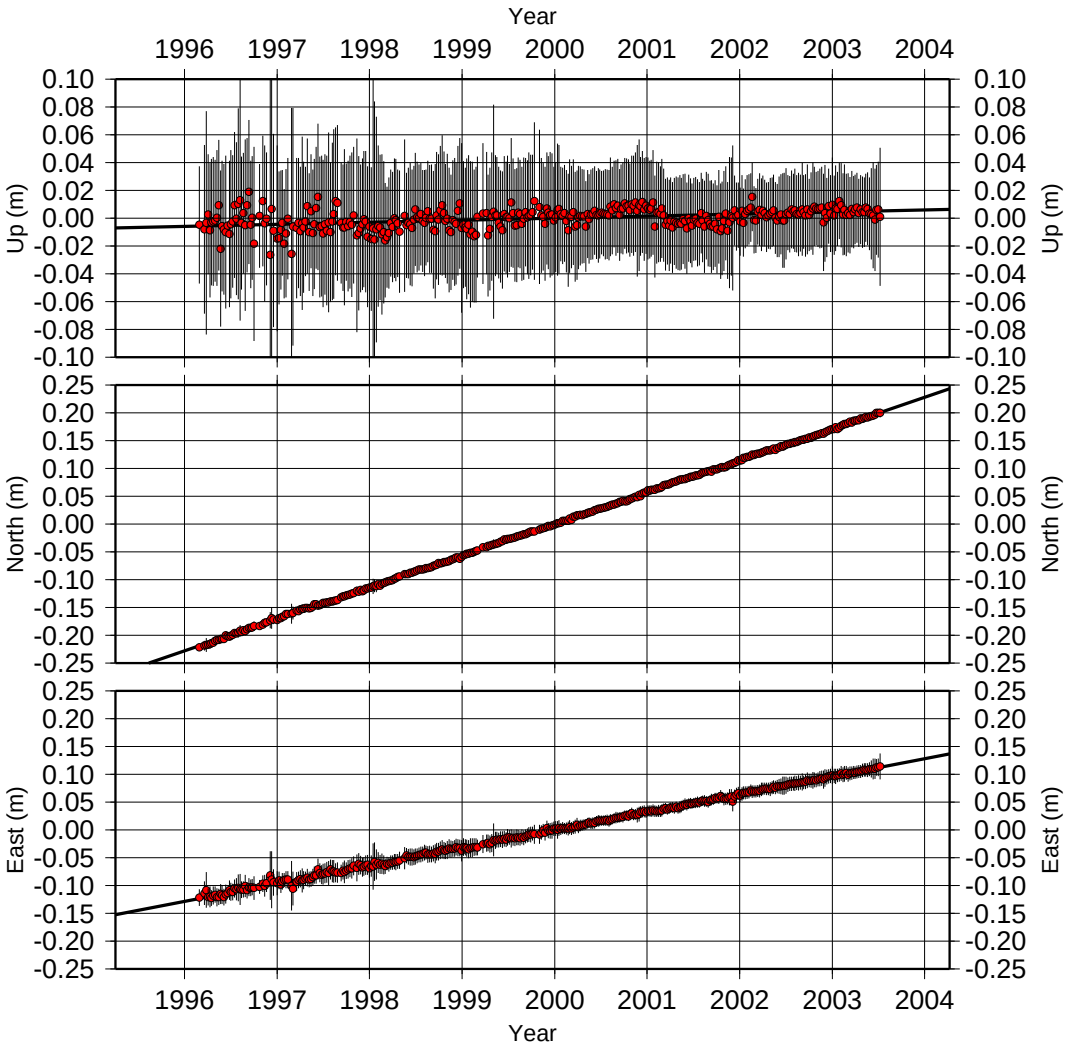


Figure 3: Geoscience Australia site velocities (and 95% error ellipses) computed from ARGN GPS are shown in red. International Terrestrial Reference Frame (ITRF2000) site velocities are shown in black for comparison.

5 RAW GPS Time Series

5.1 Alice Springs, Australia

ALIC_50137M001 AT 2000:01:01

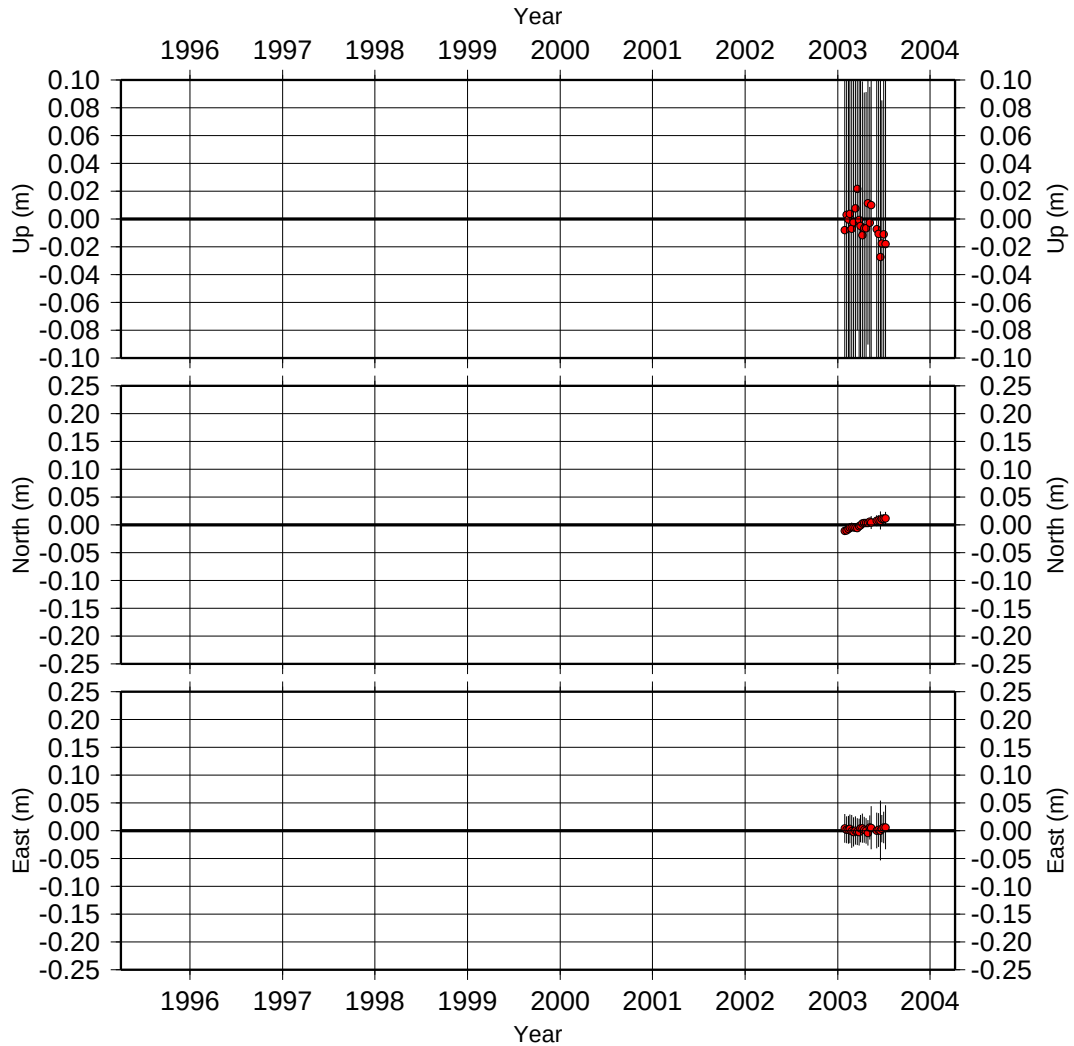


#SOLUTIONS=367 ALIC_50137M001 AT 2000:01:01

POS XYZ	-4052051.9624	4212836.1007	-2545105.6837	M
+/- ENU	0.0015	0.0013	0.0023	M
RMS ENU	0.0027	0.0015	0.0062	M
VEL XYZ	-0.0399	-0.0047	0.0516	M/YR
VEL ENU	0.0321	0.0570	0.0015	M/YR
+/- ENU	0.0004	0.0002	0.0010	M/YR

5.2 Brisbane, Australia

SUNM_50143M001 AT 2000:01:01

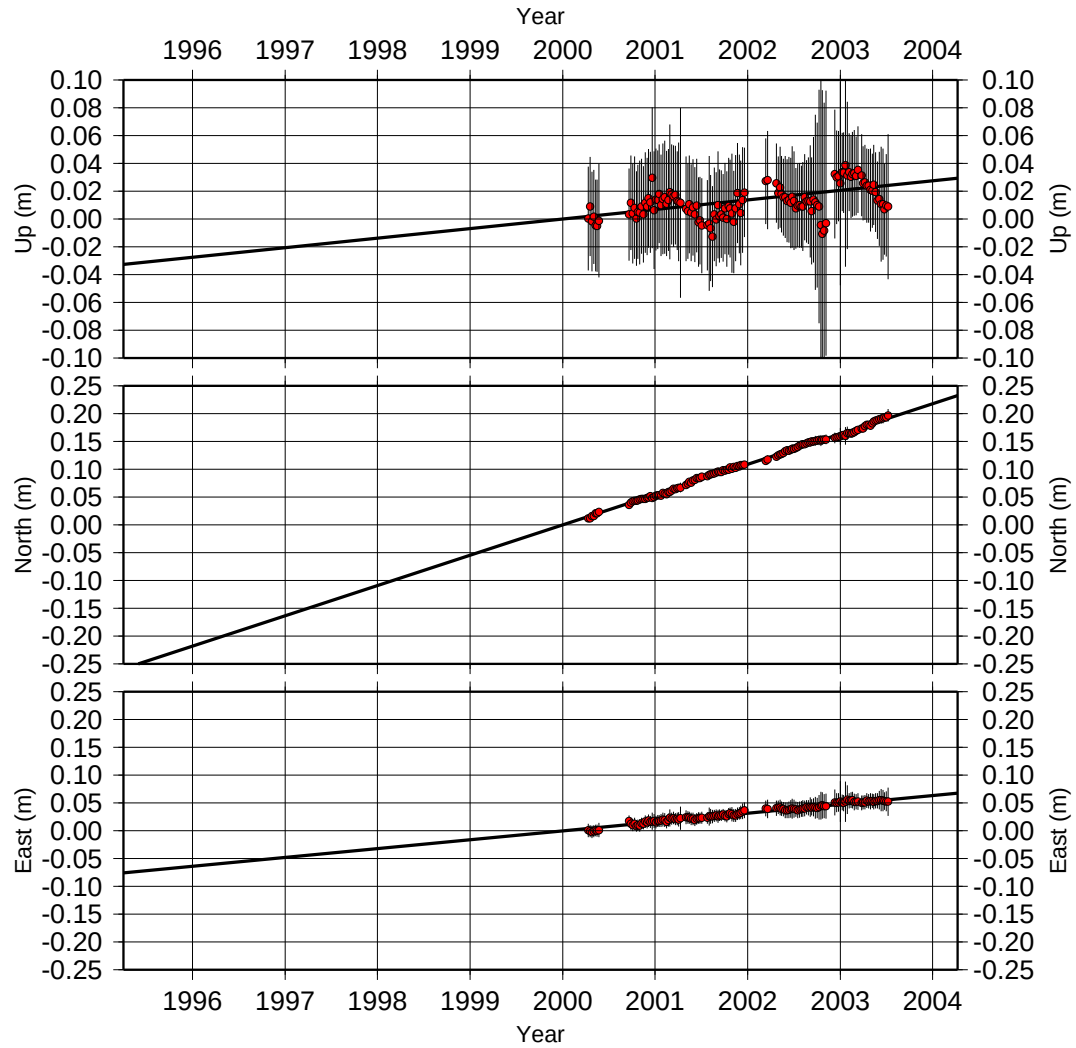


#SOLUTIONS=22 SUNM_50143M001 AT 2000:01:01

POS XYZ	-5046793.9229	2567554.6783	-2926027.9058	M
+/- ENU	0.0058	0.0021	0.0243	M
RMS ENU	0.0034	0.0069	0.0113	M
VEL XYZ	-0.0000	0.0000	0.0000	M/YR
VEL ENU	0.0000	0.0000	-0.0000	M/YR
+/- ENU	0.0001	0.0001	0.0001	M/YR

5.3 Burnie, Tasmania, Australia

BUR1_50144M001 AT 2000:01:01

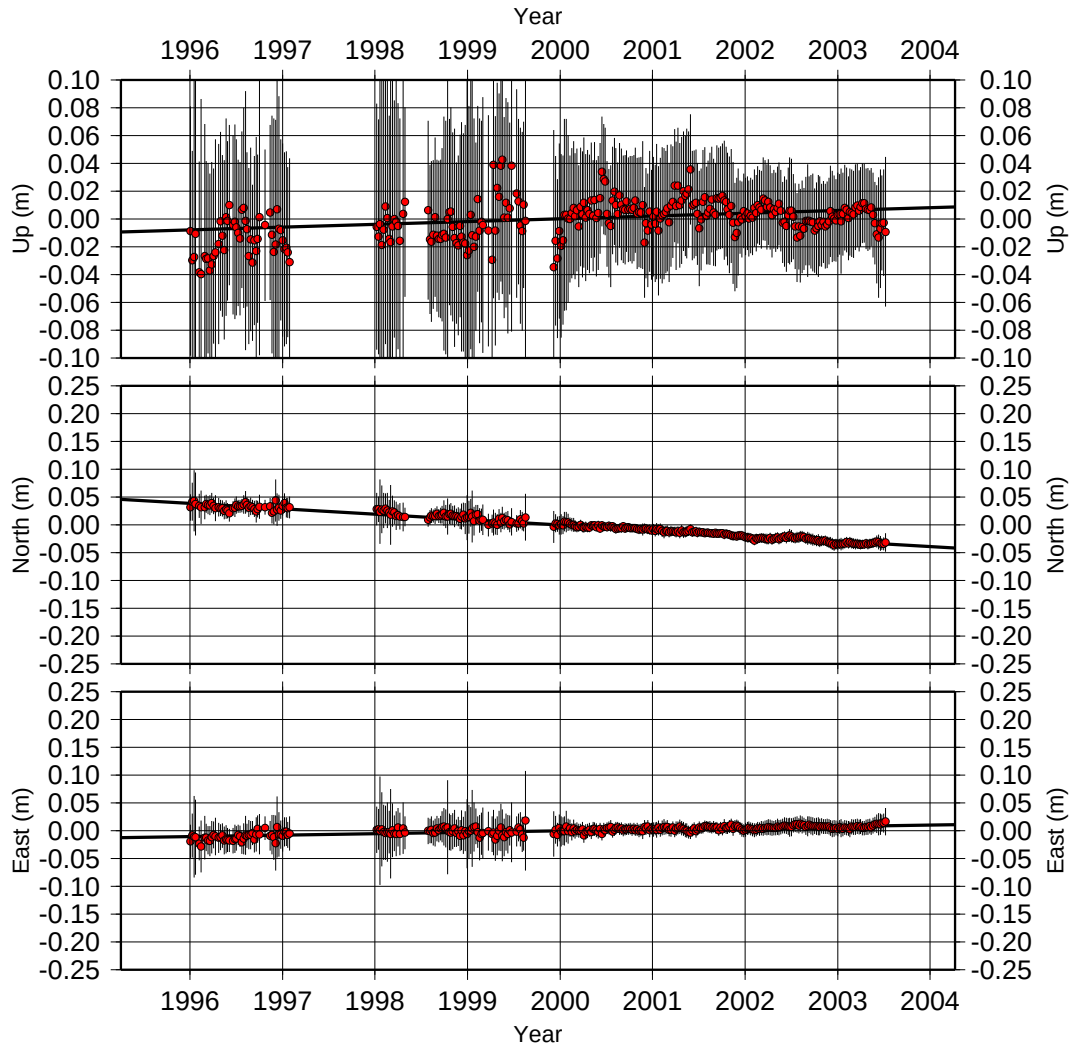


#SOLUTIONS=130 BUR1_50144M001 AT 2000:01:01

POS XYZ	-3989419.7360	2699532.9040	-4166619.7932	M
+/- ENU	0.0027	0.0017	0.0073	M
RMS ENU	0.0027	0.0029	0.0097	M
VEL XYZ	-0.0429	0.0098	0.0366	M/YR
VEL ENU	0.0159	0.0545	0.0069	M/YR
+/- ENU	0.0012	0.0005	0.0032	M/YR

5.4 Casey Station, Antarctica

CAS1_66011M001 AT 2000:01:01

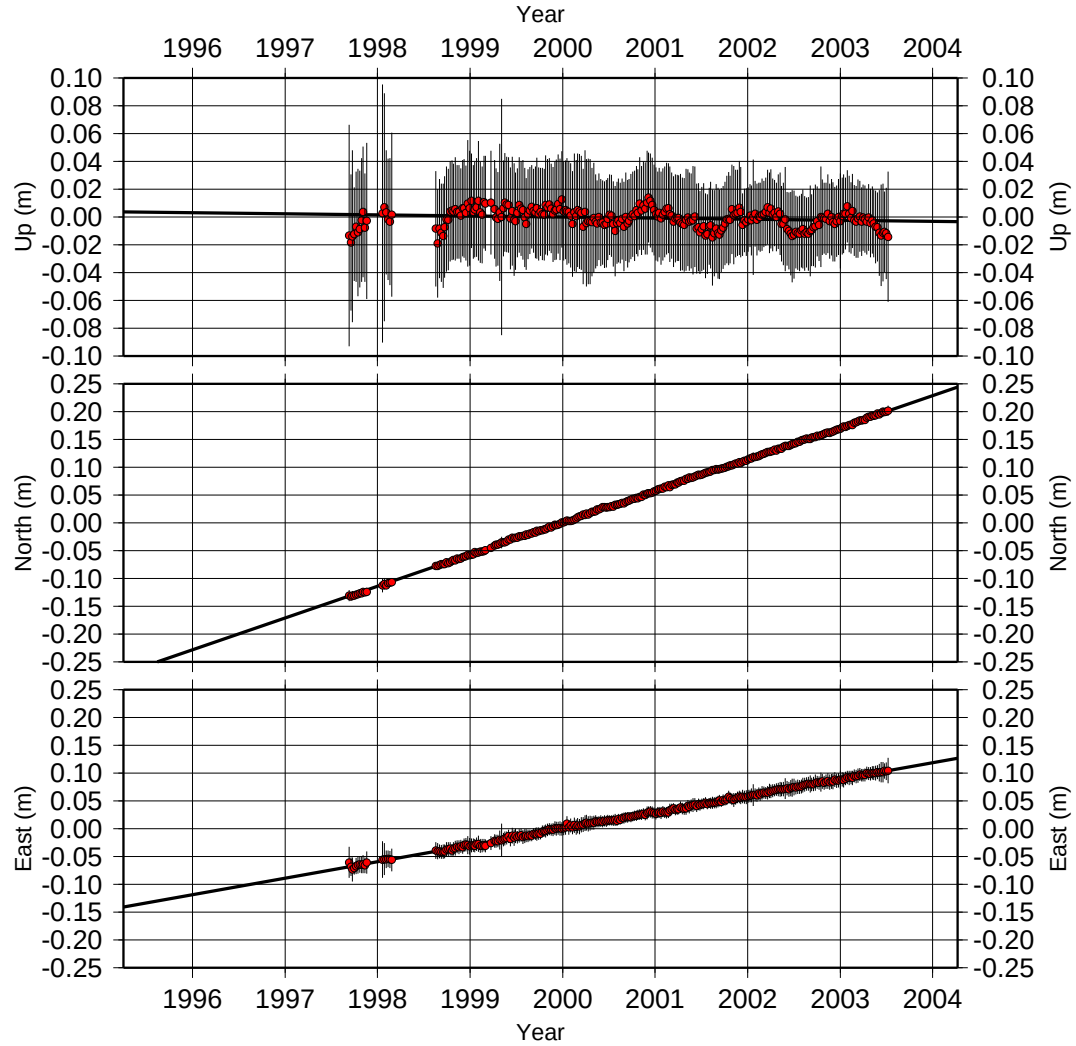


#SOLUTIONS=304 CAS1_66011M001 AT 2000:01:01

POS XYZ	-901776.1614	2409383.3920	-5816748.4336	M
+/- ENU	0.0018	0.0015	0.0033	M
RMS ENU	0.0046	0.0039	0.0122	M
VEL XYZ	0.0004	-0.0085	-0.0057	M/YR
VEL ENU	0.0026	-0.0097	0.0020	M/YR
+/- ENU	0.0006	0.0004	0.0014	M/YR

5.5 Ceduna, Australia

CEDU_50138M001 AT 2000:01:01

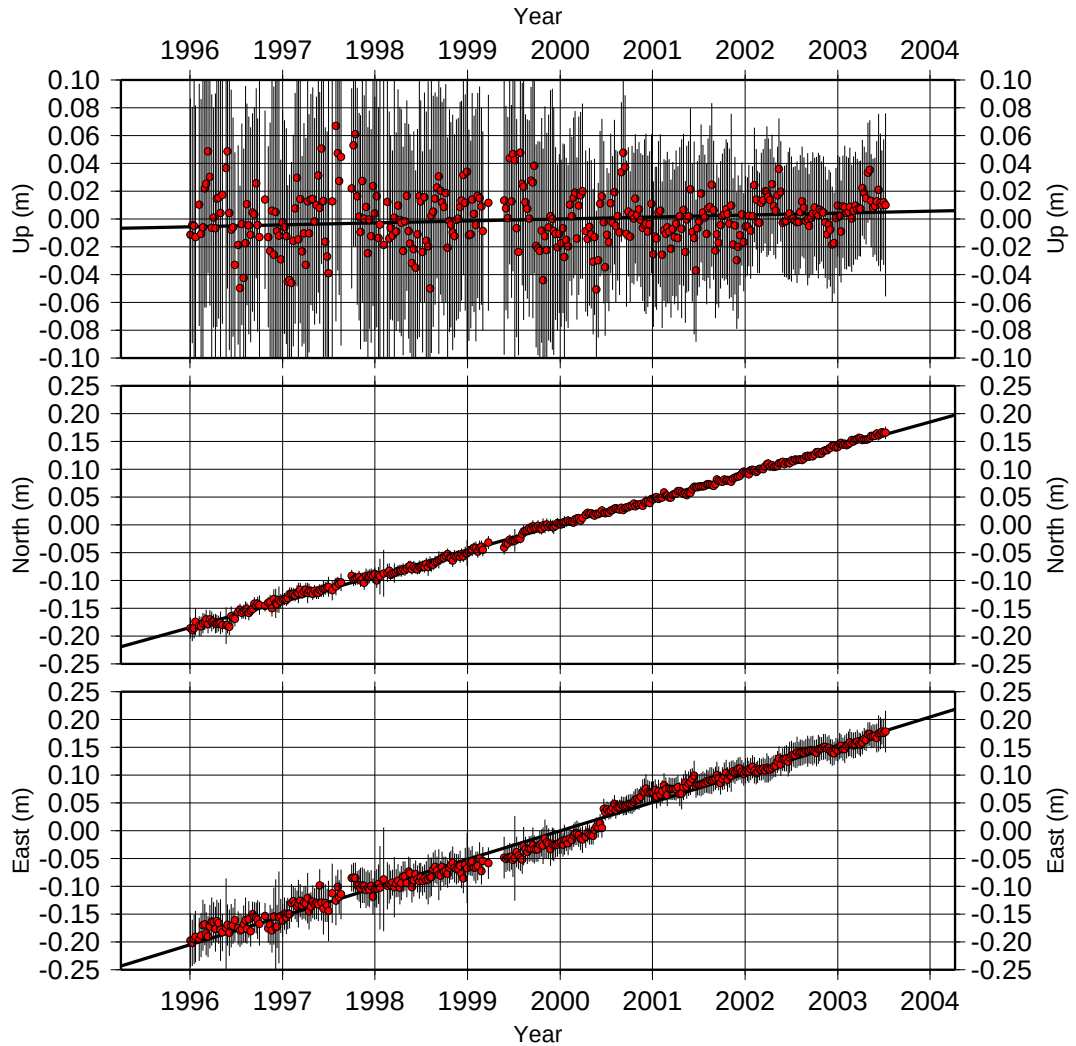


#SOLUTIONS=270 CEDU_50138M001 AT 2000:01:01

POS XYZ	-3753472.3739	3912741.0064	-3347960.7219	M
+/- ENU	0.0016	0.0014	0.0027	M
RMS ENU	0.0019	0.0014	0.0062	M
VEL XYZ	-0.0417	0.0008	0.0489	M/YR
VEL ENU	0.0296	0.0571	-0.0008	M/YR
+/- ENU	0.0005	0.0003	0.0013	M/YR

5.6 Cocos Island, Australia

COCO_50127M001 AT 2000:01:01

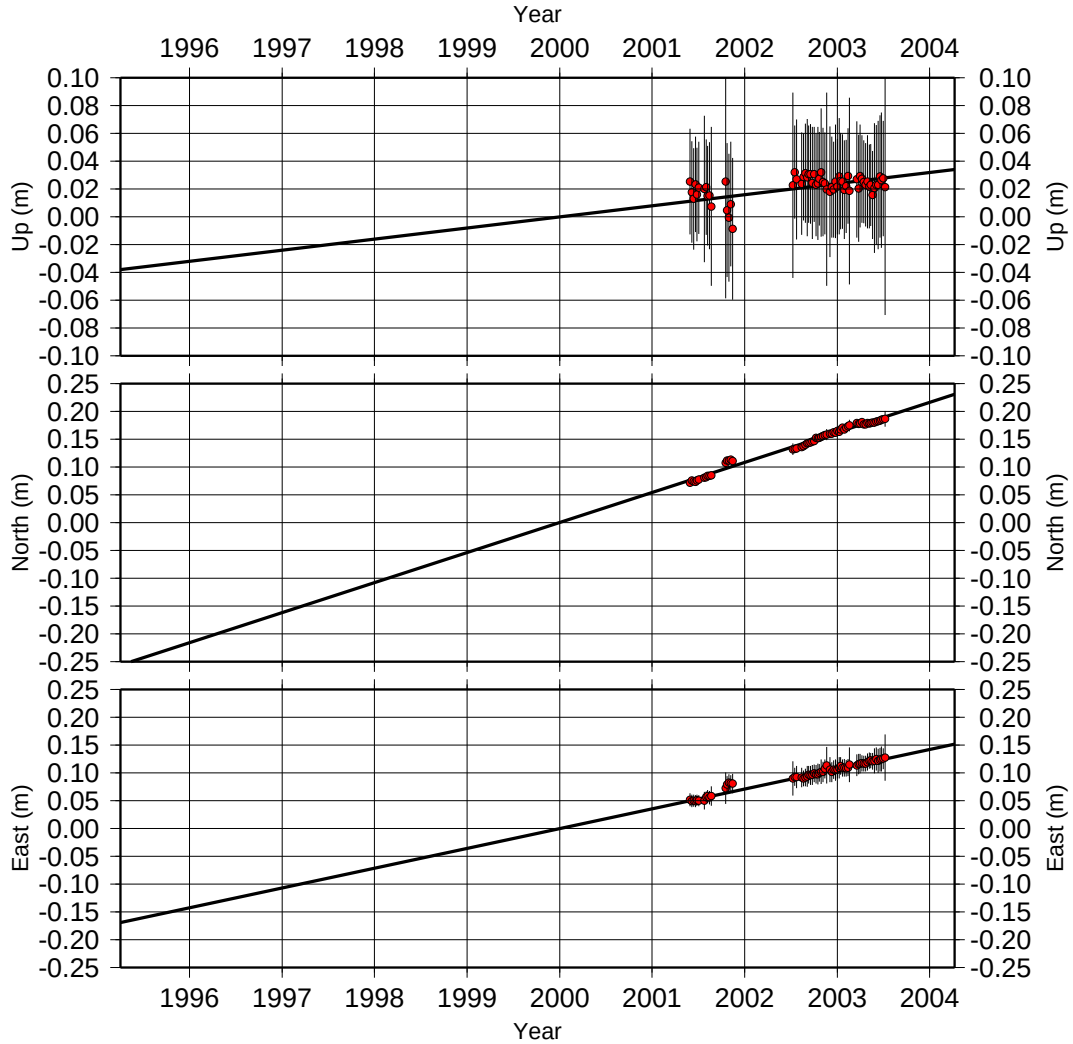


#SOLUTIONS=367 COCO_50127M001 AT 2000:01:01

POS XYZ	-741950.1613	6190961.6297	-1337768.4379	M
+/- ENU	0.0018	0.0013	0.0035	M
RMS ENU	0.0132	0.0047	0.0189	M
VEL XYZ	-0.0521	0.0050	0.0449	M/YR
VEL ENU	0.0512	0.0462	0.0014	M/YR
+/- ENU	0.0007	0.0003	0.0015	M/YR

5.7 Darwin, Australia (GPS-GLONASS Receiver)

DARR_50134M001 AT 2000:01:01

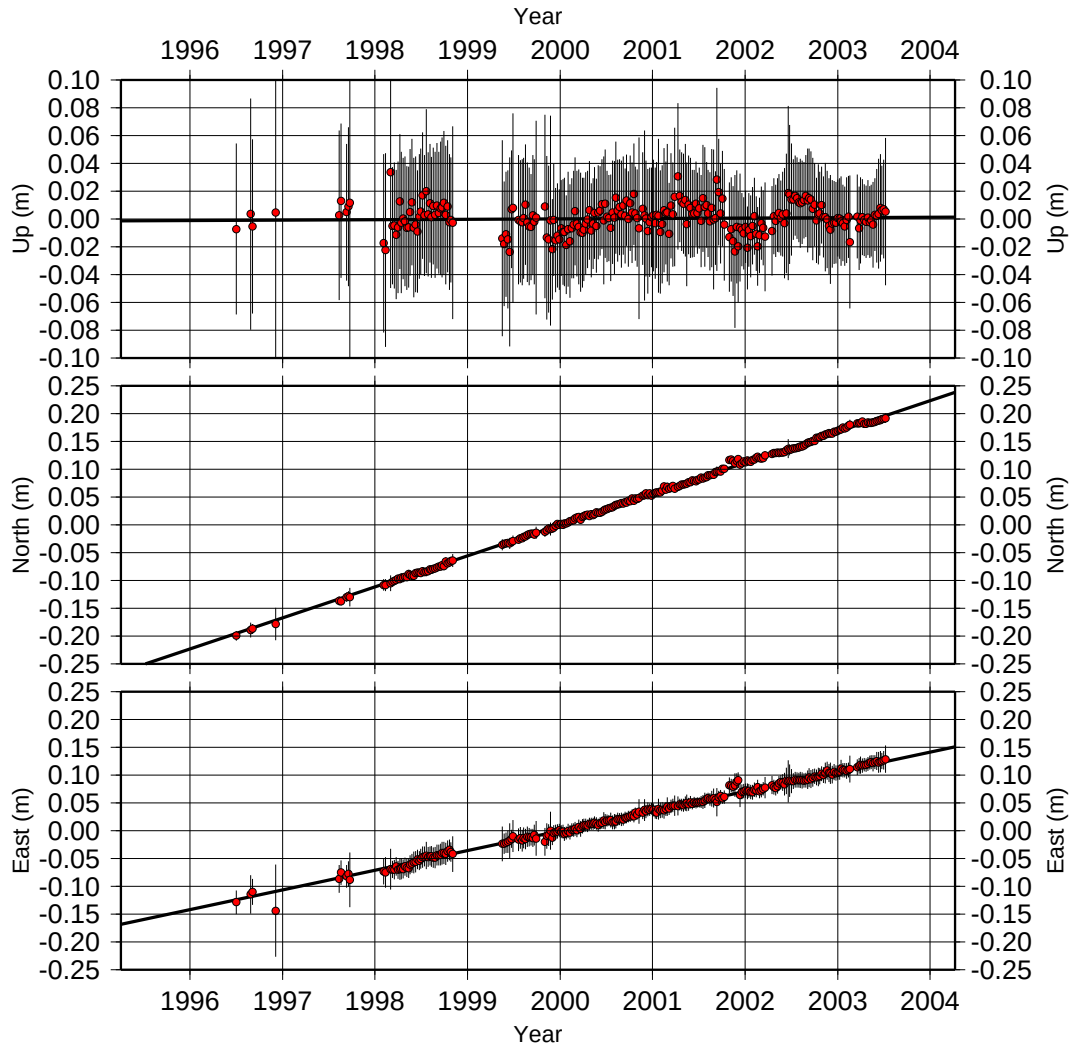


#SOLUTIONS=63 DARR_50134M001 AT 2000:01:01

POS XYZ	-4091358.9012	4684606.6955	-1408580.2861	M
+/- ENU	0.0067	0.0024	0.0198	M
RMS ENU	0.0047	0.0047	0.0069	M
VEL XYZ	-0.0398	-0.0085	0.0509	M/YR
VEL ENU	0.0356	0.0540	0.0080	M/YR
+/- ENU	0.0026	0.0008	0.0071	M/YR

5.8 Darwin, Australia

DARW_50134M001 AT 2000:01:01

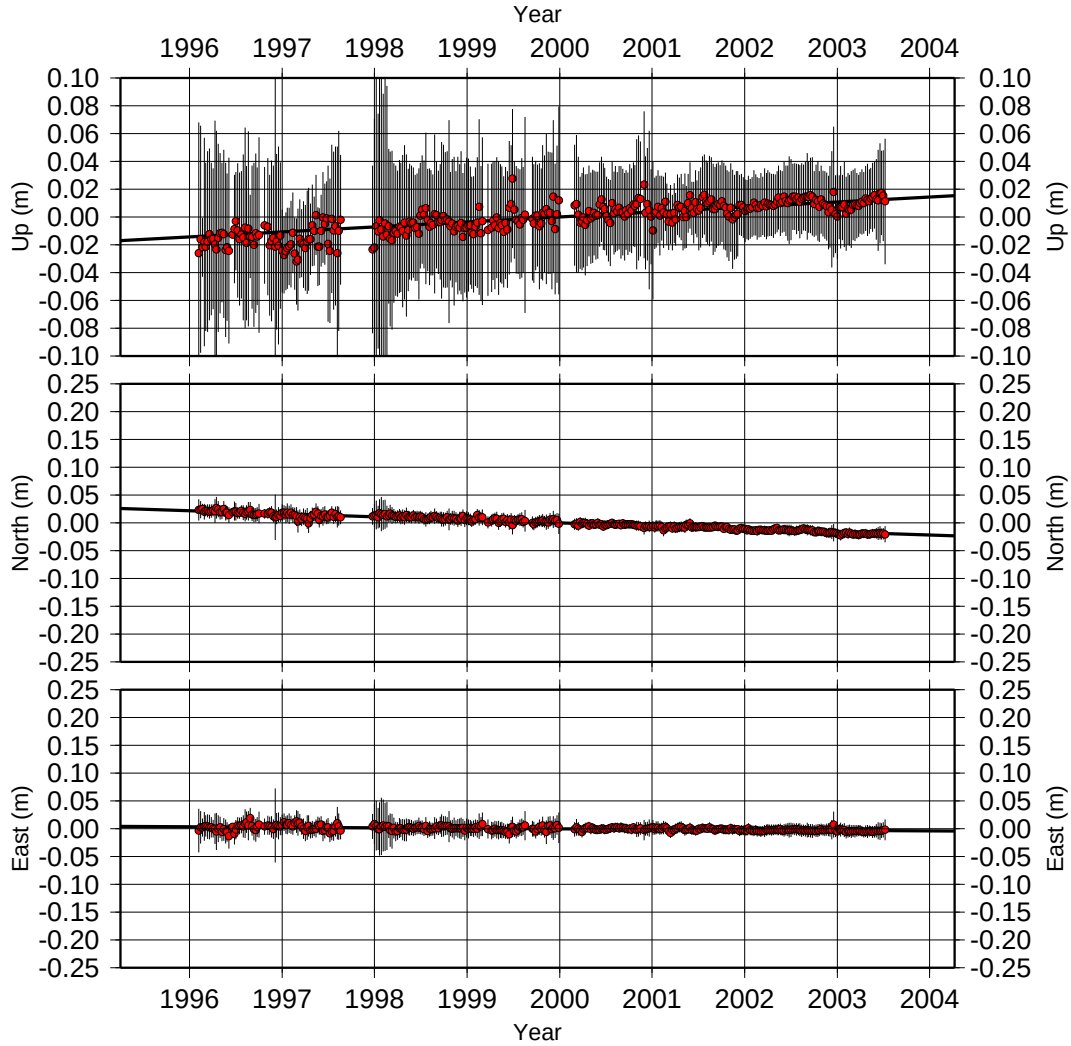


#SOLUTIONS=248 DARW_50134M001 AT 2000:01:01

POS XYZ	-4091358.9127	4684606.7102	-1408580.2951	M
+/- ENU	0.0018	0.0013	0.0033	M
RMS ENU	0.0050	0.0029	0.0096	M
VEL XYZ	-0.0350	-0.0137	0.0543	M/YR
VEL ENU	0.0354	0.0558	0.0003	M/YR
+/- ENU	0.0007	0.0003	0.0015	M/YR

5.9 Davis Station, Antarctica

DAV1_66010M001 AT 2000:01:01

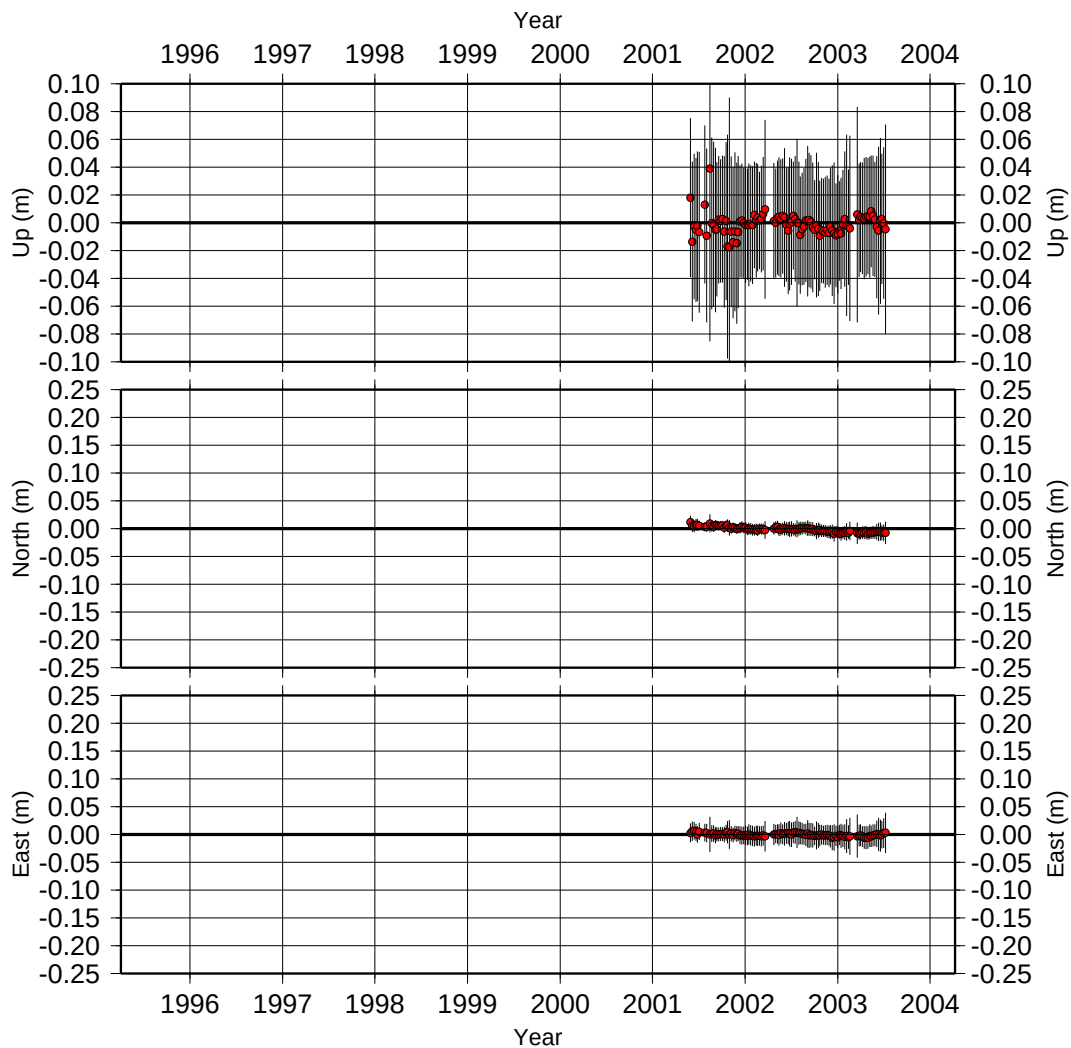


#SOLUTIONS=352 DAV1_66010M001 AT 2000:01:01

POS XYZ	486854.5461	2285099.2886	-5914955.6911	M
+/- ENU	0.0016	0.0016	0.0025	M
RMS ENU	0.0035	0.0030	0.0062	M
VEL XYZ	0.0000	-0.0039	-0.0054	M/YR
VEL ENU	-0.0009	-0.0055	0.0036	M/YR
+/- ENU	0.0004	0.0003	0.0011	M/YR

5.10 Davis Station, Antarctica (GPS-GLONASS receiver)

DAVR_66010M001 AT 2000:01:01

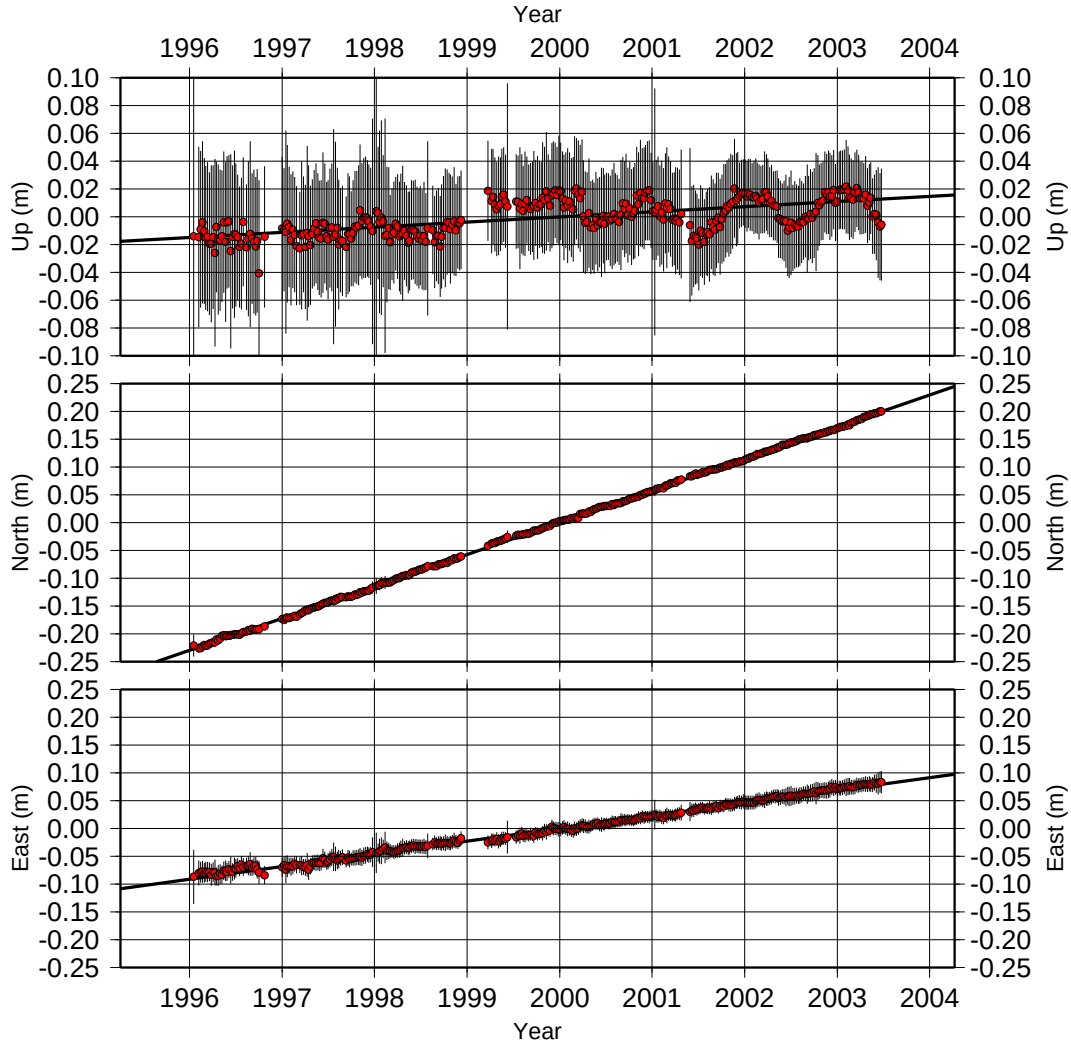


#SOLUTIONS=101 DAVR_66010M001 AT 2000:01:01

POS XYZ	486854.5449	2285099.2785	-5914955.6990	M
+/- ENU	0.0023	0.0018	0.0046	M
RMS ENU	0.0027	0.0049	0.0071	M
VEL XYZ	-0.0000	-0.0000	-0.0000	M/YR
VEL ENU	-0.0000	-0.0000	0.0000	M/YR
+/- ENU	0.0001	0.0001	0.0001	M/YR

5.11 Salisbury (DSTO), Australia

AUST_50109S001 AT 2000:01:01

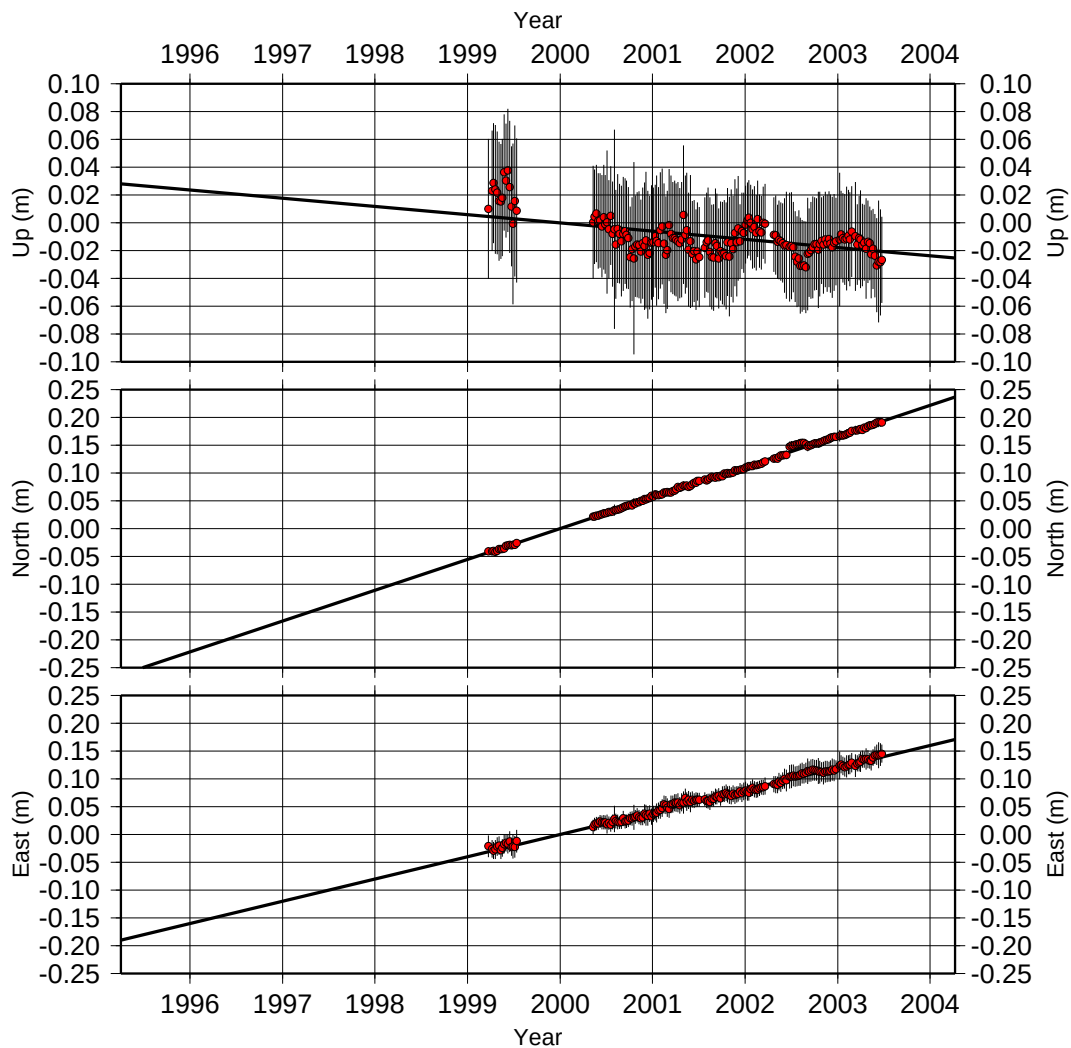


#SOLUTIONS=347 AUST_50109S001 AT 2000:01:01

POS XYZ	-3939182.0330	3467075.3087	-3613220.8114	M
+/- ENU	0.0015	0.0014	0.0022	M
RMS ENU	0.0039	0.0020	0.0093	M
VEL XYZ	-0.0419	0.0065	0.0450	M/YR
VEL ENU	0.0228	0.0574	0.0037	M/YR
+/- ENU	0.0004	0.0002	0.0009	M/YR

5.12 Hillarys (Tide Gauge), Australia

HIL1_50141S001 AT 2000:01:01

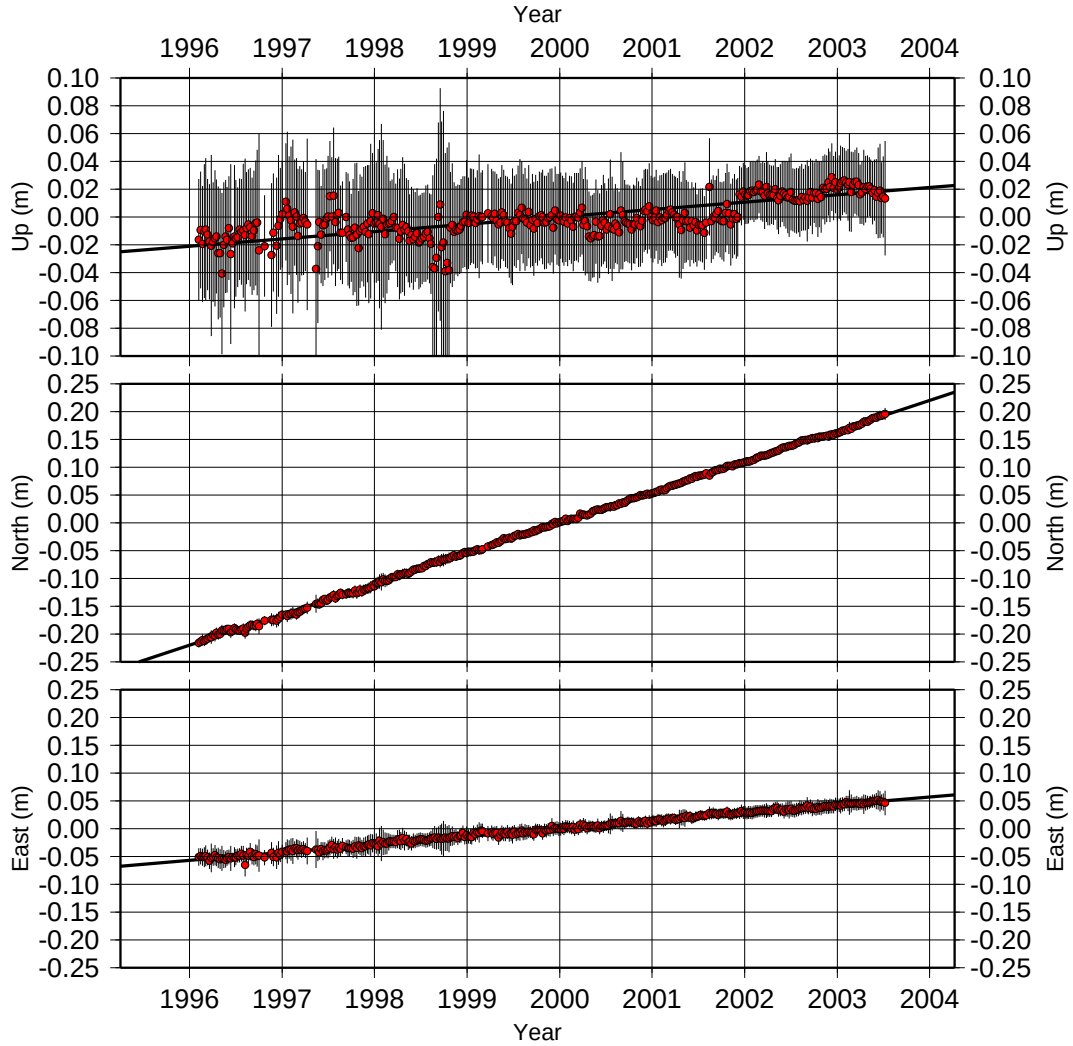


#SOLUTIONS=171 HIL1_50141S001 AT 2000:01:01

POS XYZ	-2355571.1694	4886093.0481	-3343994.6788	M
+/- ENU	0.0024	0.0015	0.0055	M
RMS ENU	0.0040	0.0028	0.0102	M
VEL XYZ	-0.0465	0.0044	0.0502	M/YR
VEL ENU	0.0400	0.0554	-0.0059	M/YR
+/- ENU	0.0011	0.0004	0.0025	M/YR

5.13 Hobart, Australia

HOB2_50116M004 AT 2000:01:01

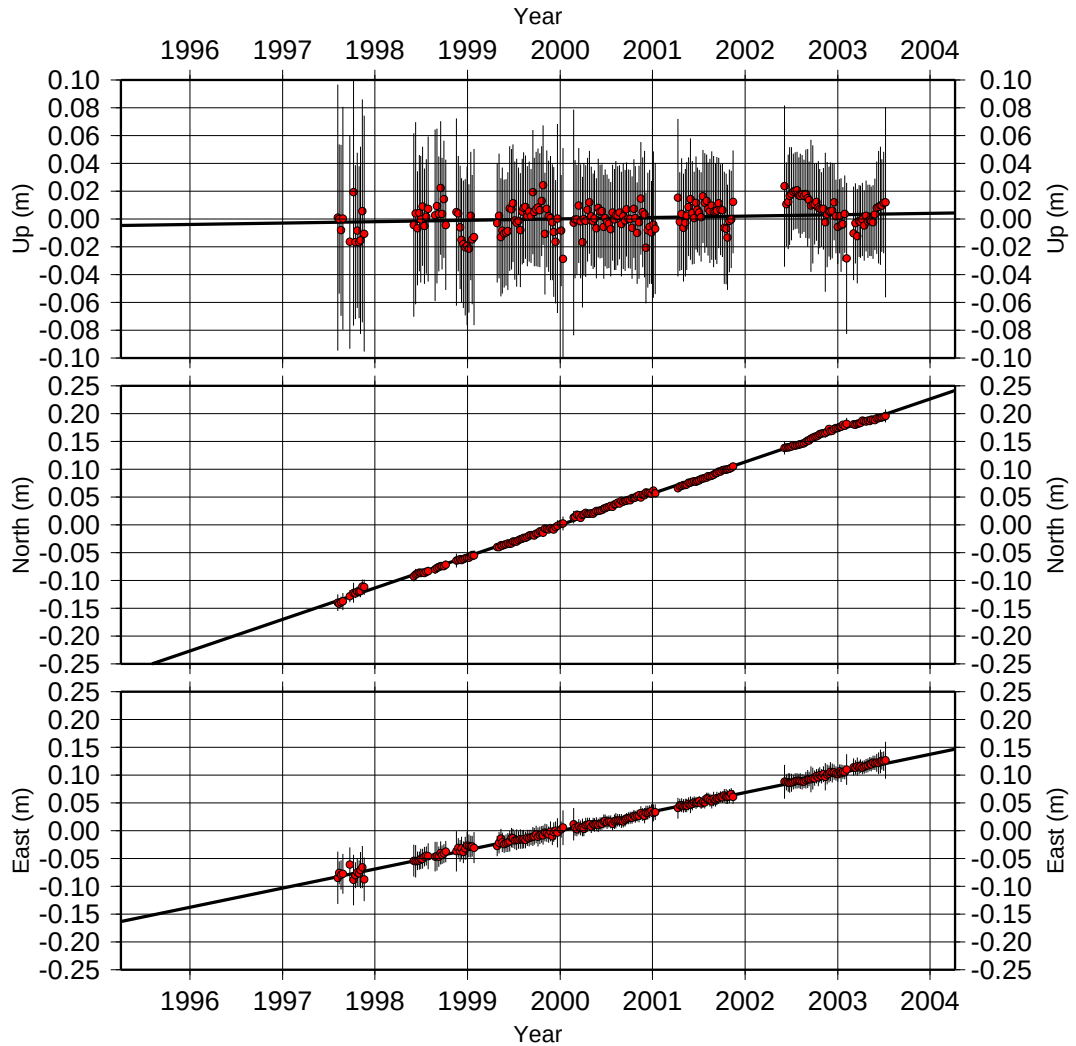


#SOLUTIONS=372 HOB2_50116M004 AT 2000:01:01

POS XYZ	-3950071.4790	2522415.2087	-4311638.2373	M
+/- ENU	0.0014	0.0014	0.0020	M
RMS ENU	0.0027	0.0026	0.0089	M
VEL XYZ	-0.0425	0.0102	0.0367	M/YR
VEL ENU	0.0143	0.0550	0.0053	M/YR
+/- ENU	0.0004	0.0002	0.0008	M/YR

5.14 Jabiru, Australia

JAB1_50136M001 AT 2000:01:01

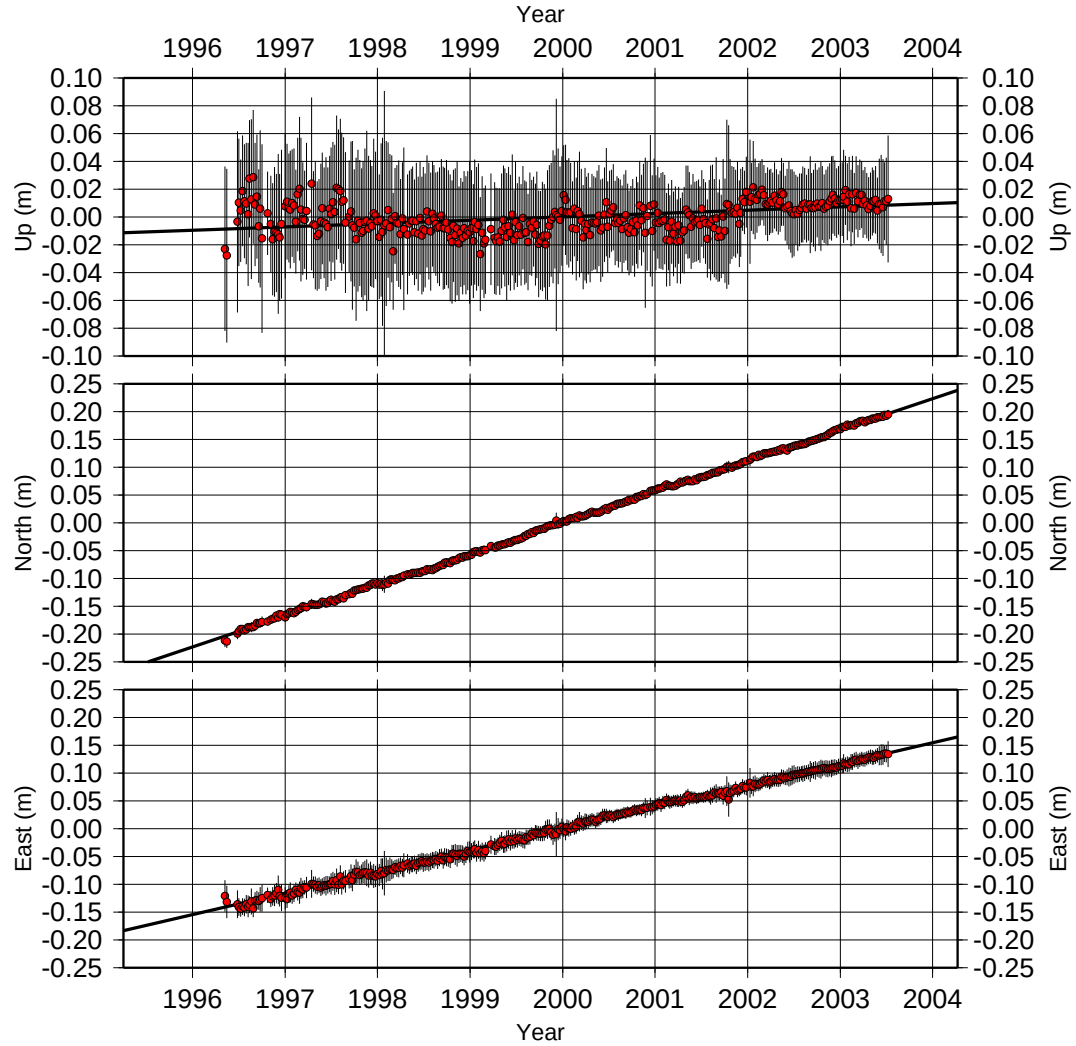


#SOLUTIONS=210 JAB1_50136M001 AT 2000:01:01

POS XYZ	-4236442.9077	4559929.5576	-1388624.4703	M
+/- ENU	0.0019	0.0013	0.0035	M
RMS ENU	0.0035	0.0032	0.0094	M
VEL XYZ	-0.0343	-0.0136	0.0551	M/YR
VEL ENU	0.0344	0.0567	0.0010	M/YR
+/- ENU	0.0007	0.0003	0.0016	M/YR

5.15 Karratha, Australia

KARR_50139M001 AT 2000:01:01

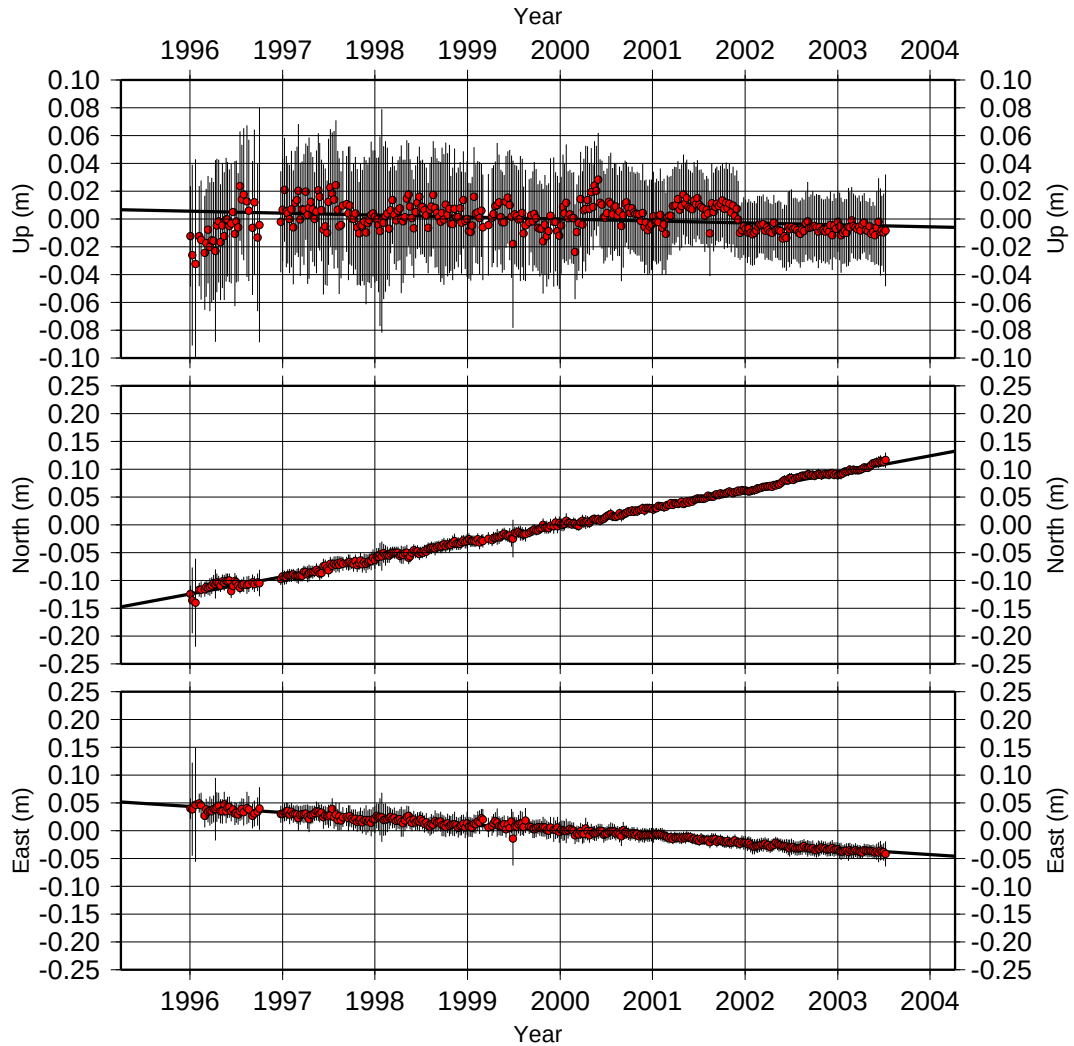


#SOLUTIONS=357 KARR_50139M001 AT 2000:01:01

POS XYZ	-2713832.3990	5303935.1005	-2269514.8539	M
+/- ENU	0.0016	0.0013	0.0024	M
RMS ENU	0.0039	0.0026	0.0098	M
VEL XYZ	-0.0445	0.0022	0.0512	M/YR
VEL ENU	0.0386	0.0558	0.0024	M/YR
+/- ENU	0.0005	0.0002	0.0010	M/YR

5.16 Macquarie Island, Sub-Antarctica

MAC1_50135M001 AT 2000:01:01

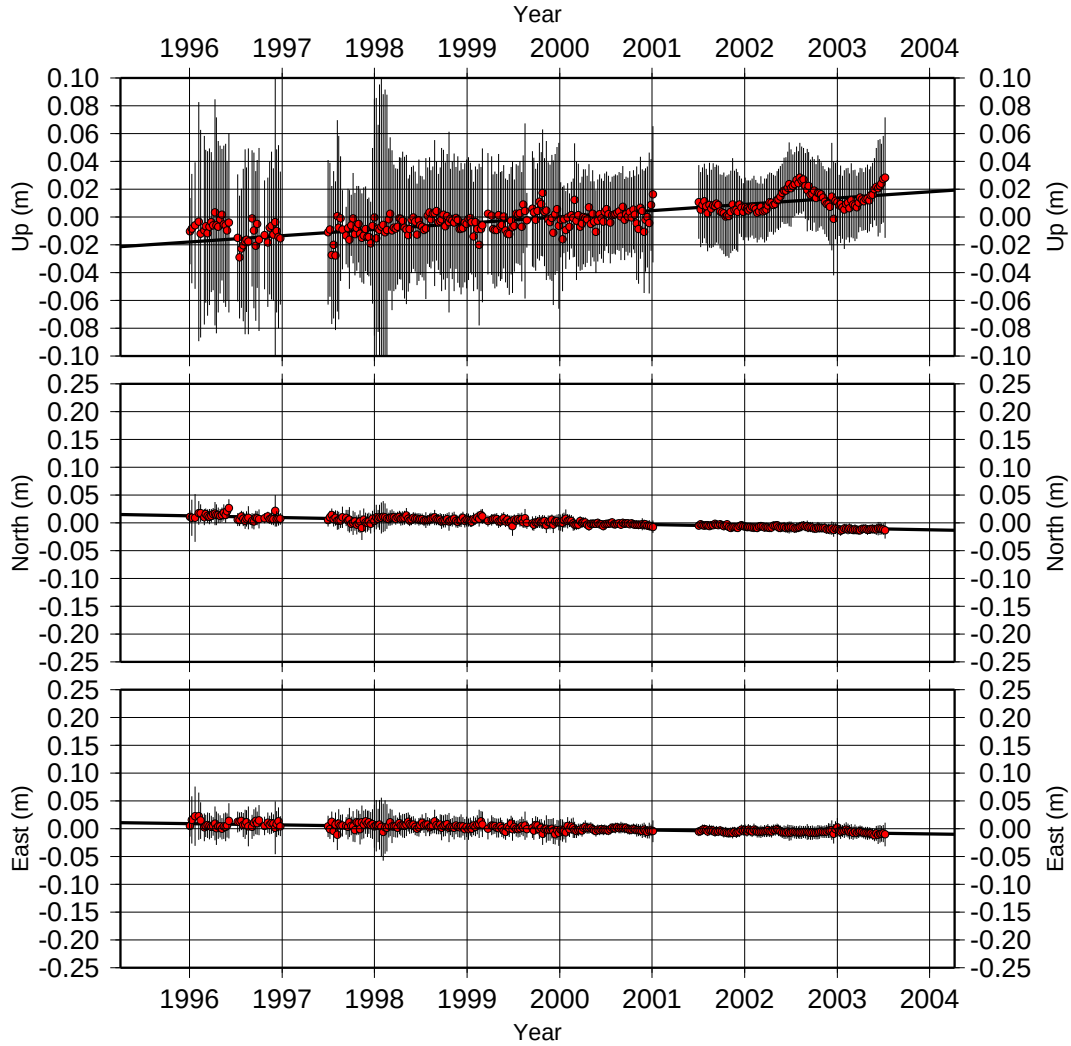


#SOLUTIONS=370 MAC1_50135M001 AT 2000:01:01

POS XYZ	-3464038.5629	1334172.8189	-5169224.2705	M
+/- ENU	0.0015	0.0015	0.0020	M
RMS ENU	0.0040	0.0038	0.0093	M
VEL XYZ	-0.0190	0.0188	0.0192	M/YR
VEL ENU	-0.0108	0.0311	-0.0014	M/YR
+/- ENU	0.0004	0.0003	0.0008	M/YR

5.17 Mawson Station, Antarctica

MAW1_66004M001 AT 2000:01:01

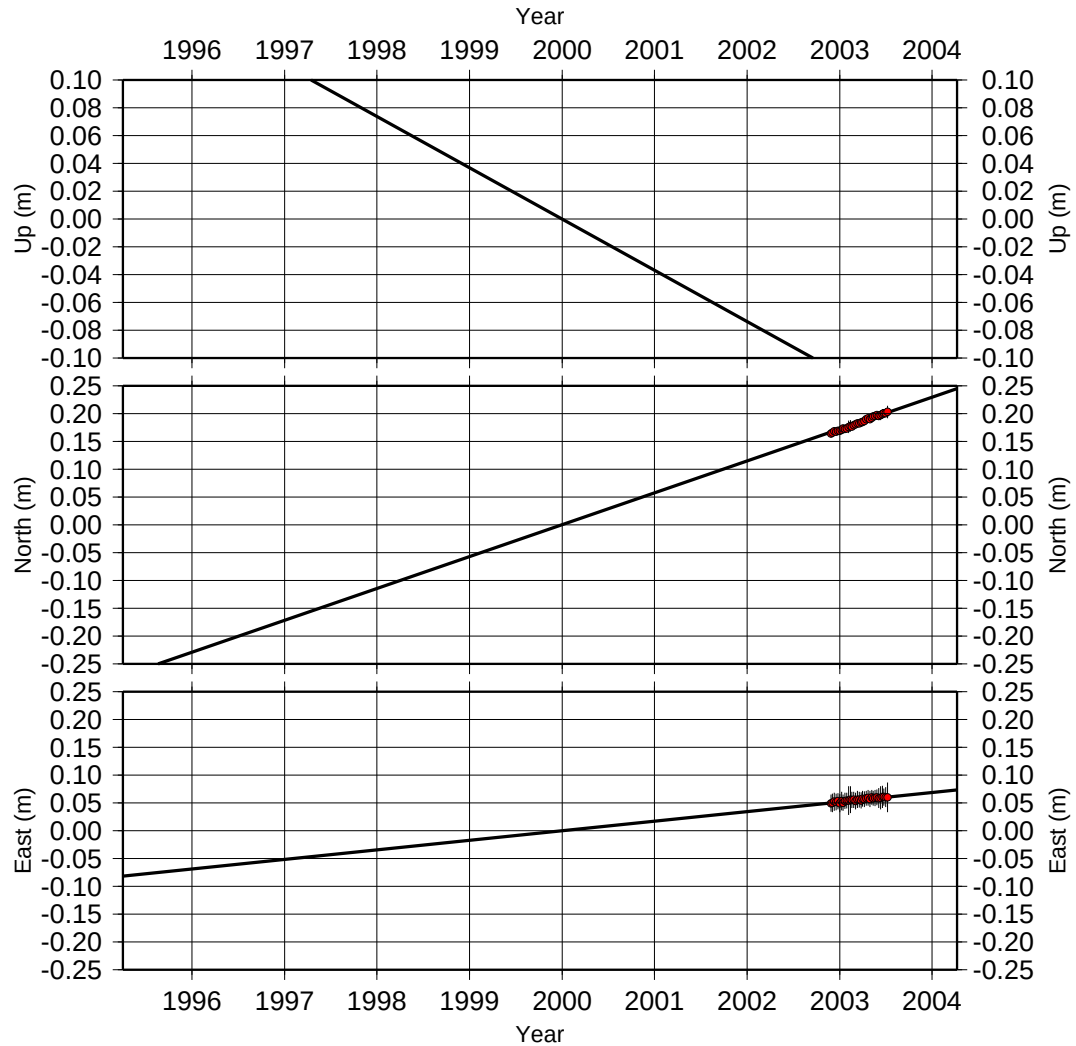


#SOLUTIONS=325 MAW1_66004M001 AT 2000:01:01

POS XYZ	1111287.1675	2168911.2693	-5874493.6008	M
+/- ENU	0.0016	0.0016	0.0025	M
RMS ENU	0.0037	0.0034	0.0066	M
VEL XYZ	0.0015	-0.0021	-0.0054	M/YR
VEL ENU	-0.0023	-0.0032	0.0045	M/YR
+/- ENU	0.0005	0.0004	0.0010	M/YR

5.18 Melbourne, Australia

MOBS_50182M001 AT 2000:01:01

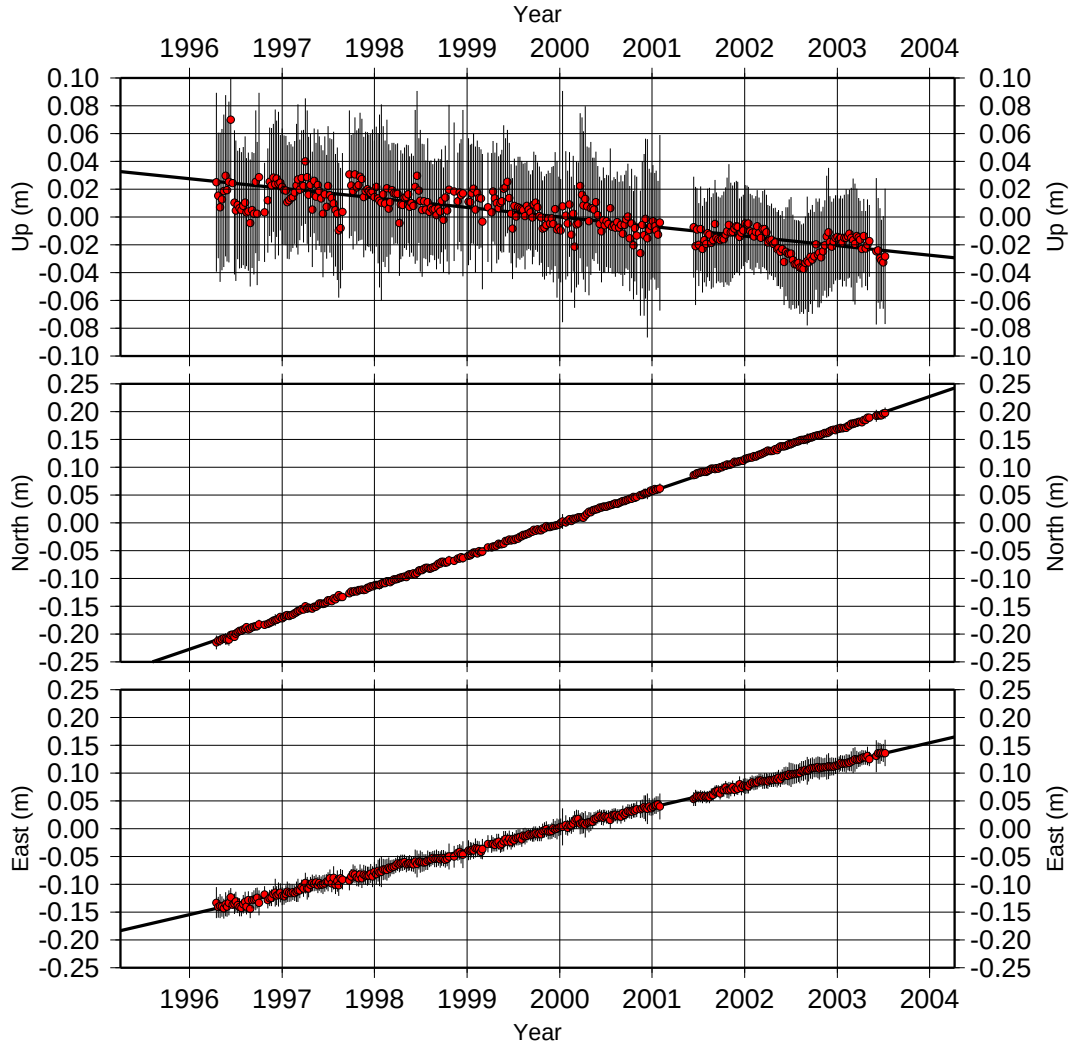


#SOLUTIONS=33 MOBS_50182M001 AT 2000:01:01

POS XYZ	-4130636.0650	2894953.1193	-3890531.2494	M
+/- ENU	0.0490	0.0201	0.0960	M
RMS ENU	0.0013	0.0017	0.0049	M
VEL XYZ	-0.0147	-0.0107	0.0679	M/YR
VEL ENU	0.0172	0.0573	-0.0369	M/YR
+/- ENU	0.0152	0.0063	0.0299	M/YR

5.19 Perth, Australia

PERT_50133M001 AT 2000:01:01

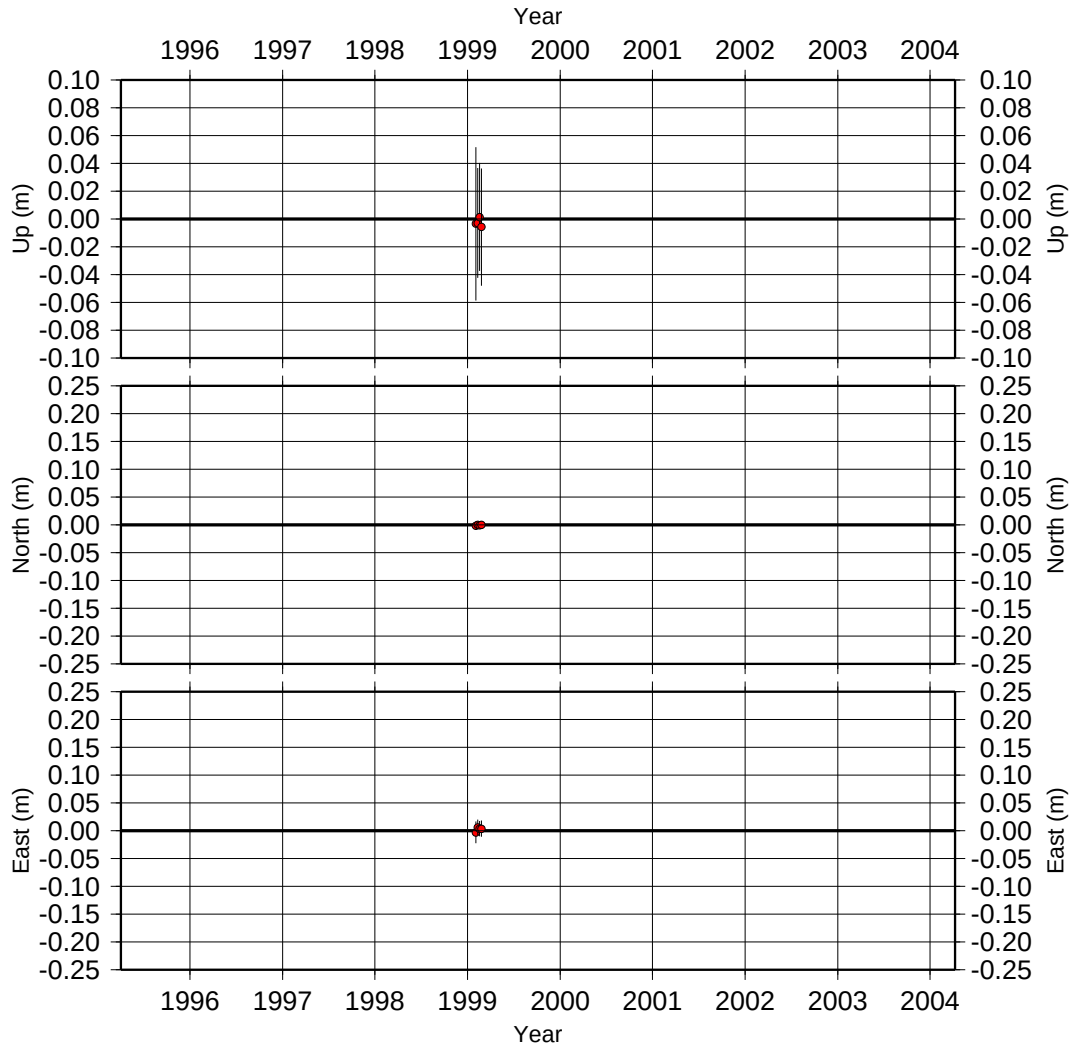


#SOLUTIONS=341 PERT_50133M001 AT 2000:01:01

POS XYZ	-2368687.1126	4881316.5392	-3341796.0061	M
+/- ENU	0.0016	0.0014	0.0023	M
RMS ENU	0.0034	0.0020	0.0090	M
VEL XYZ	-0.0453	0.0048	0.0519	M/YR
VEL ENU	0.0387	0.0568	-0.0069	M/YR
+/- ENU	0.0004	0.0002	0.0010	M/YR

5.20 Mount Stromlo, Australia

STR0_50119M001 AT 2000:01:01

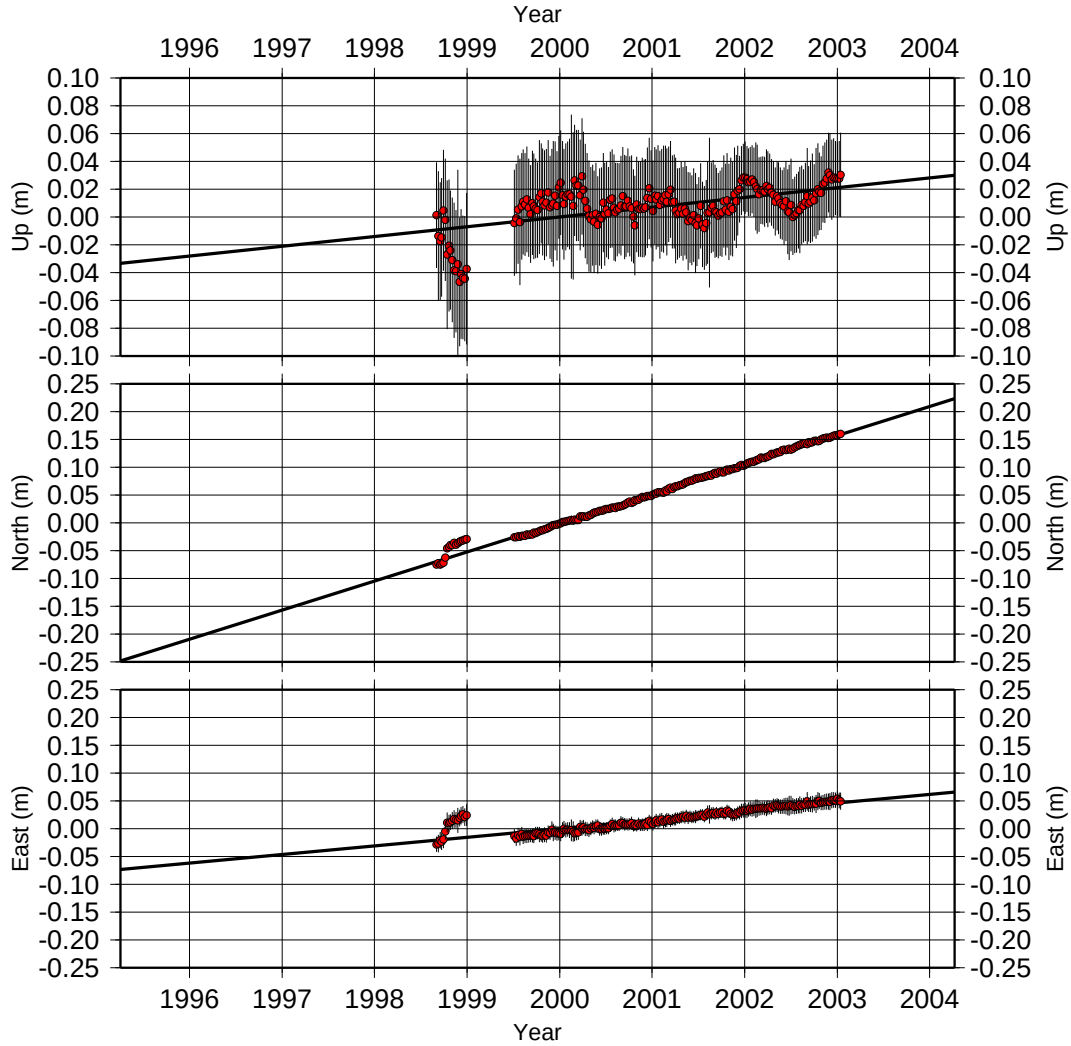


#SOLUTIONS=4 STR0_50119M001 AT 2000:01:01

POS XYZ	-4467074.4973	2683011.8443	-3667008.0122	M
+/- ENU	0.0073	0.0029	0.0204	M
RMS ENU	0.0041	0.0010	0.0037	M
VEL XYZ	-0.0000	0.0000	0.0000	M/YR
VEL ENU	-0.0000	0.0000	0.0000	M/YR
+/- ENU	0.0001	0.0001	0.0001	M/YR

5.21 Mount Stromlo, Australia

STR1_50119M002 AT 2000:01:01

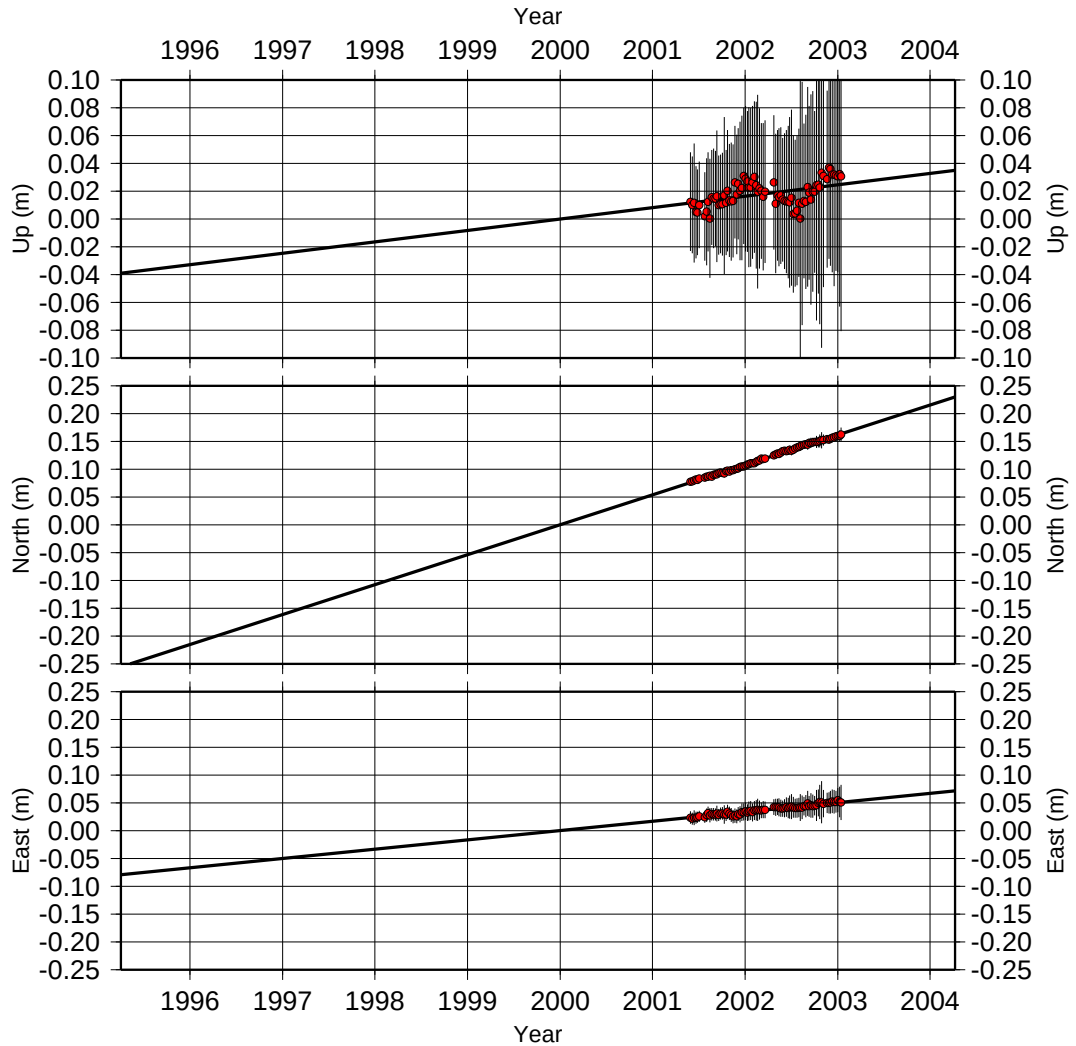


#SOLUTIONS=203 STR1_50119M002 AT 2000:01:01

POS XYZ	-4467102.4707	2683039.4613	-3666949.6653	M
+/- ENU	0.0017	0.0014	0.0037	M
RMS ENU	0.0096	0.0059	0.0117	M
VEL XYZ	-0.0388	0.0053	0.0388	M/YR
VEL ENU	0.0154	0.0524	0.0070	M/YR
+/- ENU	0.0008	0.0004	0.0020	M/YR

5.22 Mount Stromlo, Australia

STR2_50119M001 AT 2000:01:01

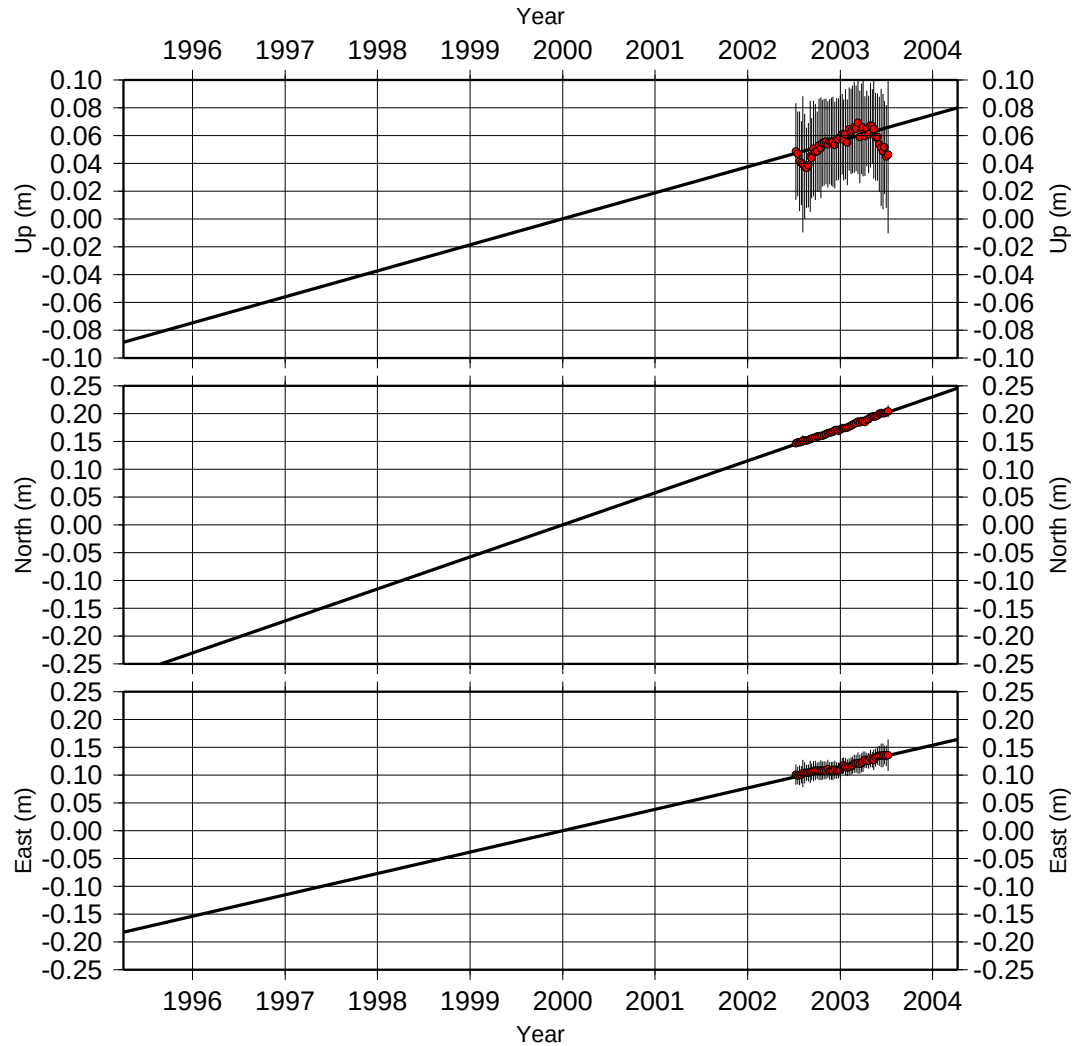


#SOLUTIONS=79 STR2_50119M001 AT 2000:01:01

POS XYZ	-4467074.5128	2683011.8307	-3667007.9600	M
+/- ENU	0.0076	0.0031	0.0249	M
RMS ENU	0.0023	0.0015	0.0077	M
VEL XYZ	-0.0410	0.0052	0.0391	M/YR
VEL ENU	0.0167	0.0538	0.0082	M/YR
+/- ENU	0.0037	0.0014	0.0122	M/YR

5.23 New Norcia, Australia

NNOR_50181M001 AT 2000:01:01

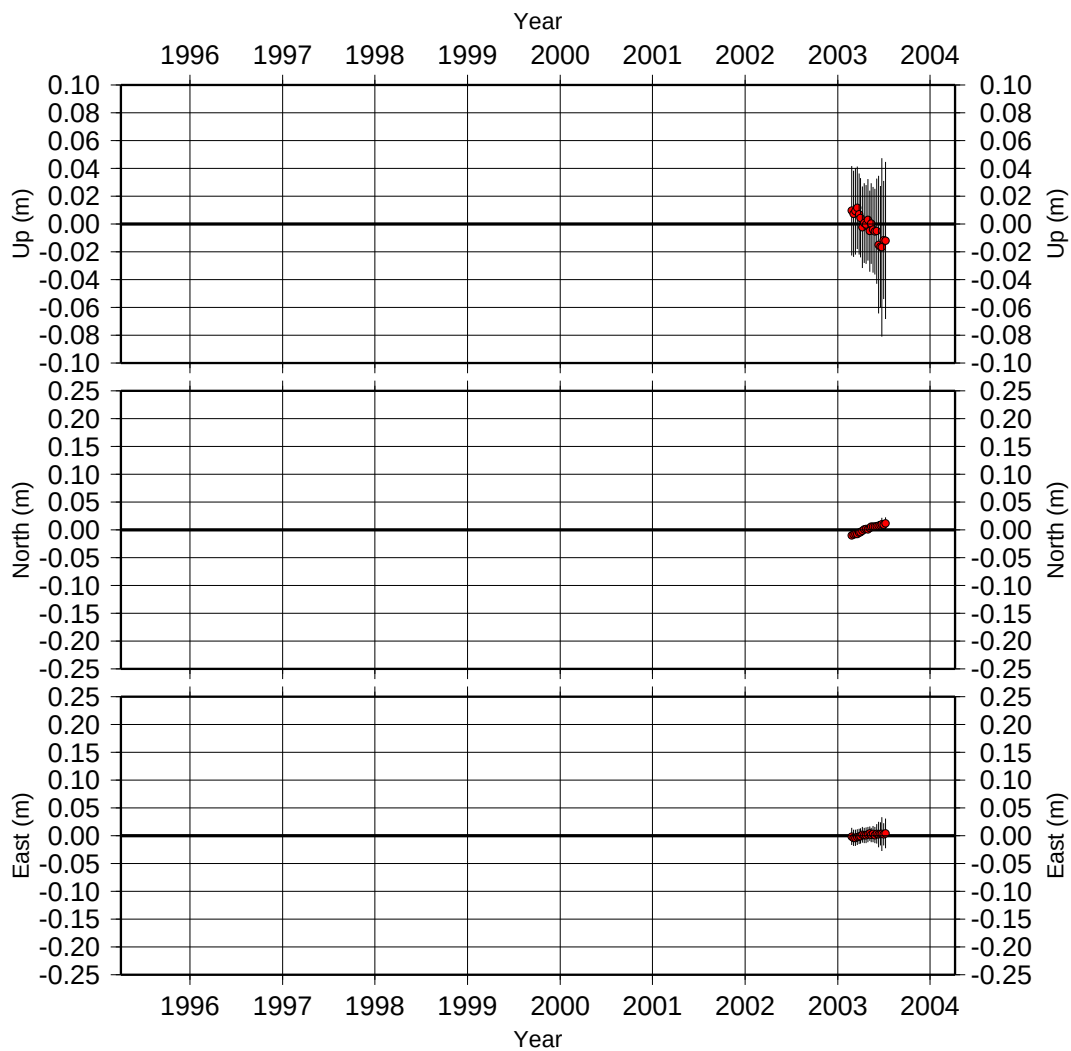


#SOLUTIONS=53 NNOR_50181M001 AT 2000:01:01

POS XYZ	-2414151.4201	4907778.4218	-3270645.1975	M
+/- ENU	0.0237	0.0090	0.0472	M
RMS ENU	0.0027	0.0013	0.0071	M
VEL XYZ	-0.0546	0.0241	0.0397	M/YR
VEL ENU	0.0384	0.0576	0.0187	M/YR
+/- ENU	0.0078	0.0029	0.0156	M/YR

5.24 Sydney, Australia

NML1_----- AT 2000:01:01

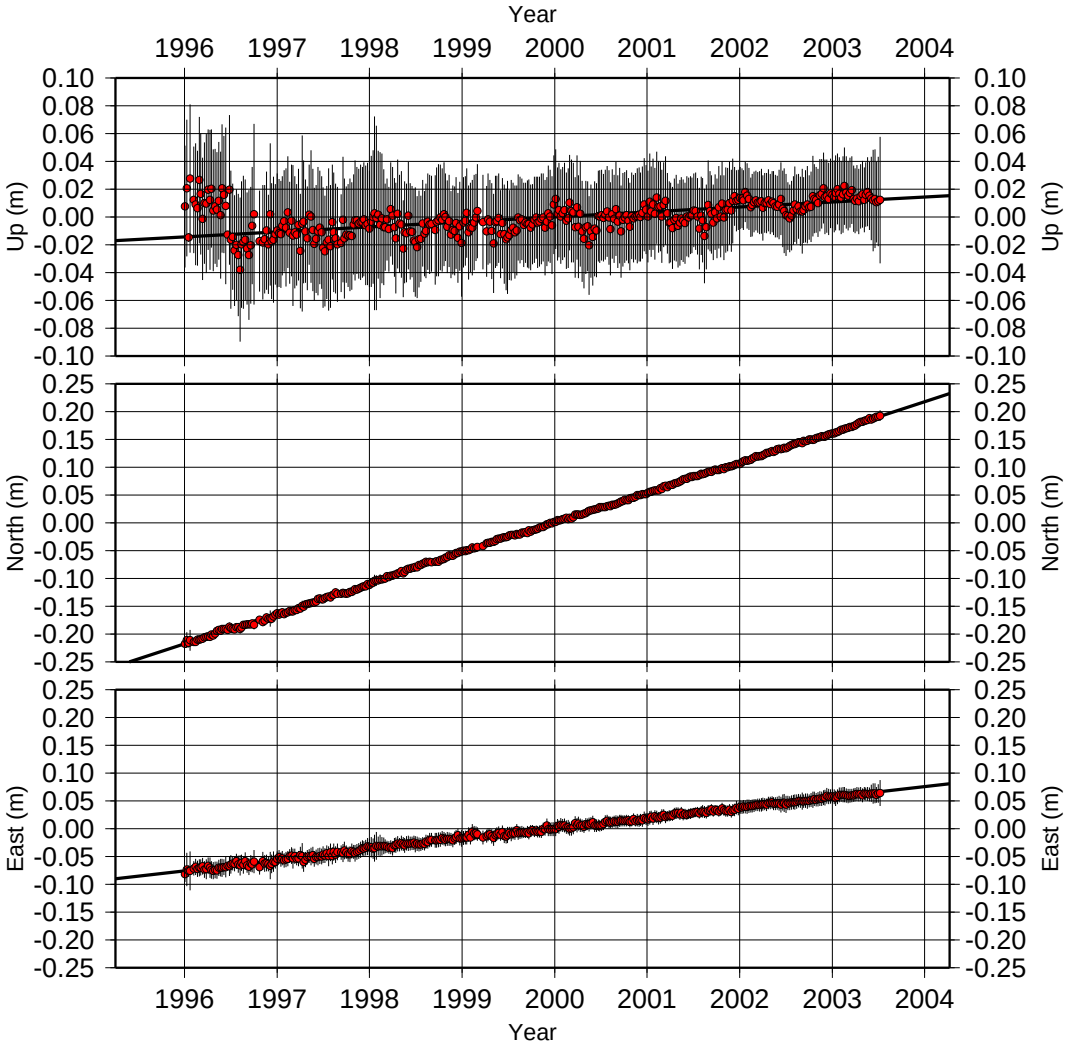


#SOLUTIONS=20 NML1_----- AT 2000:01:01

POS XYZ	-4648200.2318	2560483.9930	-3526505.1277	M
+/- ENU	0.0037	0.0020	0.0073	M
RMS ENU	0.0026	0.0069	0.0089	M
VEL XYZ	-0.0000	0.0000	0.0000	M/YR
VEL ENU	0.0000	0.0000	-0.0000	M/YR
+/- ENU	0.0001	0.0001	0.0001	M/YR

5.25 Tidbinbilla, Australia

TID2_50103M108 AT 2000:01:01

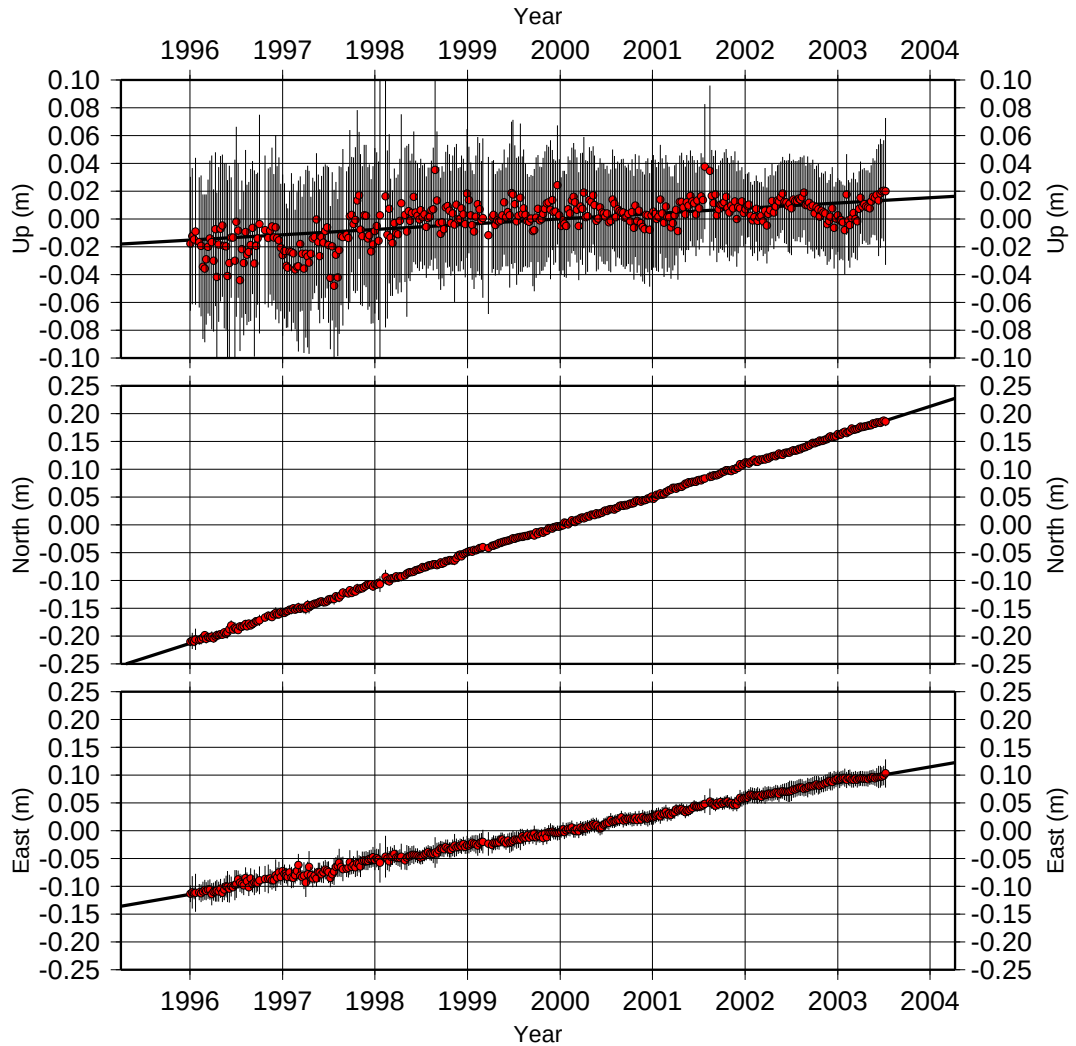


#SOLUTIONS=384 TID2_50103M108 AT 2000:01:01

POS XYZ	-4460996.2381	2682557.0767	-3674443.5562	M
+/- ENU	0.0014	0.0014	0.0020	M
RMS ENU	0.0029	0.0022	0.0093	M
VEL XYZ	-0.0393	0.0016	0.0423	M/YR
VEL ENU	0.0189	0.0544	0.0036	M/YR
+/- ENU	0.0004	0.0002	0.0008	M/YR

5.26 Townsville, Australia

TOW2_50140M001 AT 2000:01:01

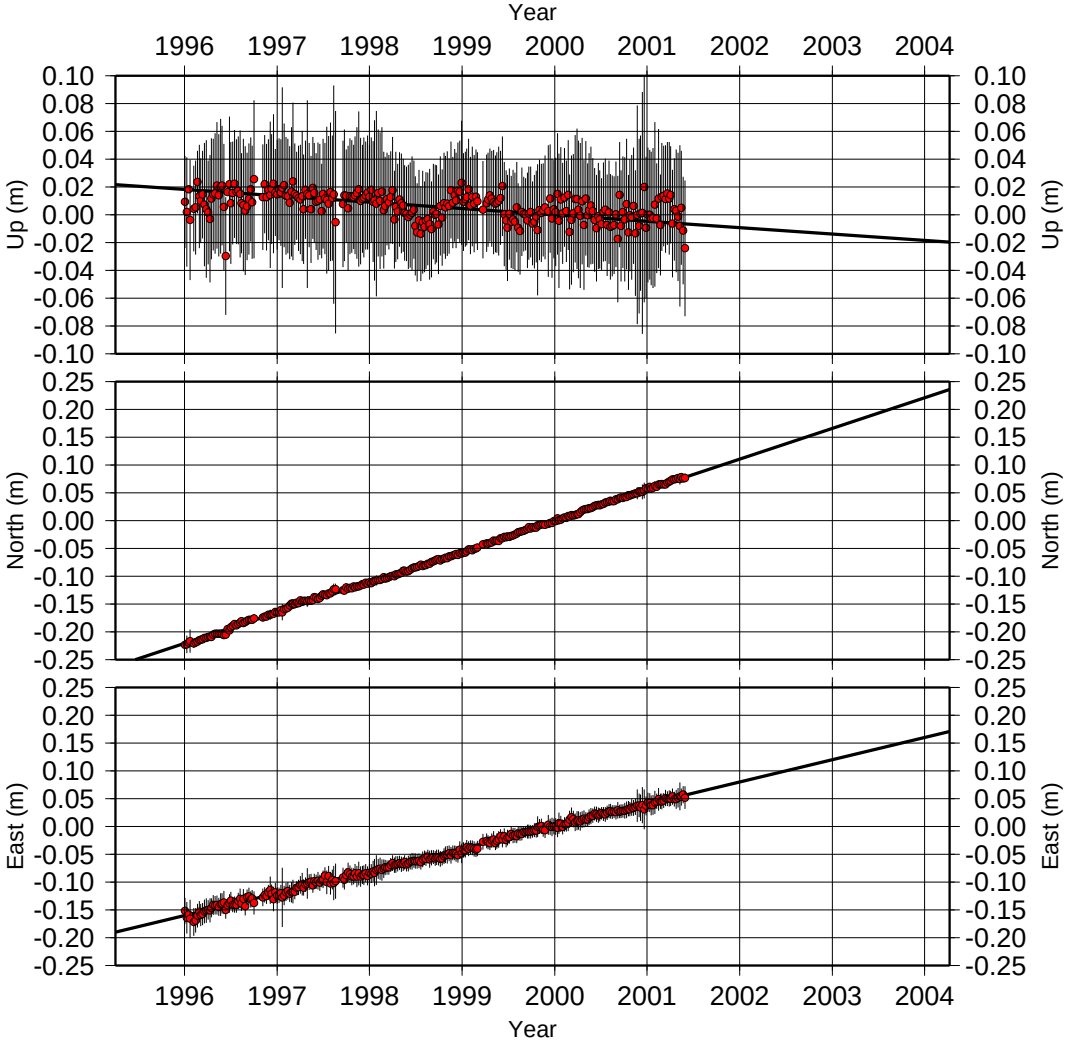


#SOLUTIONS=380 TOW2_50140M001 AT 2000:01:01

POS XYZ	-5054582.8012	3275504.4115	-2091539.5510	M
+/- ENU	0.0015	0.0013	0.0024	M
RMS ENU	0.0042	0.0023	0.0103	M
VEL XYZ	-0.0334	-0.0126	0.0491	M/YR
VEL ENU	0.0287	0.0533	0.0038	M/YR
+/- ENU	0.0004	0.0002	0.0010	M/YR

5.27 Yaragadee, Australia (YAR1)

YAR1_50107M004 AT 2000:01:01

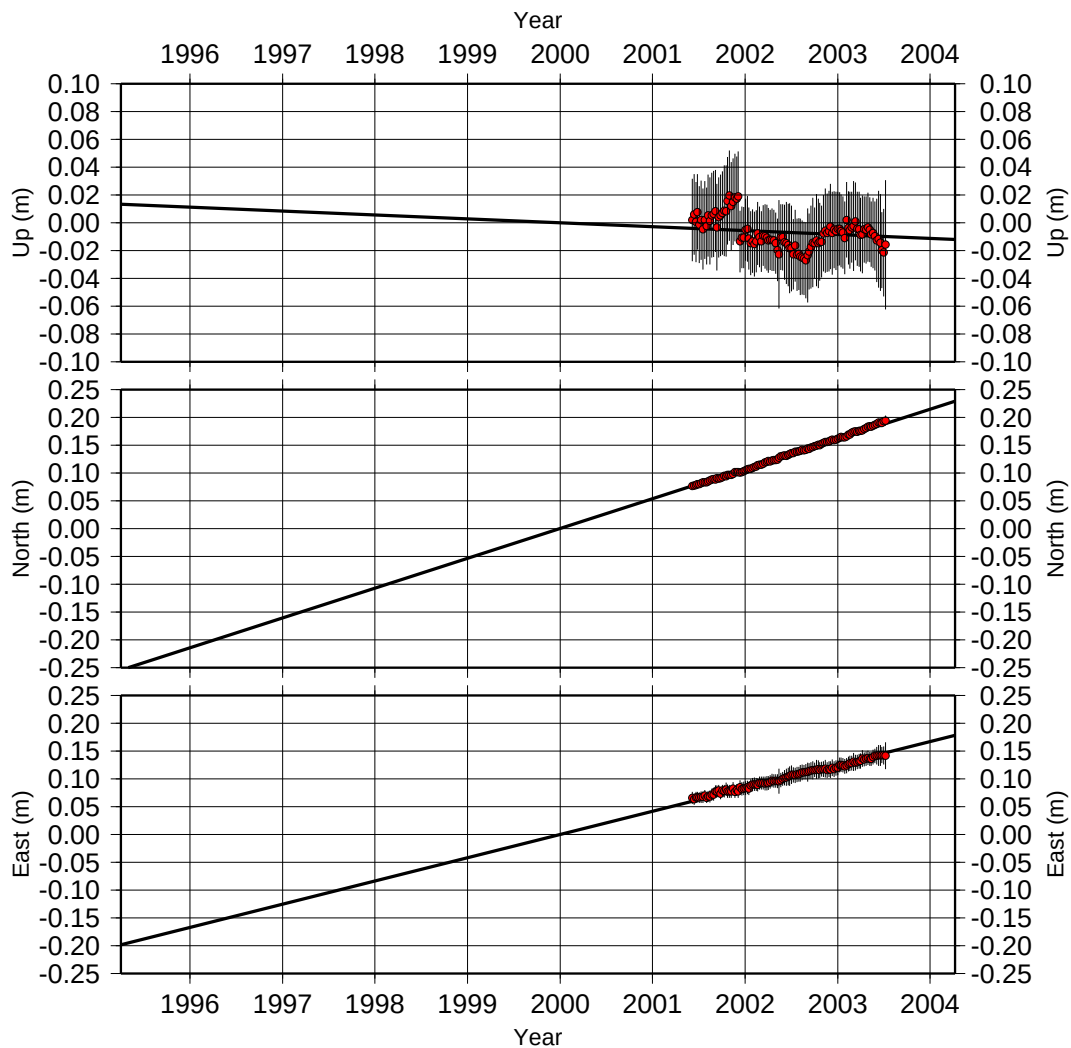


#SOLUTIONS=271 YAR1_50107M004 AT 2000:01:01

POS XYZ	-2389025.6863	5043316.9049	-3078530.5880	M
+/- ENU	0.0018	0.0014	0.0030	M
RMS ENU	0.0041	0.0027	0.0086	M
VEL XYZ	-0.0460	0.0034	0.0505	M/YR
VEL ENU	0.0401	0.0552	-0.0046	M/YR
+/- ENU	0.0006	0.0003	0.0015	M/YR

5.28 Yaragadee, Australia (YAR2)

YAR2_50107M004 AT 2000:01:01

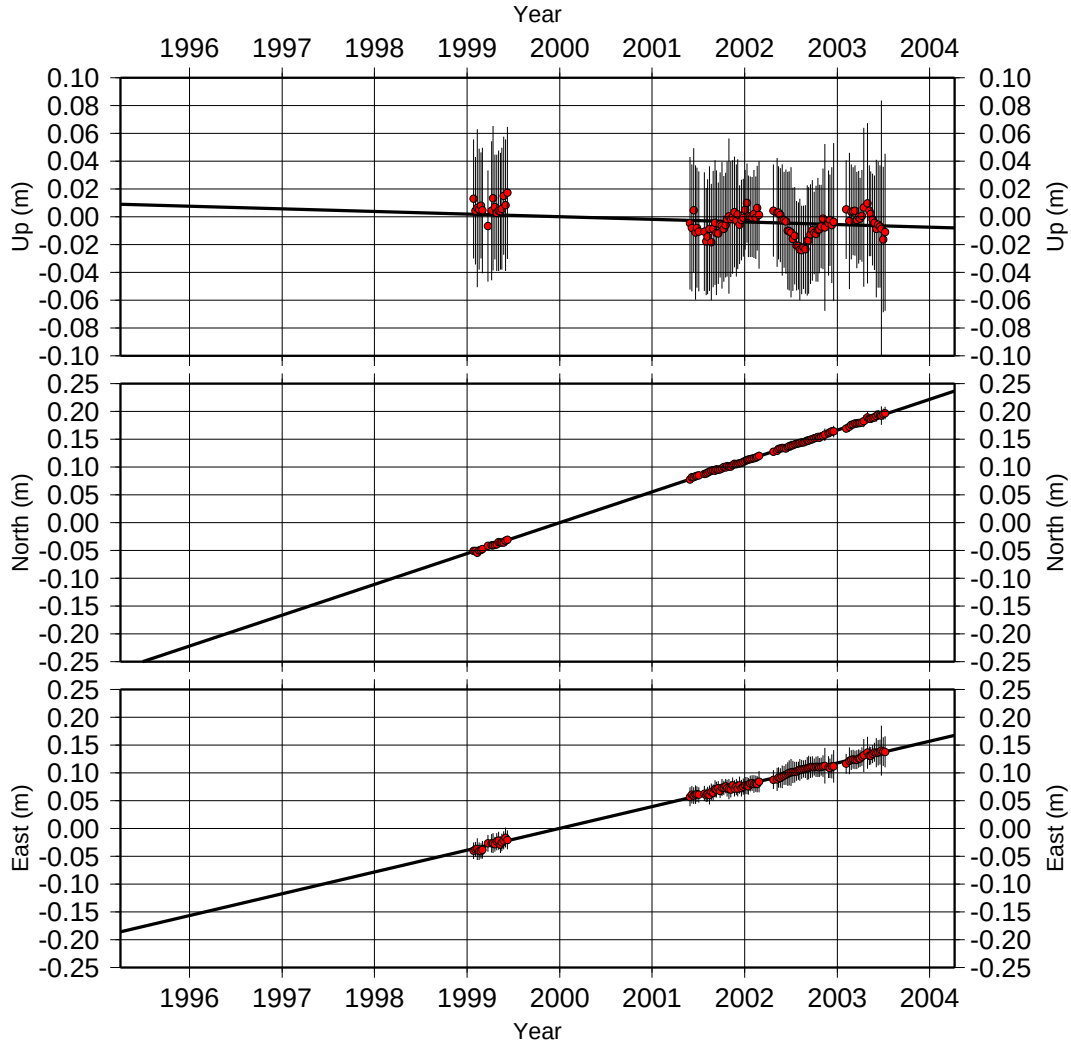


#SOLUTIONS=110 YAR2_50107M004 AT 2000:01:01

POS XYZ	-2389025.6783	5043316.9093	-3078530.5835	M
+/- ENU	0.0019	0.0014	0.0028	M
RMS ENU	0.0031	0.0021	0.0098	M
VEL XYZ	-0.0479	0.0034	0.0483	M/YR
VEL ENU	0.0418	0.0536	-0.0028	M/YR
+/- ENU	0.0001	0.0001	0.0001	M/YR

5.29 Yaragadee, Australia (GPS-GLONASS receiver)

YARR_50107M006 AT 2000:01:01



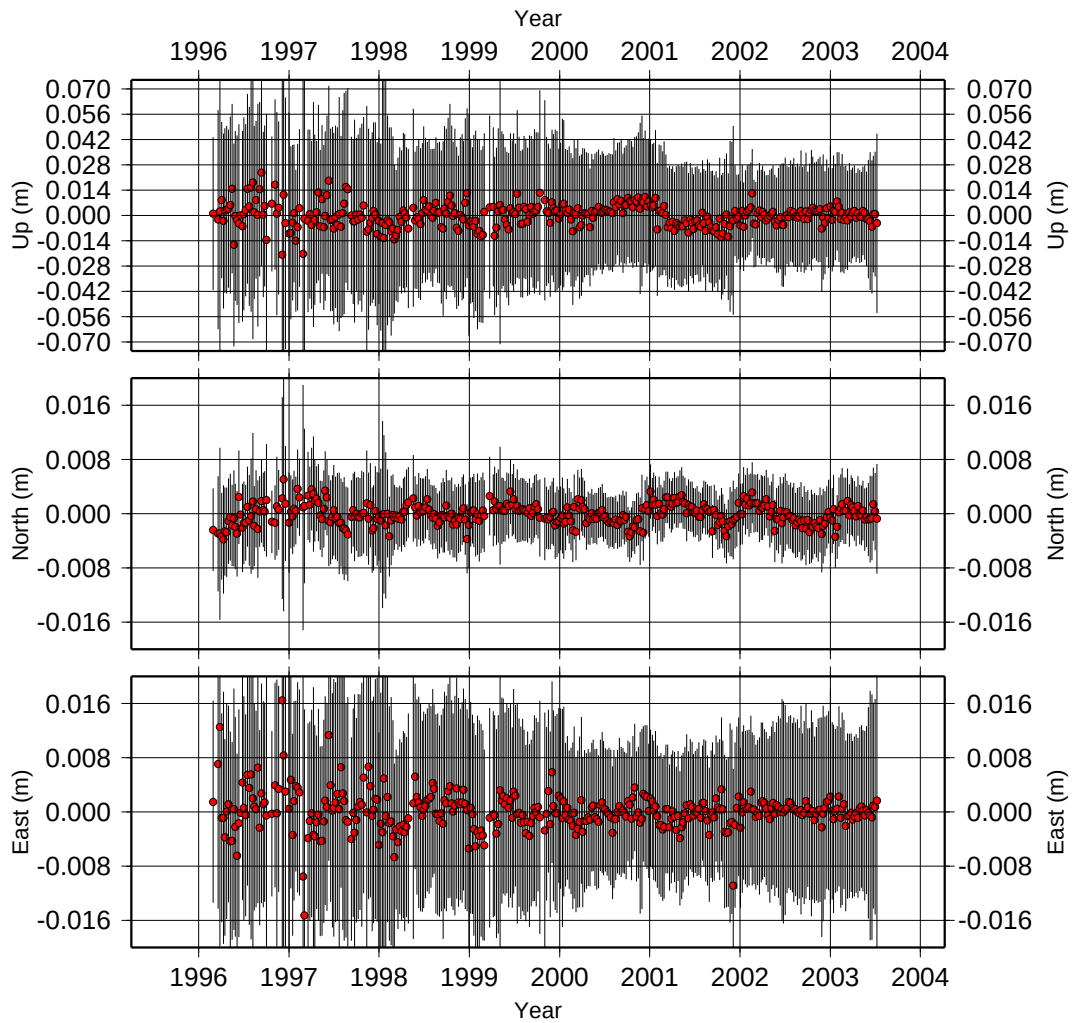
#SOLUTIONS=109 YARR_50107M006 AT 2000:01:01

POS XYZ	-2389024.6415	5043315.3780	-3078534.0028	M
+/- ENU	0.0028	0.0016	0.0072	M
RMS ENU	0.0030	0.0014	0.0080	M
VEL XYZ	-0.0463	0.0061	0.0494	M/YR
VEL ENU	0.0392	0.0555	-0.0019	M/YR
+/- ENU	0.0012	0.0004	0.0030	M/YR

6 GPS Time Series after Trend Removal

6.1 Alice Springs, Australia

TREND OFF ALIC_50137M001 AT 2000:01:01

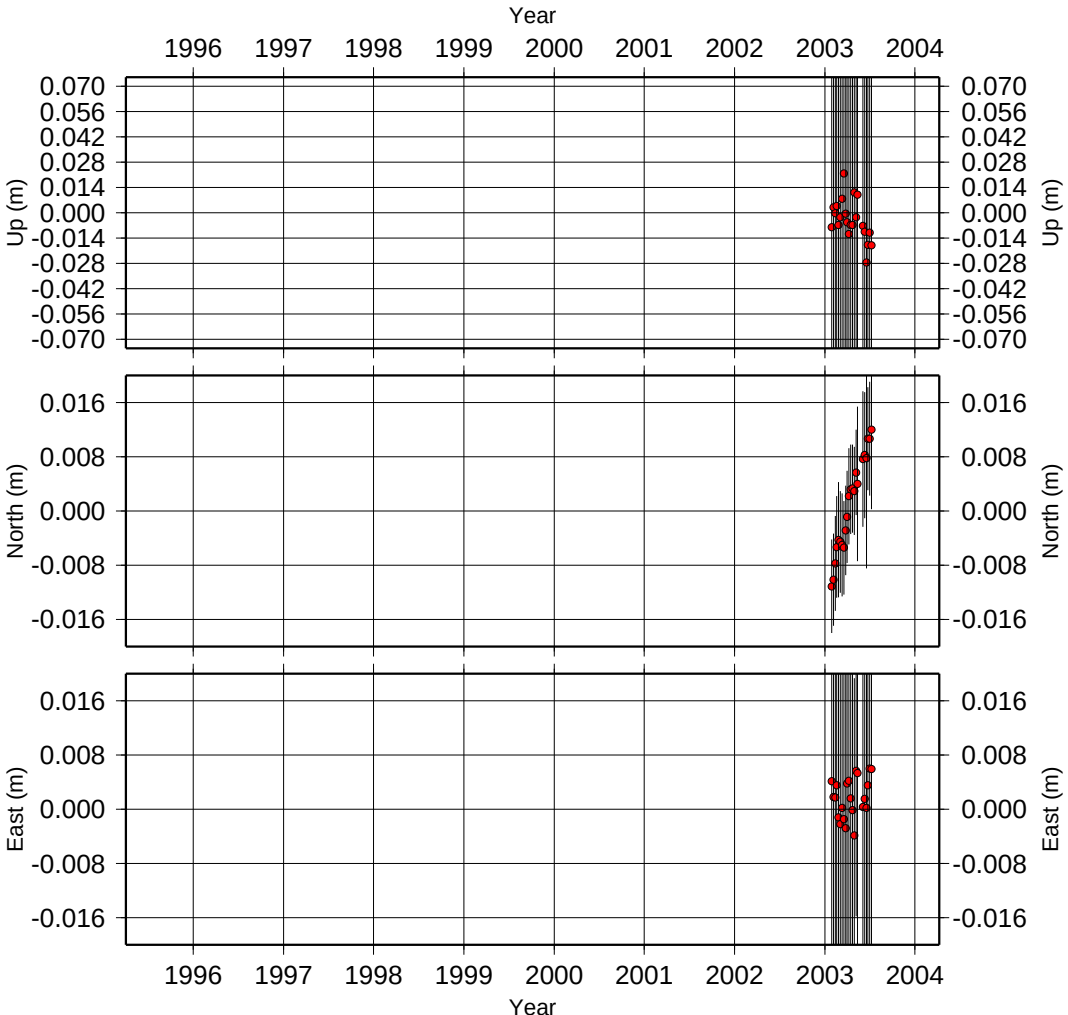


#SOLUTIONS=367 TREND OFF ALIC_50137M001 AT 2000:01:01

POS	XYZ	-4052051.9624	4212836.1007	-2545105.6837	M
+/-	ENU	0.0015	0.0013	0.0023	M
RMS	ENU	0.0027	0.0015	0.0062	M
VEL	XYZ	-0.0399	-0.0047	0.0516	M/YR
VEL	ENU	0.0321	0.0570	0.0015	M/YR
+/-	ENU	0.0004	0.0002	0.0010	M/YR

6.2 Brisbane, Australia

TREND OFF SUNM_50143M001 AT 2000:01:01

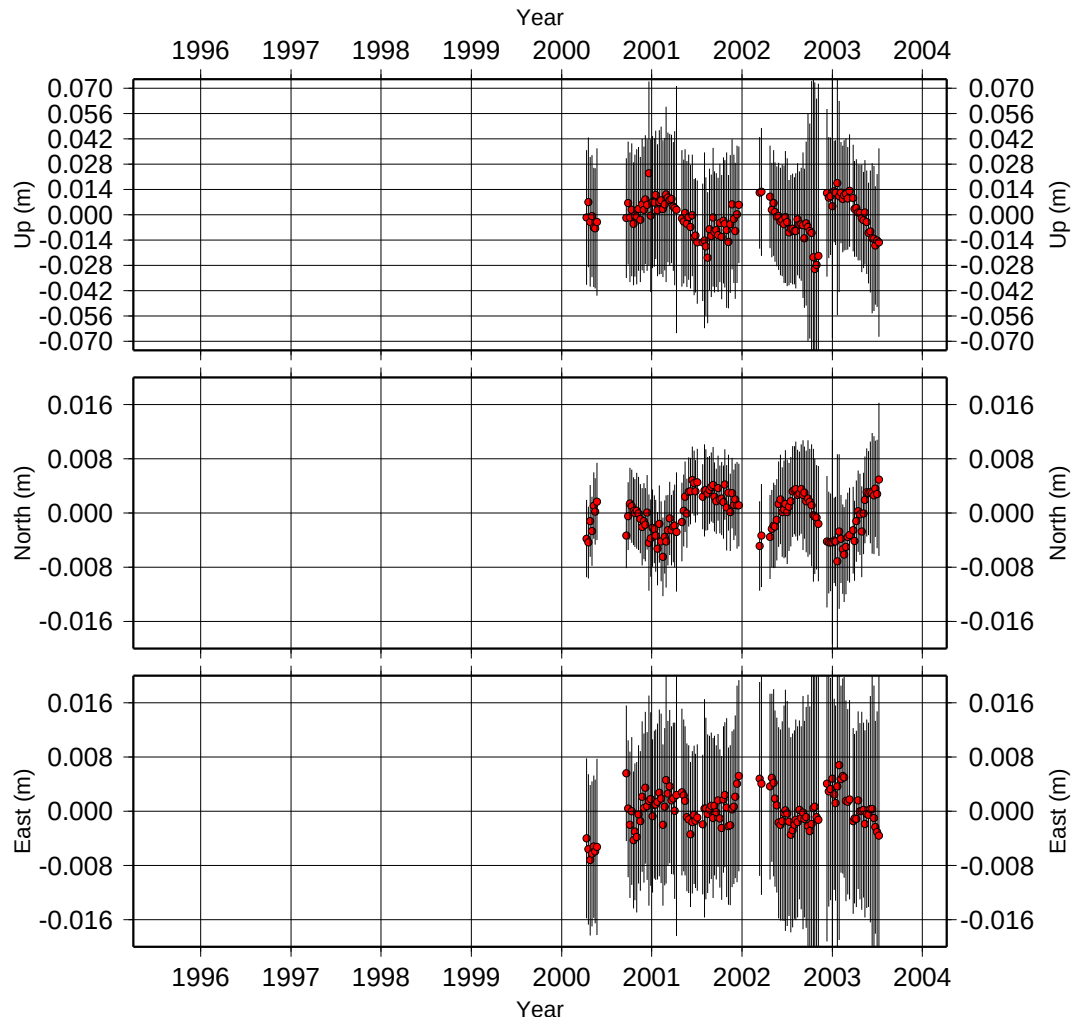


#SOLUTIONS=22 TREND OFF SUNM_50143M001 AT 2000:01:01

POS XYZ	-5046793.9229	2567554.6783	-2926027.9058	M
+/- ENU	0.0058	0.0021	0.0243	M
RMS ENU	0.0034	0.0069	0.0113	M
VEL XYZ	-0.0000	0.0000	0.0000	M/YR
VEL ENU	0.0000	0.0000	-0.0000	M/YR
+/- ENU	0.0001	0.0001	0.0001	M/YR

6.3 Burnie, Tasmania, Australia

TREND OFF BUR1_50144M001 AT 2000:01:01

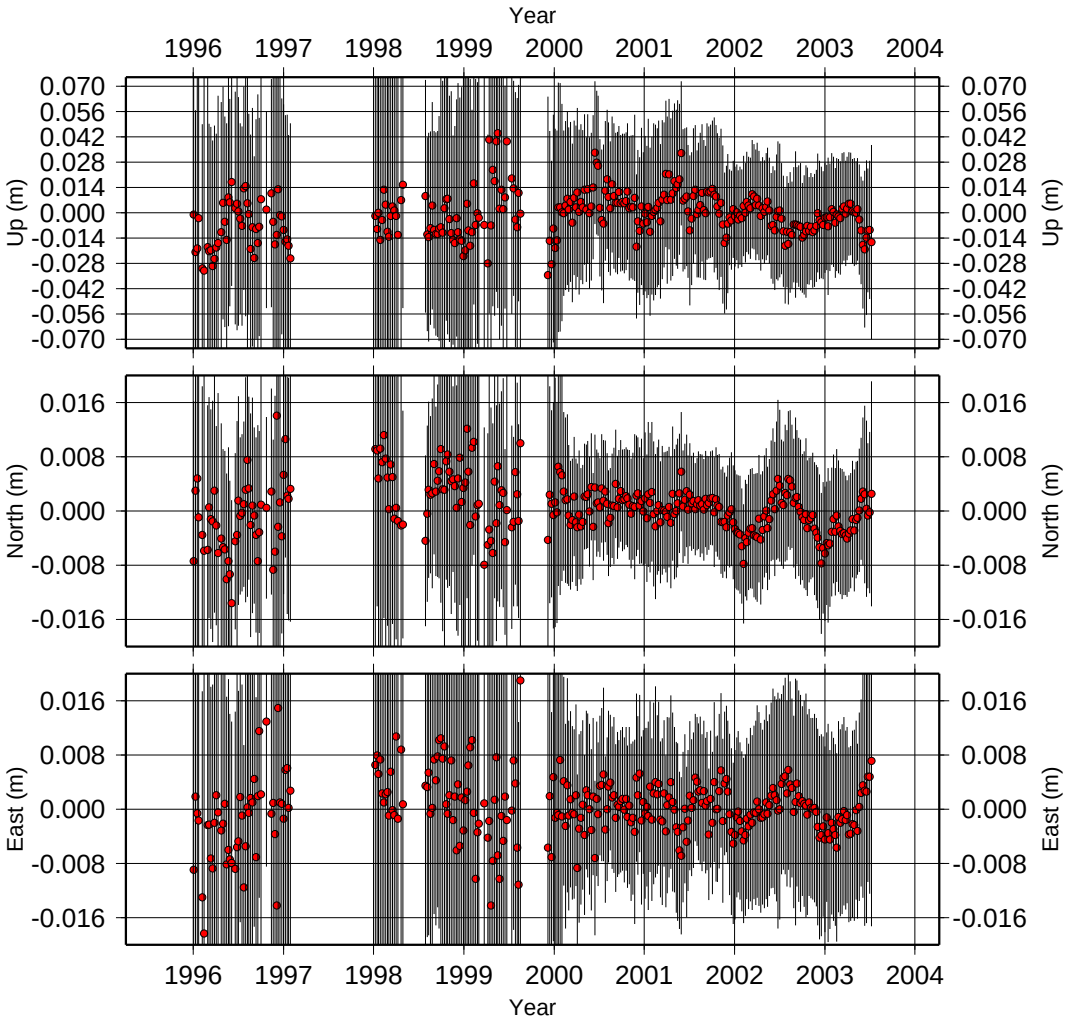


#SOLUTIONS=130 TREND OFF BUR1_50144M001 AT 2000:01:01

POS XYZ	-3989419.7360	2699532.9040	-4166619.7932	M
+/- ENU	0.0027	0.0017	0.0073	M
RMS ENU	0.0027	0.0029	0.0097	M
VEL XYZ	-0.0429	0.0098	0.0366	M/YR
VEL ENU	0.0159	0.0545	0.0069	M/YR
+/- ENU	0.0012	0.0005	0.0032	M/YR

6.4 Casey Station, Antarctica

TREND OFF CAS1_66011M001 AT 2000:01:01

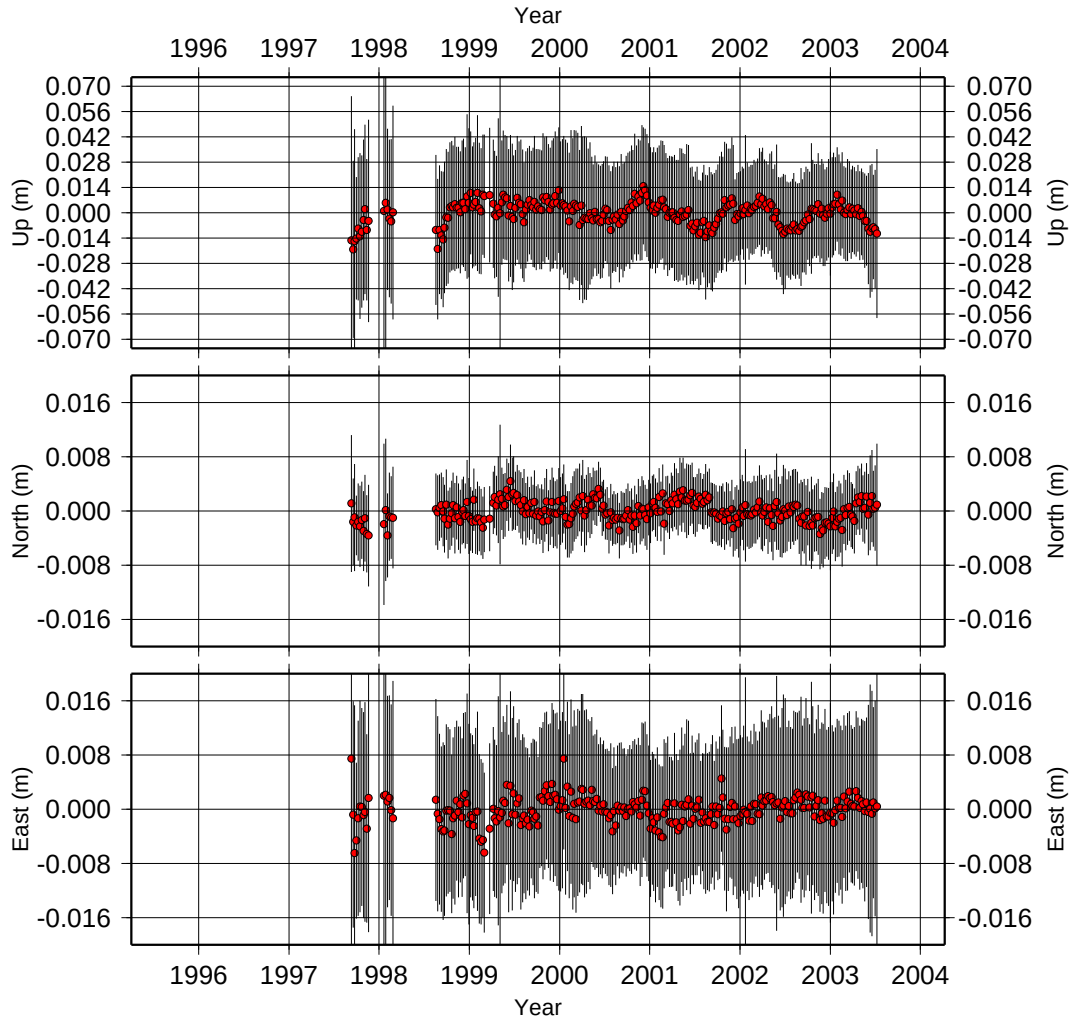


#SOLUTIONS=304 TREND OFF CAS1_66011M001 AT 2000:01:01

POS XYZ	-901776.1614	2409383.3920	-5816748.4336	M
+/- ENU	0.0018	0.0015	0.0033	M
RMS ENU	0.0046	0.0039	0.0122	M
VEL XYZ	0.0004	-0.0085	-0.0057	M/YR
VEL ENU	0.0026	-0.0097	0.0020	M/YR
+/- ENU	0.0006	0.0004	0.0014	M/YR

6.5 Ceduna, Australia

TREND OFF CEDU_50138M001 AT 2000:01:01

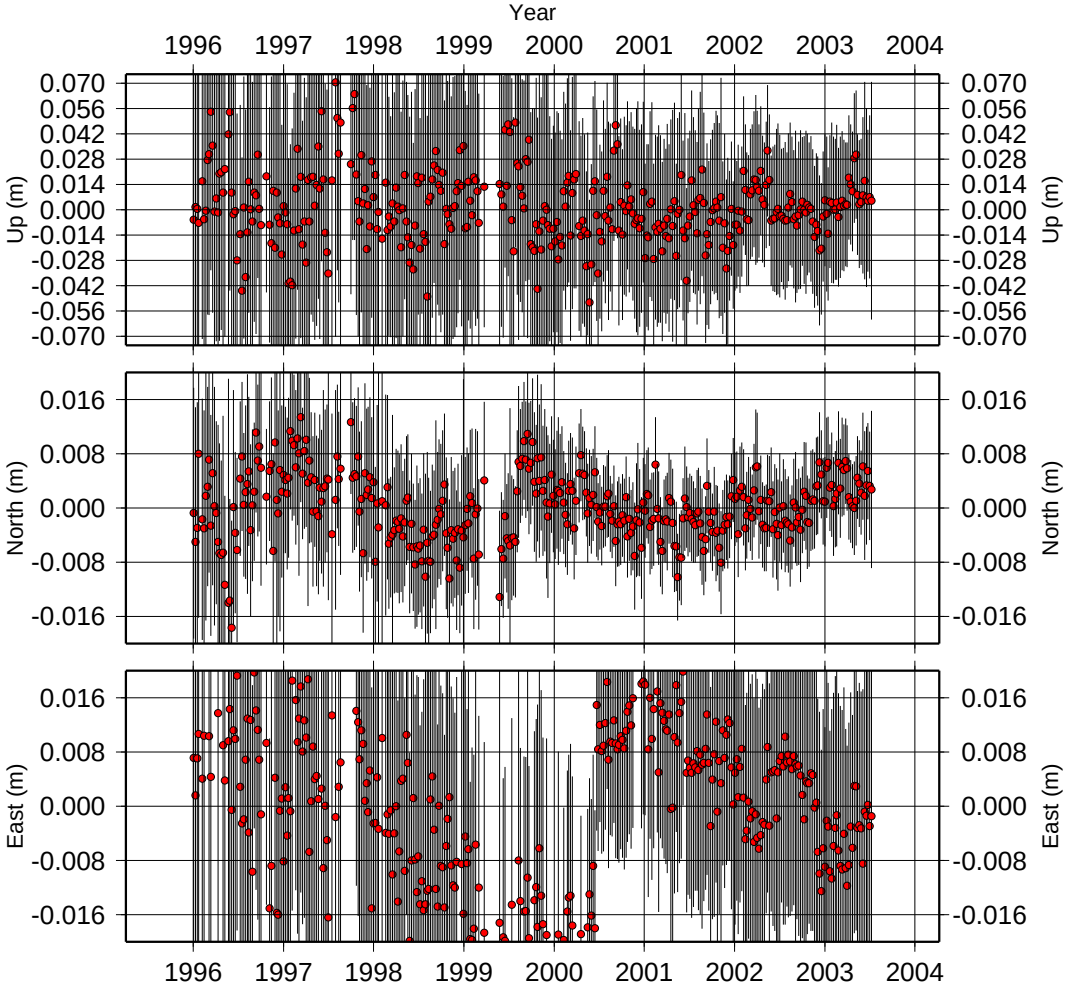


#SOLUTIONS=270 TREND OFF CEDU_50138M001 AT 2000:01:01

POS XYZ	-3753472.3739	3912741.0064	-3347960.7219	M
+/- ENU	0.0016	0.0014	0.0027	M
RMS ENU	0.0019	0.0014	0.0062	M
VEL XYZ	-0.0417	0.0008	0.0489	M/YR
VEL ENU	0.0296	0.0571	-0.0008	M/YR
+/- ENU	0.0005	0.0003	0.0013	M/YR

6.6 Cocos Island, Australia

TREND OFF COCO_50127M001 AT 2000:01:01

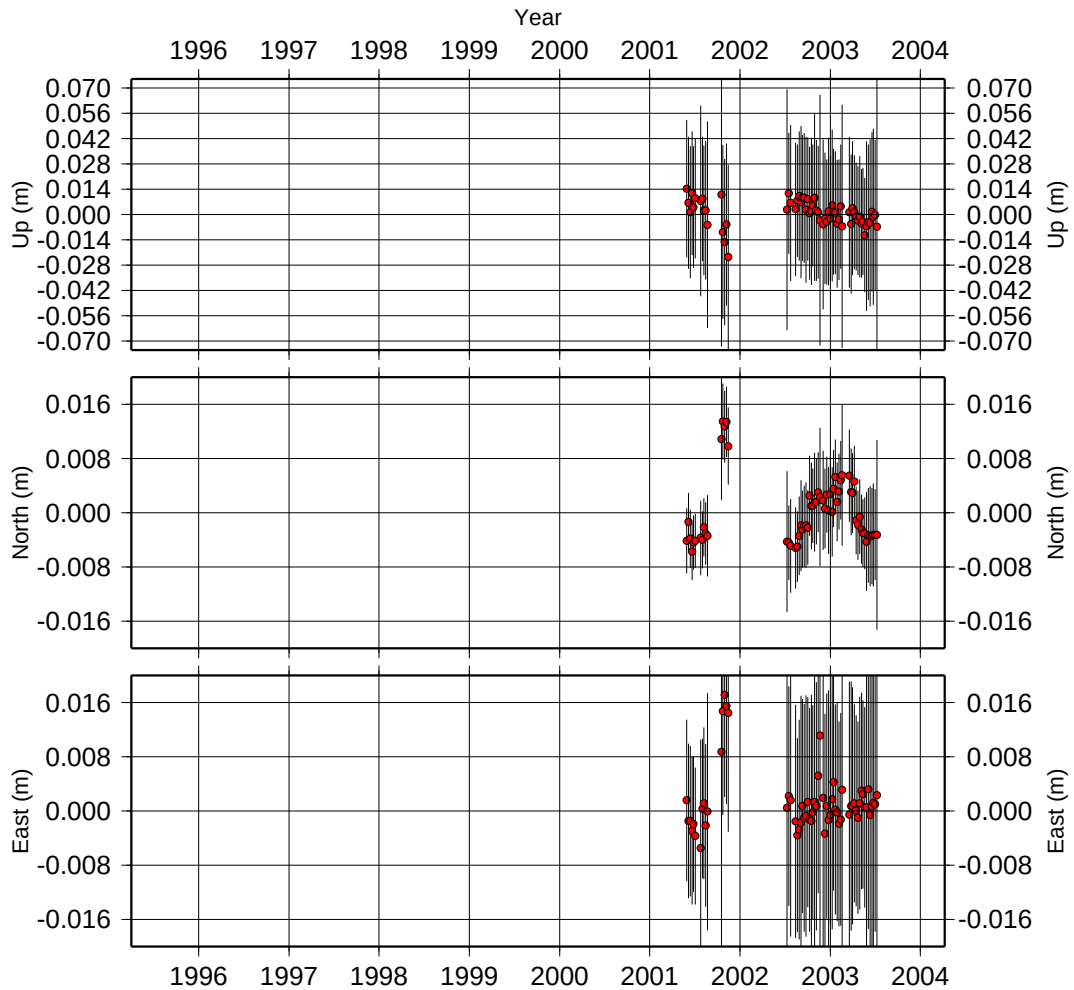


#SOLUTIONS=367 TREND OFF COCO_50127M001 AT 2000:01:01

POS XYZ	-741950.1613	6190961.6297	-1337768.4379	M
+/- ENU	0.0018	0.0013	0.0035	M
RMS ENU	0.0132	0.0047	0.0189	M
VEL XYZ	-0.0521	0.0050	0.0449	M/YR
VEL ENU	0.0512	0.0462	0.0014	M/YR
+/- ENU	0.0007	0.0003	0.0015	M/YR

6.7 Darwin, Australia (GPS-GLONASS Receiver)

TREND OFF DARR_50134M001 AT 2000:01:01

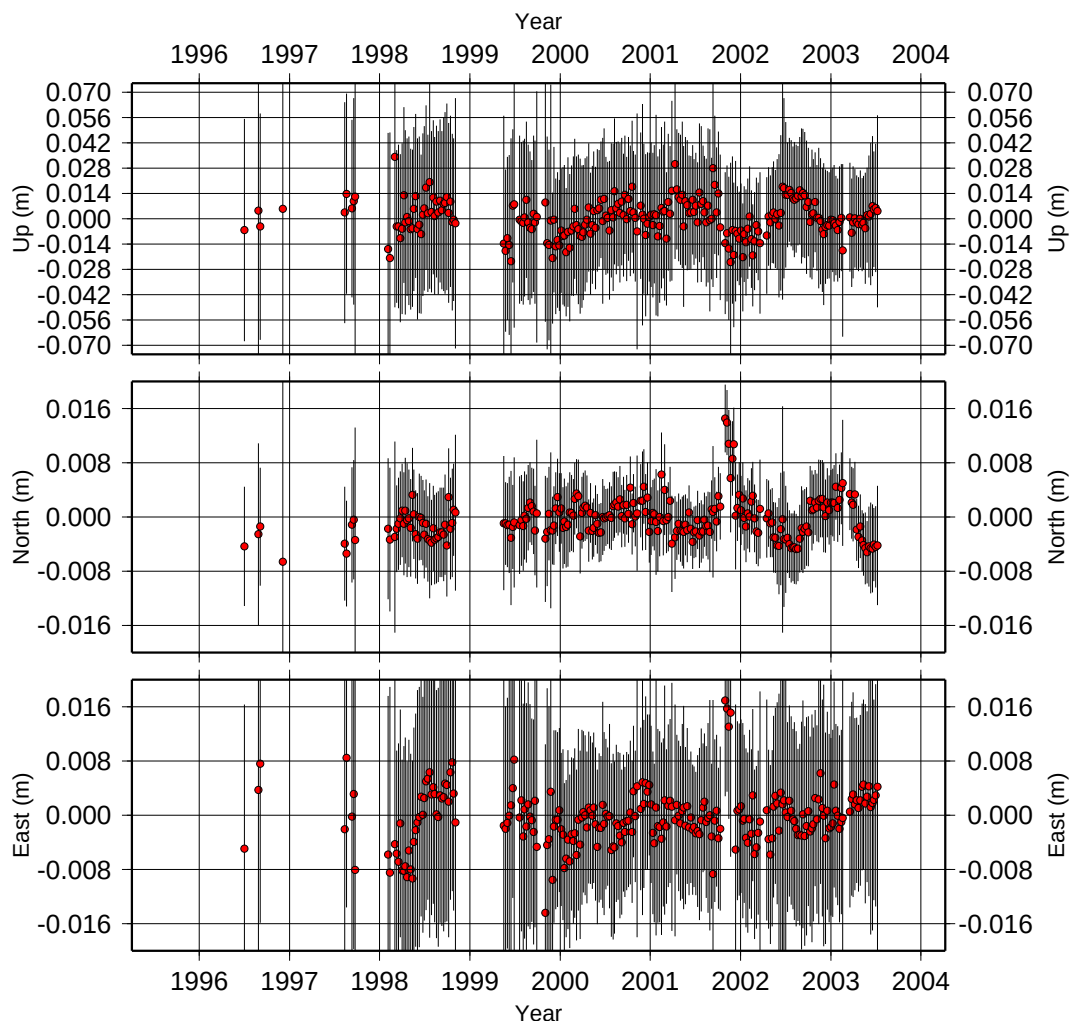


#SOLUTIONS=63 TREND OFF DARR_50134M001 AT 2000:01:01

POS XYZ	-4091358.9012	4684606.6955	-1408580.2861	M
+/- ENU	0.0067	0.0024	0.0198	M
RMS ENU	0.0047	0.0047	0.0069	M
VEL XYZ	-0.0398	-0.0085	0.0509	M/YR
VEL ENU	0.0356	0.0540	0.0080	M/YR
+/- ENU	0.0026	0.0008	0.0071	M/YR

6.8 Darwin, Australia

TREND OFF DARW_50134M001 AT 2000:01:01

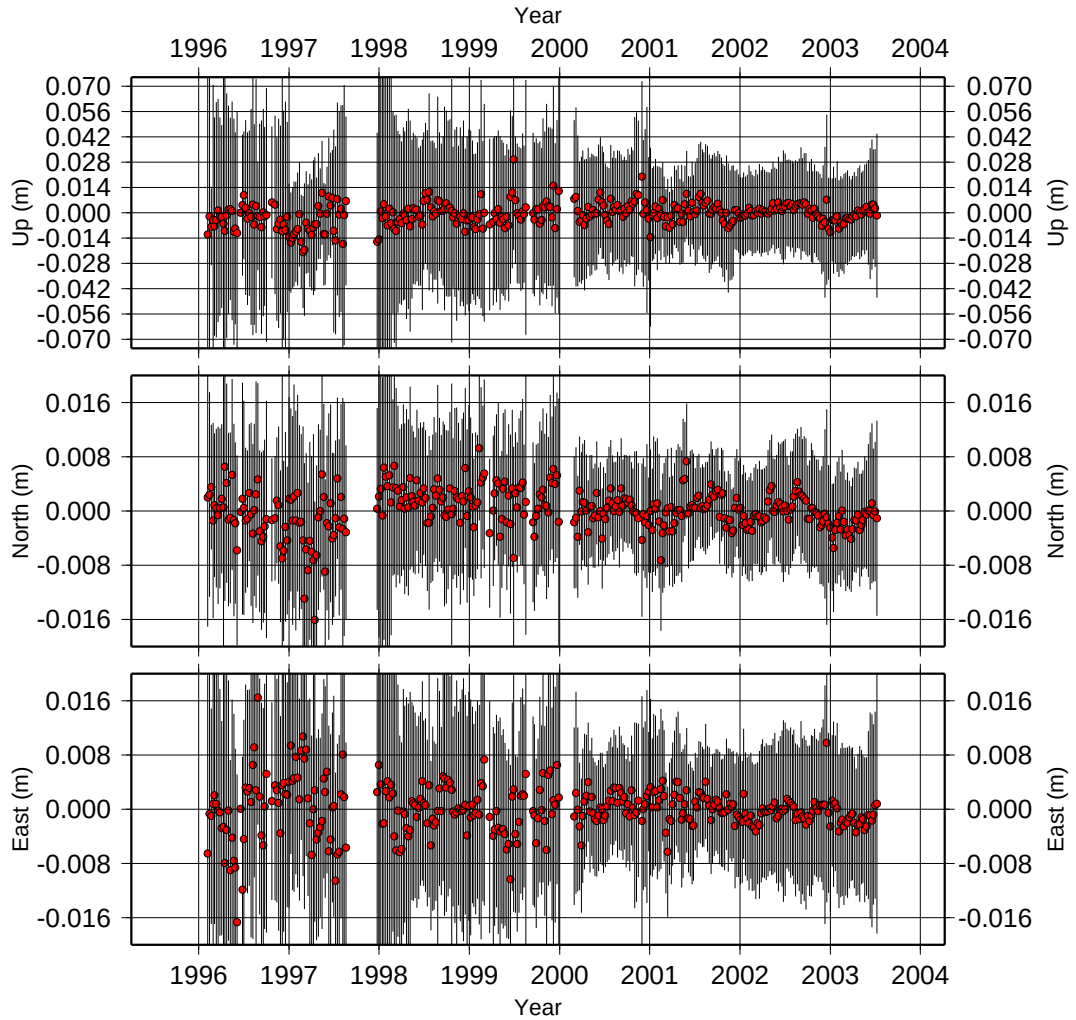


#SOLUTIONS=248 TREND OFF DARW_50134M001 AT 2000:01:01

POS XYZ	-4091358.9127	4684606.7102	-1408580.2951	M
+/- ENU	0.0018	0.0013	0.0033	M
RMS ENU	0.0050	0.0029	0.0096	M
VEL XYZ	-0.0350	-0.0137	0.0543	M/YR
VEL ENU	0.0354	0.0558	0.0003	M/YR
+/- ENU	0.0007	0.0003	0.0015	M/YR

6.9 Davis Station, Antarctica

TREND OFF DAV1_66010M001 AT 2000:01:01

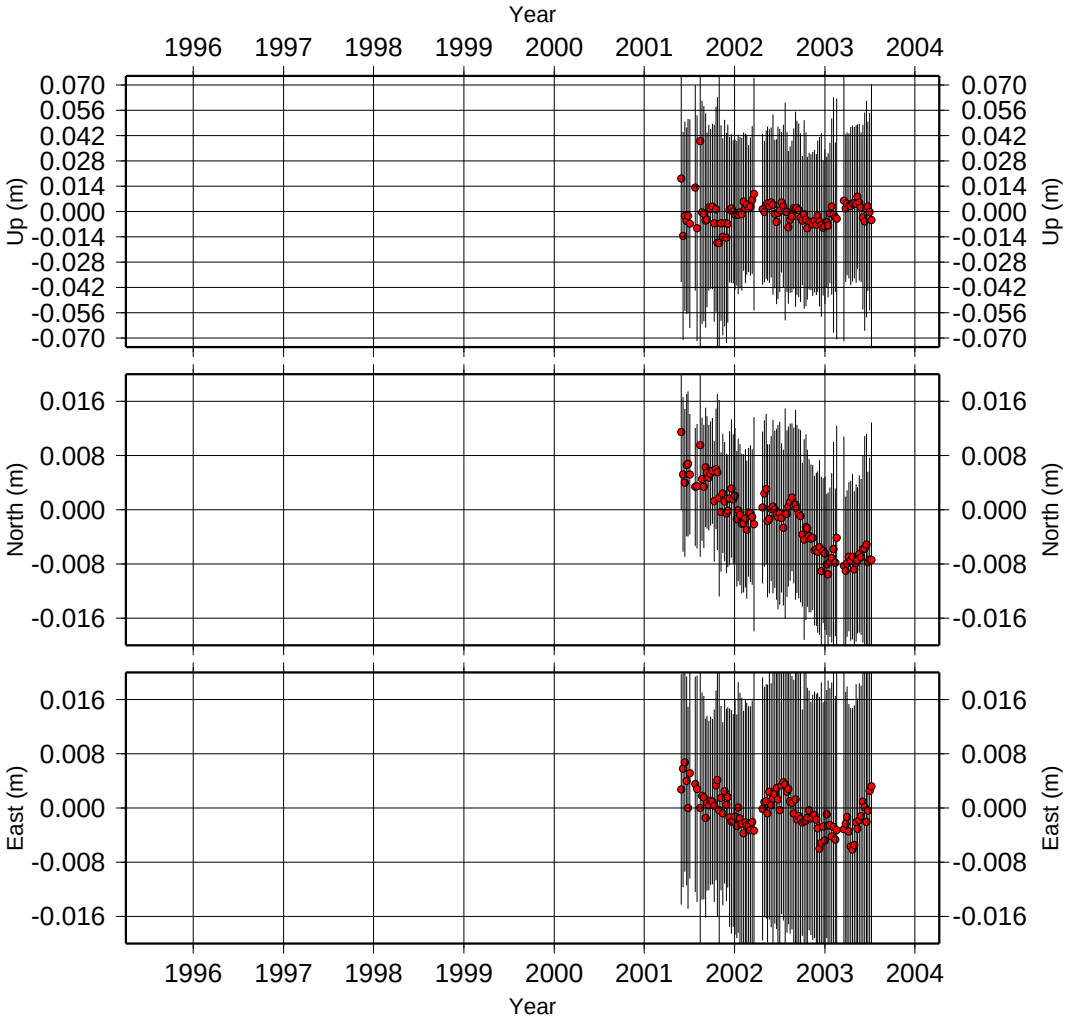


#SOLUTIONS=352 TREND OFF DAV1_66010M001 AT 2000:01:01

POS XYZ	486854.5461	2285099.2886	-5914955.6911	M
+/- ENU	0.0016	0.0016	0.0025	M
RMS ENU	0.0035	0.0030	0.0062	M
VEL XYZ	0.0000	-0.0039	-0.0054	M/YR
VEL ENU	-0.0009	-0.0055	0.0036	M/YR
+/- ENU	0.0004	0.0003	0.0011	M/YR

6.10 Davis Station, Antarctica (GPS-GLONASS receiver)

TREND OFF DAVR_66010M001 AT 2000:01:01

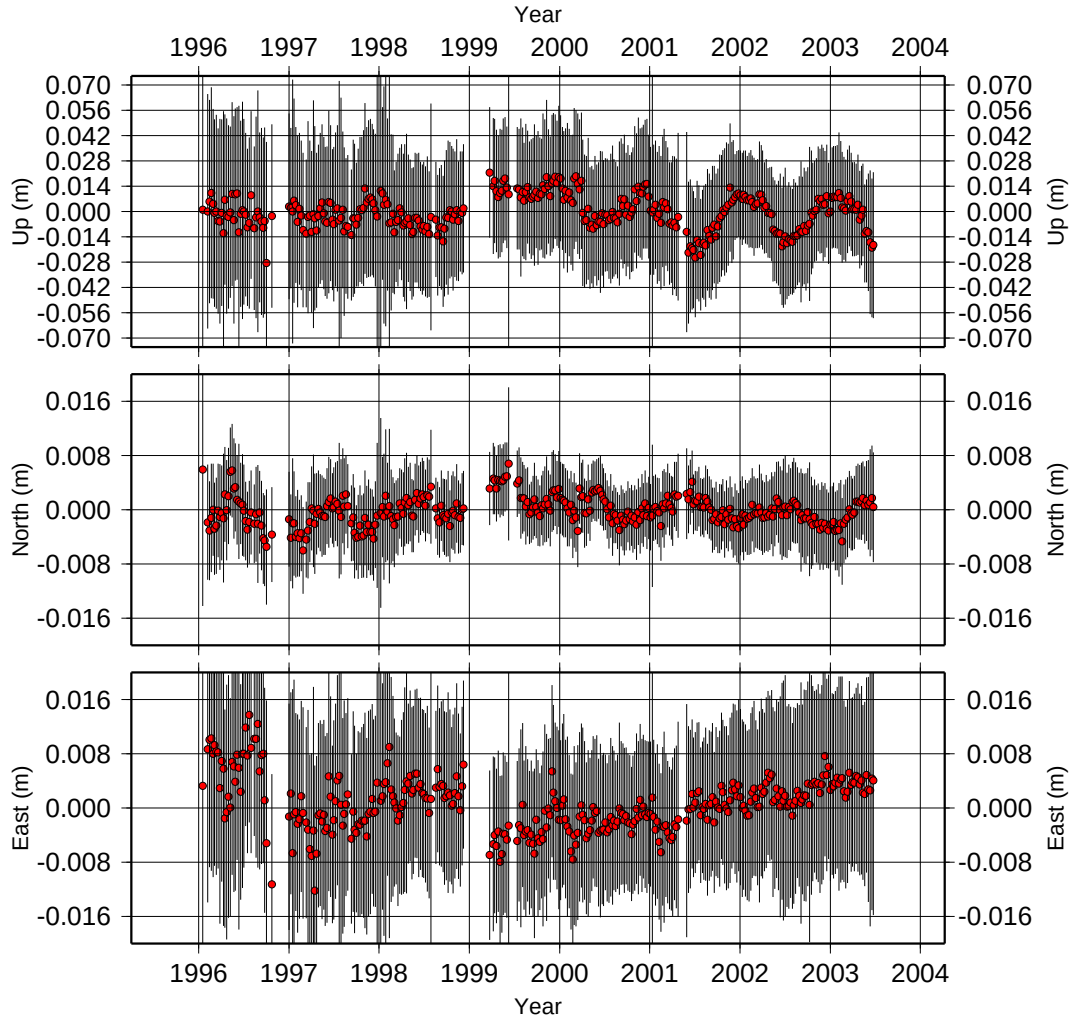


#SOLUTIONS=101 TREND OFF DAVR_66010M001 AT 2000:01:01

POS XYZ	486854.5449	2285099.2785	-5914955.6990	M
+/- ENU	0.0023	0.0018	0.0046	M
RMS ENU	0.0027	0.0049	0.0071	M
VEL XYZ	-0.0000	-0.0000	-0.0000	M/YR
VEL ENU	-0.0000	-0.0000	0.0000	M/YR
+/- ENU	0.0001	0.0001	0.0001	M/YR

6.11 Salisbury (DSTO), Australia

TREND OFF AUST_50109S001 AT 2000:01:01

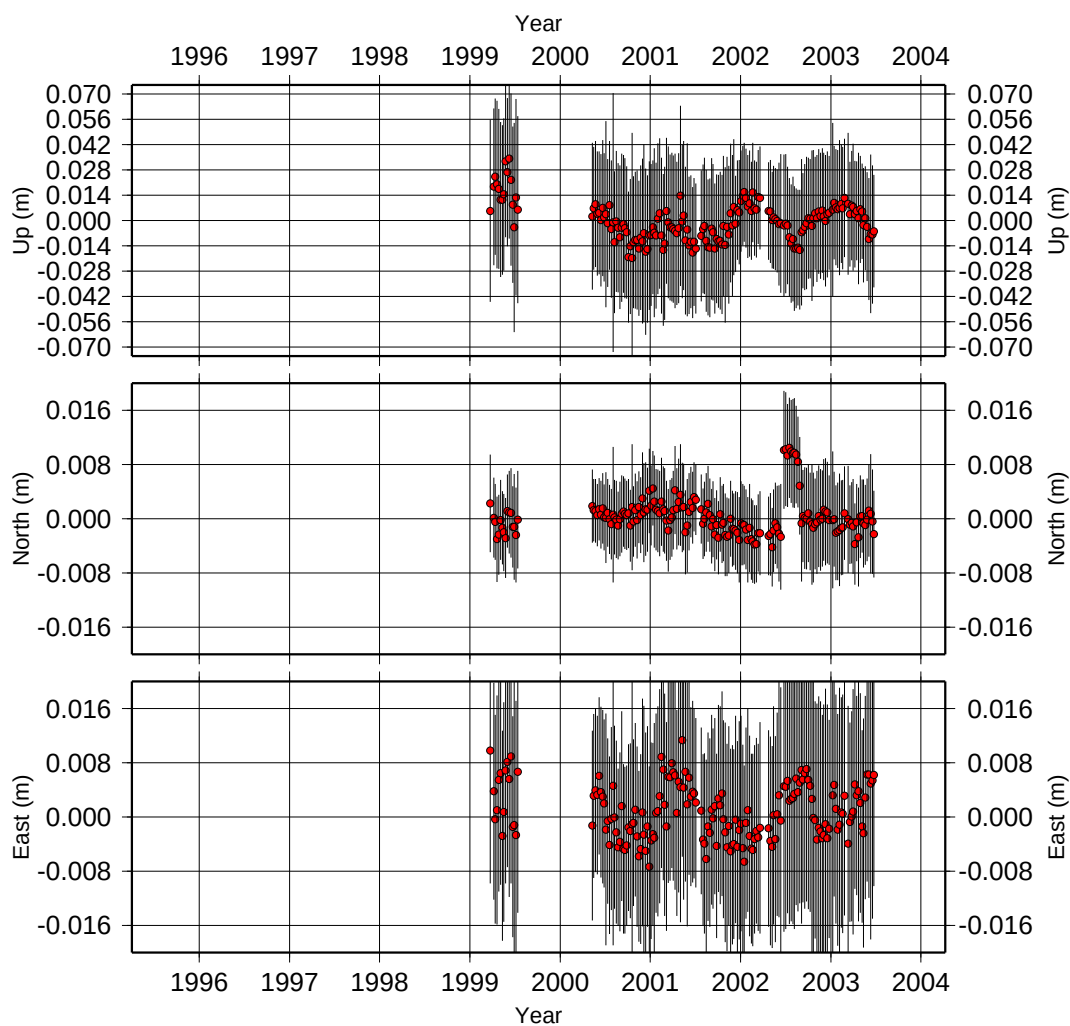


#SOLUTIONS=347 TREND OFF AUST_50109S001 AT 2000:01:01

POS XYZ	-3939182.0330	3467075.3087	-3613220.8114	M
+/- ENU	0.0015	0.0014	0.0022	M
RMS ENU	0.0039	0.0020	0.0093	M
VEL XYZ	-0.0419	0.0065	0.0450	M/YR
VEL ENU	0.0228	0.0574	0.0037	M/YR
+/- ENU	0.0004	0.0002	0.0009	M/YR

6.12 Hillarys (Tide Gauge), Australia

TREND OFF HIL1_50141S001 AT 2000:01:01

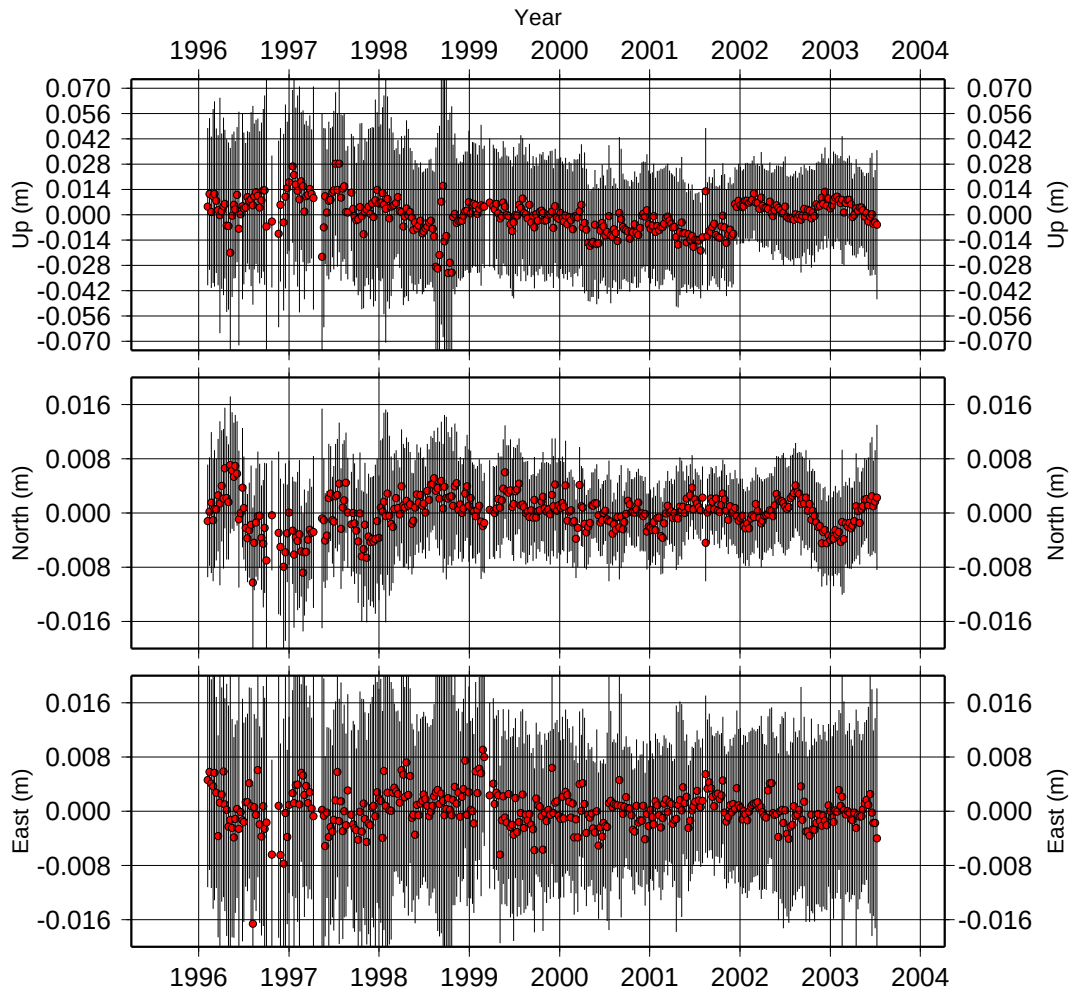


#SOLUTIONS=171 TREND OFF HIL1_50141S001 AT 2000:01:01

POS XYZ	-2355571.1694	4886093.0481	-3343994.6788	M
+/- ENU	0.0024	0.0015	0.0055	M
RMS ENU	0.0040	0.0028	0.0102	M
VEL XYZ	-0.0465	0.0044	0.0502	M/YR
VEL ENU	0.0400	0.0554	-0.0059	M/YR
+/- ENU	0.0011	0.0004	0.0025	M/YR

6.13 Hobart, Australia

TREND OFF HOB2_50116M004 AT 2000:01:01

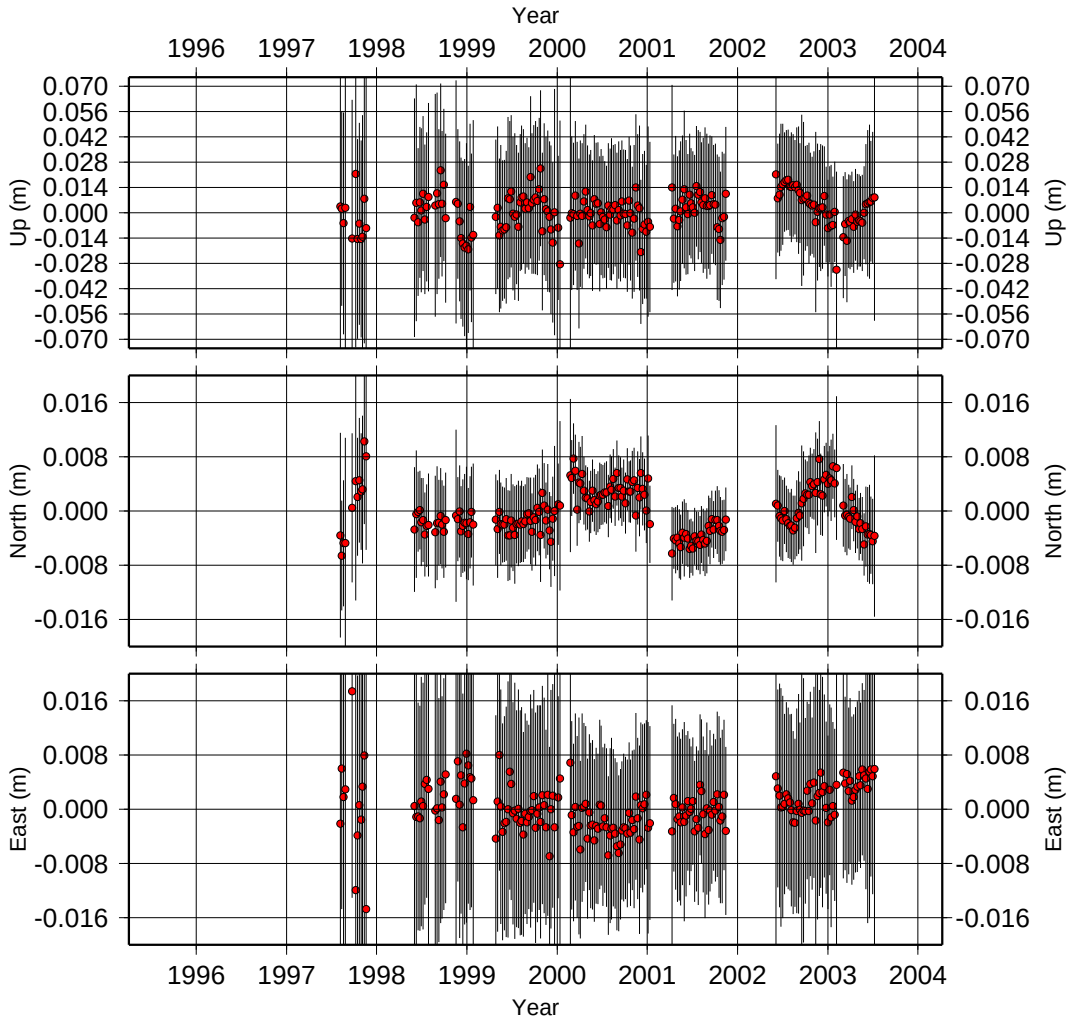


#SOLUTIONS=372 TREND OFF HOB2_50116M004 AT 2000:01:01

POS XYZ	-3950071.4790	2522415.2087	-4311638.2373	M
+/- ENU	0.0014	0.0014	0.0020	M
RMS ENU	0.0027	0.0026	0.0089	M
VEL XYZ	-0.0425	0.0102	0.0367	M/YR
VEL ENU	0.0143	0.0550	0.0053	M/YR
+/- ENU	0.0004	0.0002	0.0008	M/YR

6.14 Jabiru, Australia

TREND OFF JAB1_50136M001 AT 2000:01:01

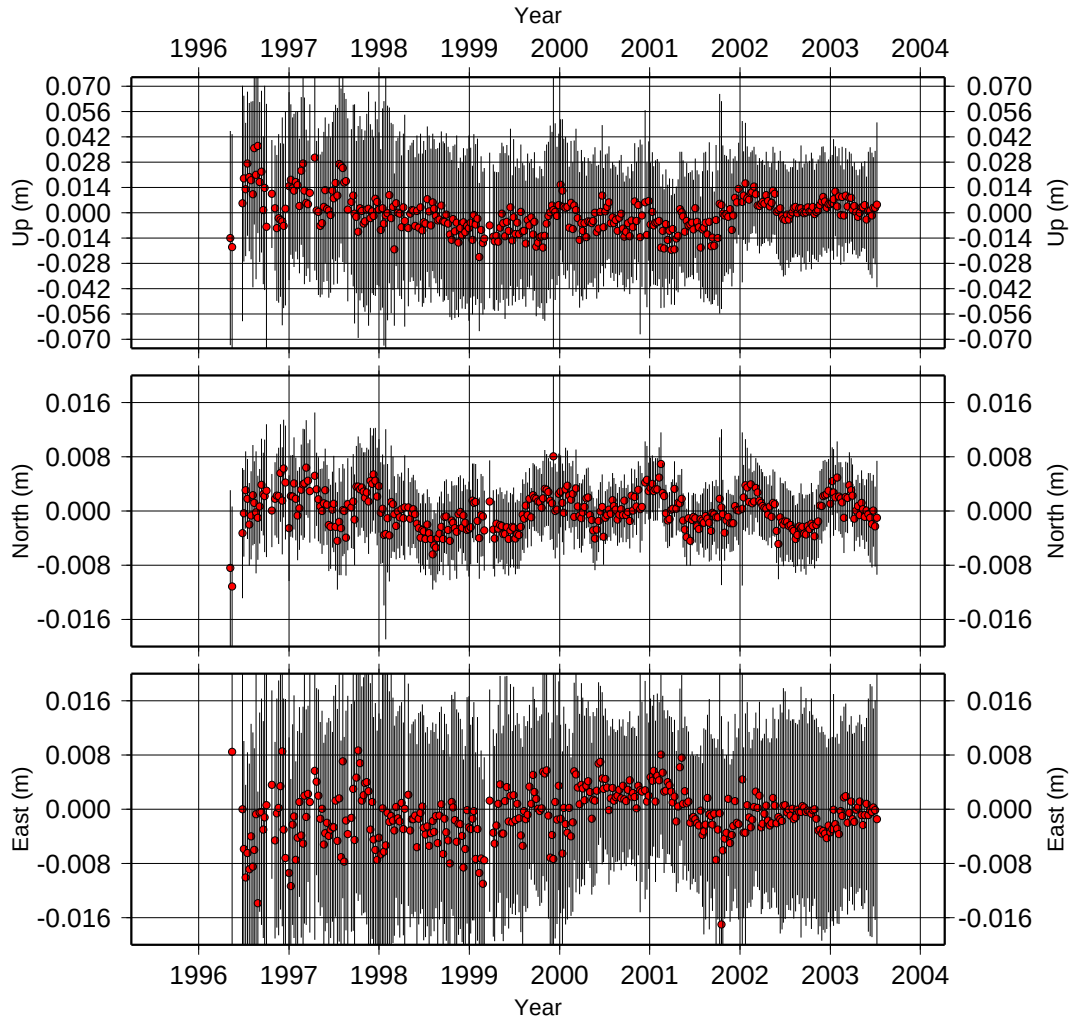


#SOLUTIONS=210 TREND OFF JAB1_50136M001 AT 2000:01:01

POS XYZ	-4236442.9077	4559929.5576	-1388624.4703	M
+/- ENU	0.0019	0.0013	0.0035	M
RMS ENU	0.0035	0.0032	0.0094	M
VEL XYZ	-0.0343	-0.0136	0.0551	M/YR
VEL ENU	0.0344	0.0567	0.0010	M/YR
+/- ENU	0.0007	0.0003	0.0016	M/YR

6.15 Karratha, Australia

TREND OFF KARR_50139M001 AT 2000:01:01

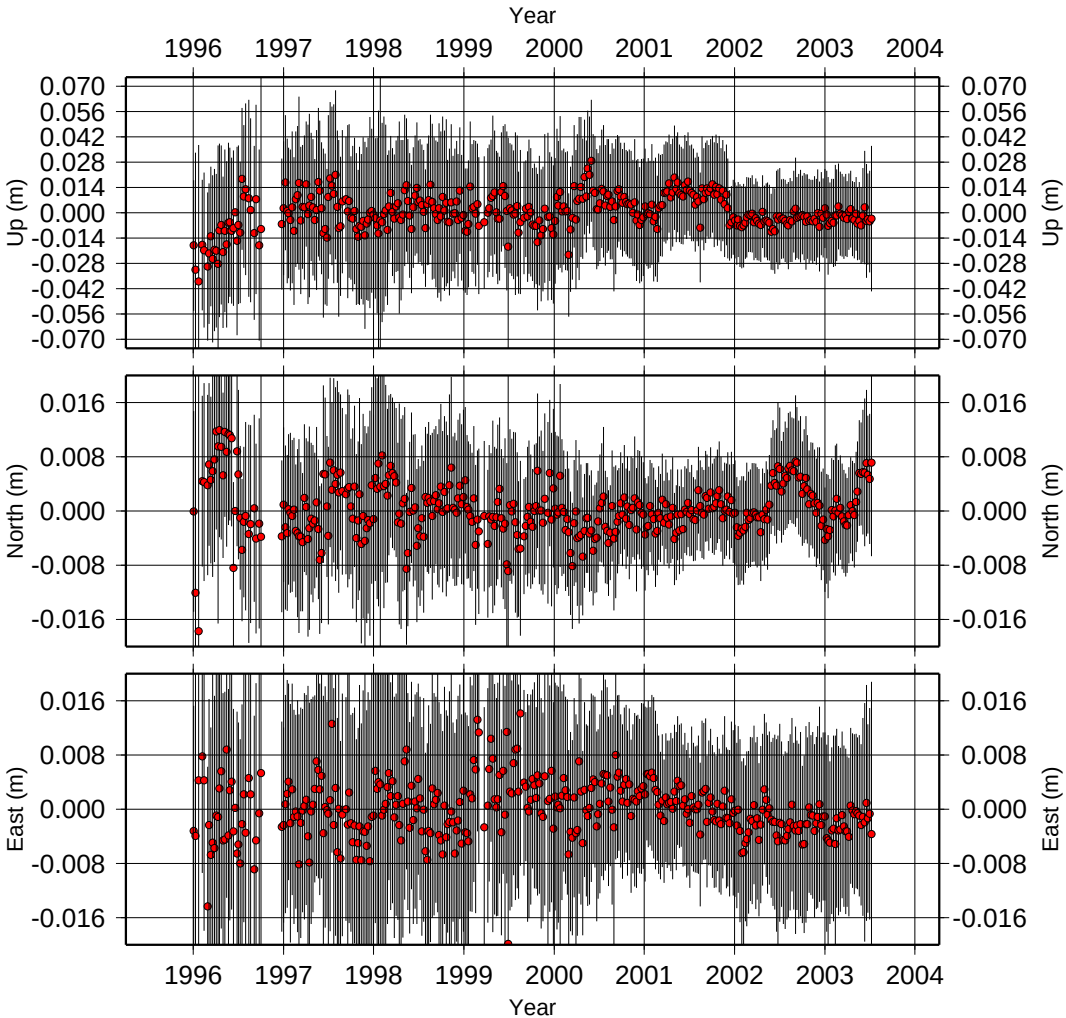


#SOLUTIONS=357 TREND OFF KARR_50139M001 AT 2000:01:01

POS XYZ	-2713832.3990	5303935.1005	-2269514.8539	M
+/- ENU	0.0016	0.0013	0.0024	M
RMS ENU	0.0039	0.0026	0.0098	M
VEL XYZ	-0.0445	0.0022	0.0512	M/YR
VEL ENU	0.0386	0.0558	0.0024	M/YR
+/- ENU	0.0005	0.0002	0.0010	M/YR

6.16 Macquarie Island, Sub-Antarctica

TREND OFF MAC1_50135M001 AT 2000:01:01

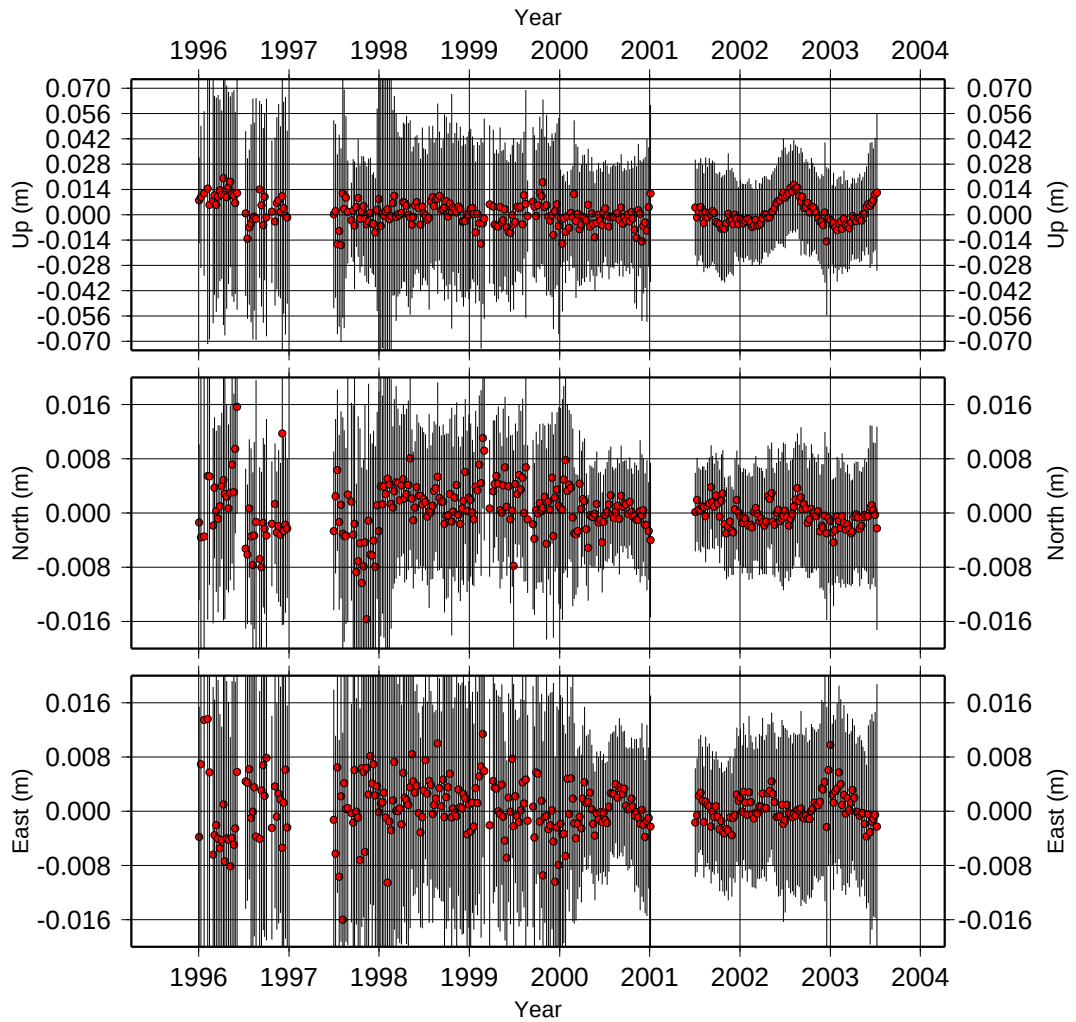


#SOLUTIONS=370 TREND OFF MAC1_50135M001 AT 2000:01:01

POS XYZ	-3464038.5629	1334172.8189	-5169224.2705	M
+/- ENU	0.0015	0.0015	0.0020	M
RMS ENU	0.0040	0.0038	0.0093	M
VEL XYZ	-0.0190	0.0188	0.0192	M/YR
VEL ENU	-0.0108	0.0311	-0.0014	M/YR
+/- ENU	0.0004	0.0003	0.0008	M/YR

6.17 Mawson Station, Antarctica

TREND OFF MAW1_66004M001 AT 2000:01:01

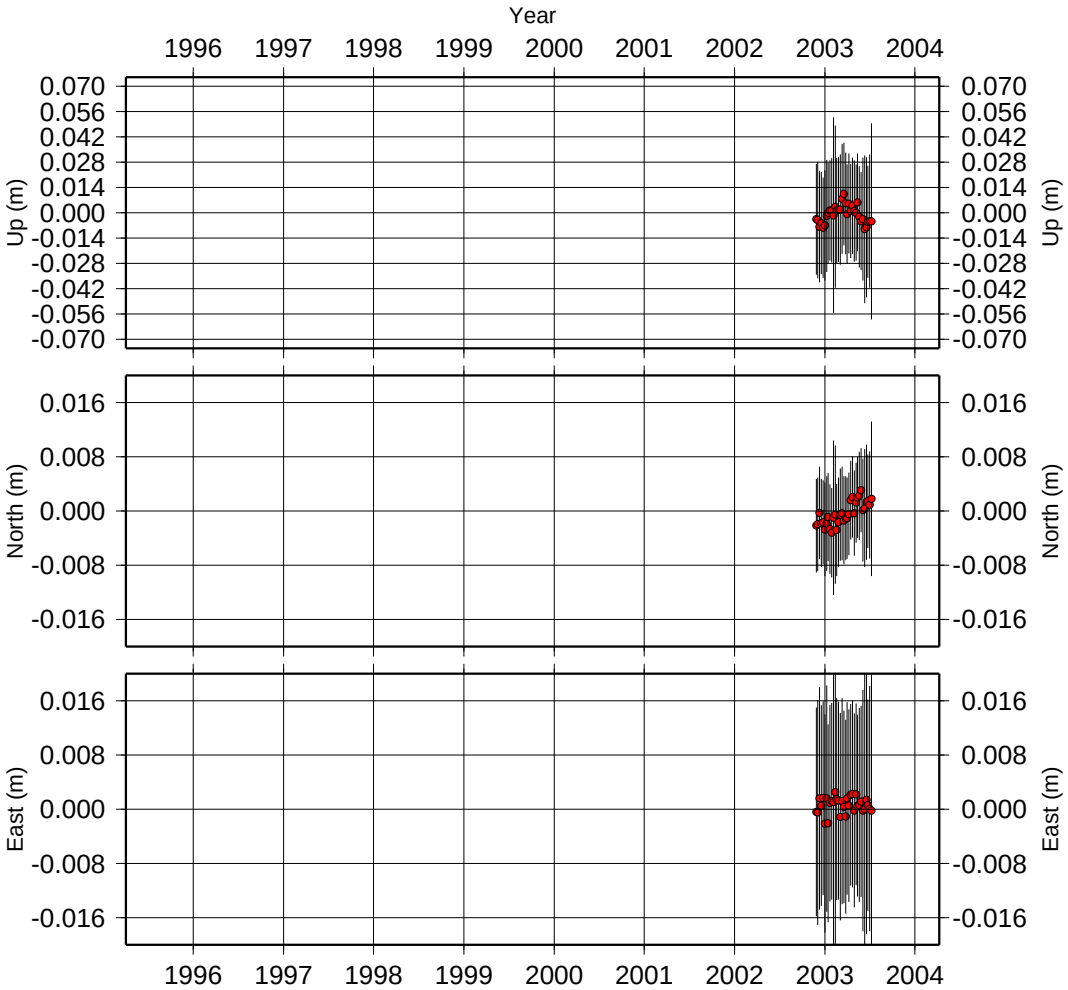


#SOLUTIONS=325 TREND OFF MAW1_66004M001 AT 2000:01:01

POS XYZ	1111287.1675	2168911.2693	-5874493.6008	M
+/- ENU	0.0016	0.0016	0.0025	M
RMS ENU	0.0037	0.0034	0.0066	M
VEL XYZ	0.0015	-0.0021	-0.0054	M/YR
VEL ENU	-0.0023	-0.0032	0.0045	M/YR
+/- ENU	0.0005	0.0004	0.0010	M/YR

6.18 Melbourne, Australia

TREND OFF MOBS_50182M001 AT 2000:01:01

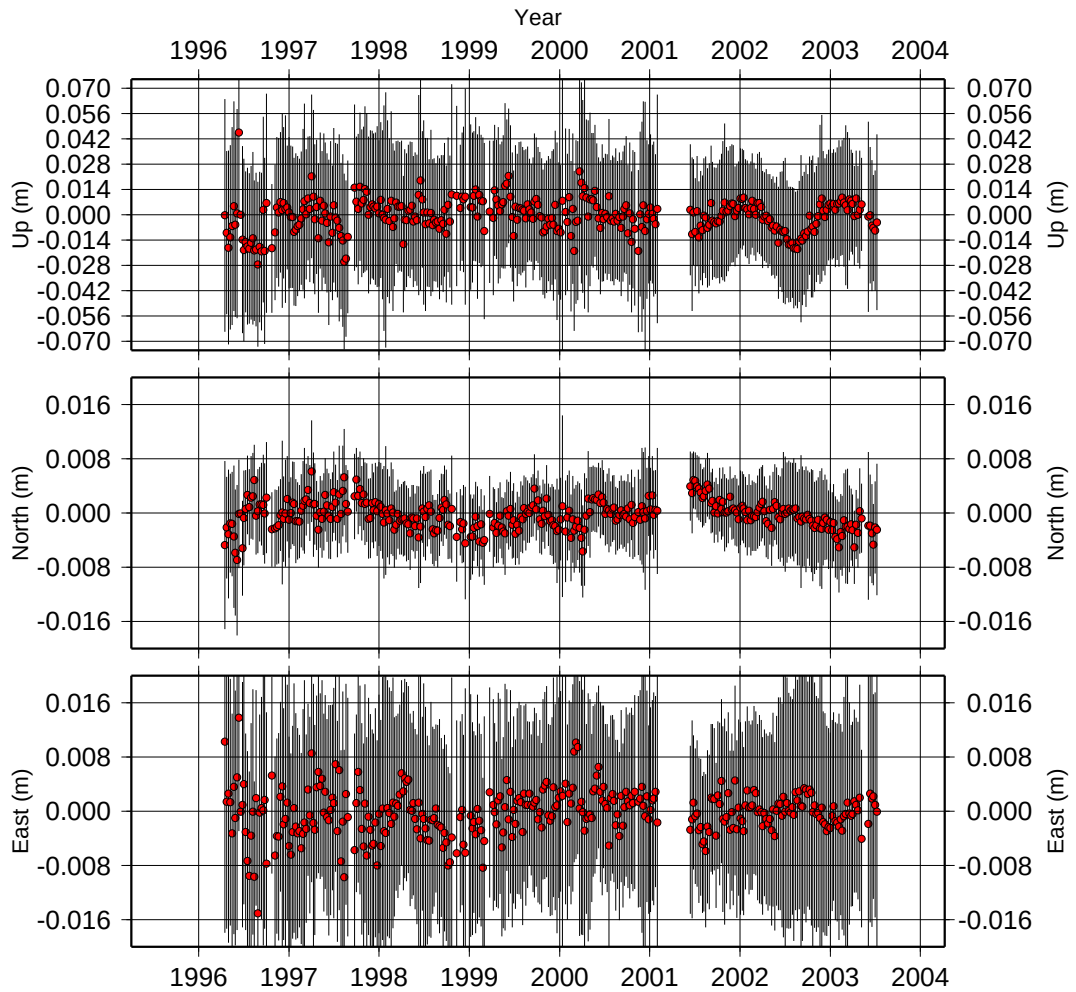


#SOLUTIONS=33 TREND OFF MOBS_50182M001 AT 2000:01:01

POS XYZ	-4130636.0650	2894953.1193	-3890531.2494	M
+/- ENU	0.0490	0.0201	0.0960	M
RMS ENU	0.0013	0.0017	0.0049	M
VEL XYZ	-0.0147	-0.0107	0.0679	M/YR
VEL ENU	0.0172	0.0573	-0.0369	M/YR
+/- ENU	0.0152	0.0063	0.0299	M/YR

6.19 Perth, Australia

TREND OFF PERT_50133M001 AT 2000:01:01

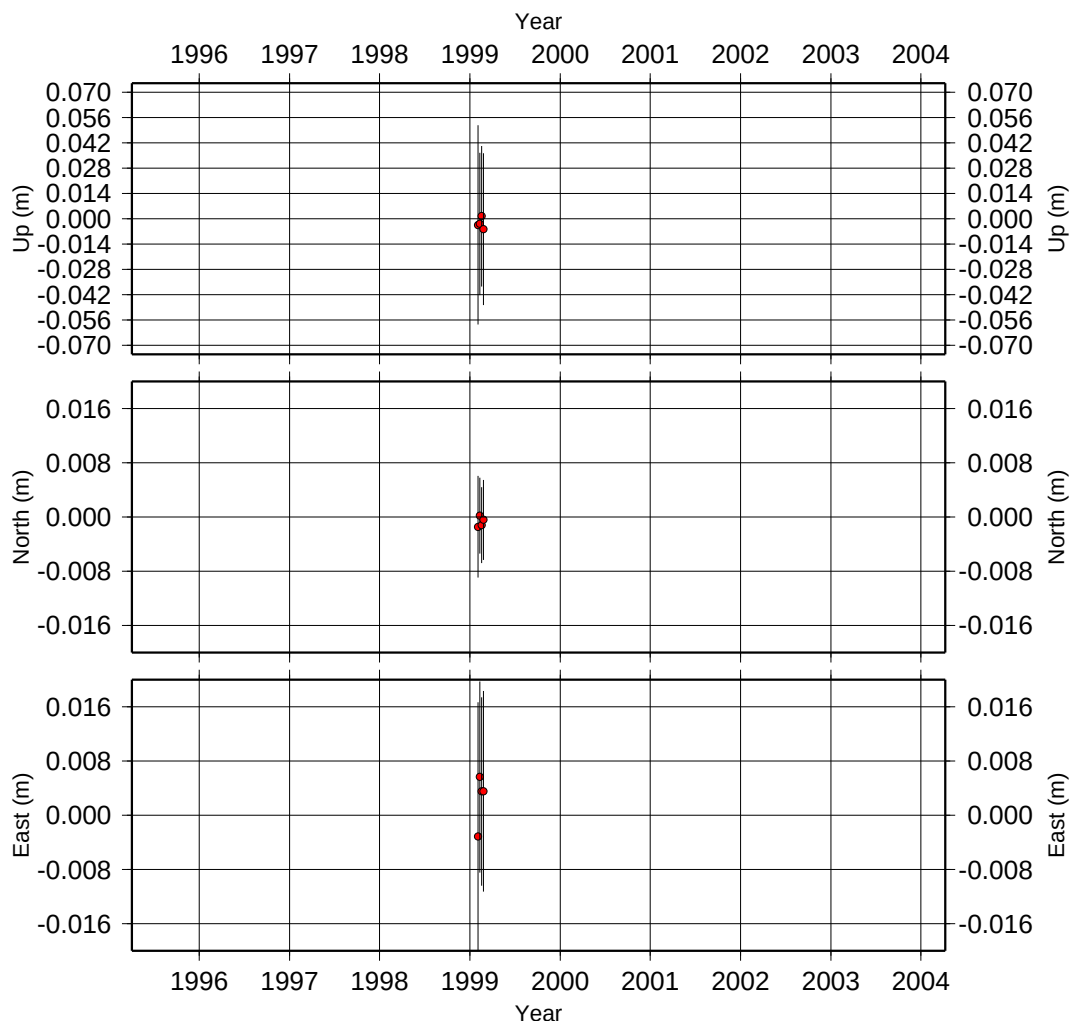


#SOLUTIONS=341 TREND OFF PERT_50133M001 AT 2000:01:01

POS XYZ	-2368687.1126	4881316.5392	-3341796.0061	M
+/- ENU	0.0016	0.0014	0.0023	M
RMS ENU	0.0034	0.0020	0.0090	M
VEL XYZ	-0.0453	0.0048	0.0519	M/YR
VEL ENU	0.0387	0.0568	-0.0069	M/YR
+/- ENU	0.0004	0.0002	0.0010	M/YR

6.20 Mount Stromlo, Australia

TREND OFF STR0_50119M001 AT 2000:01:01

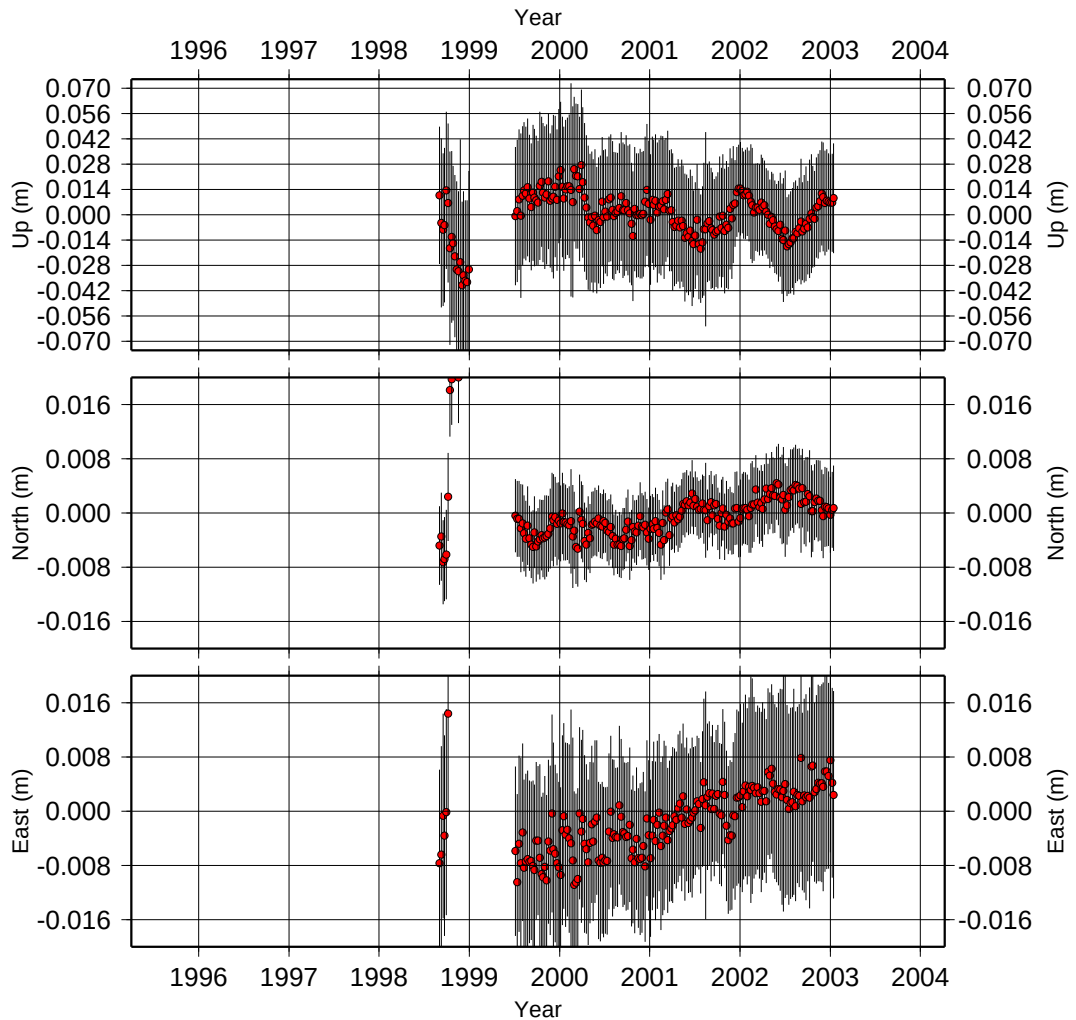


#SOLUTIONS=4 TREND OFF STR0_50119M001 AT 2000:01:01

POS XYZ	-4467074.4973	2683011.8443	-3667008.0122	M
+/- ENU	0.0073	0.0029	0.0204	M
RMS ENU	0.0041	0.0010	0.0037	M
VEL XYZ	-0.0000	0.0000	0.0000	M/YR
VEL ENU	-0.0000	0.0000	0.0000	M/YR
+/- ENU	0.0001	0.0001	0.0001	M/YR

6.21 Mount Stromlo, Australia

TREND OFF STR1_50119M002 AT 2000:01:01

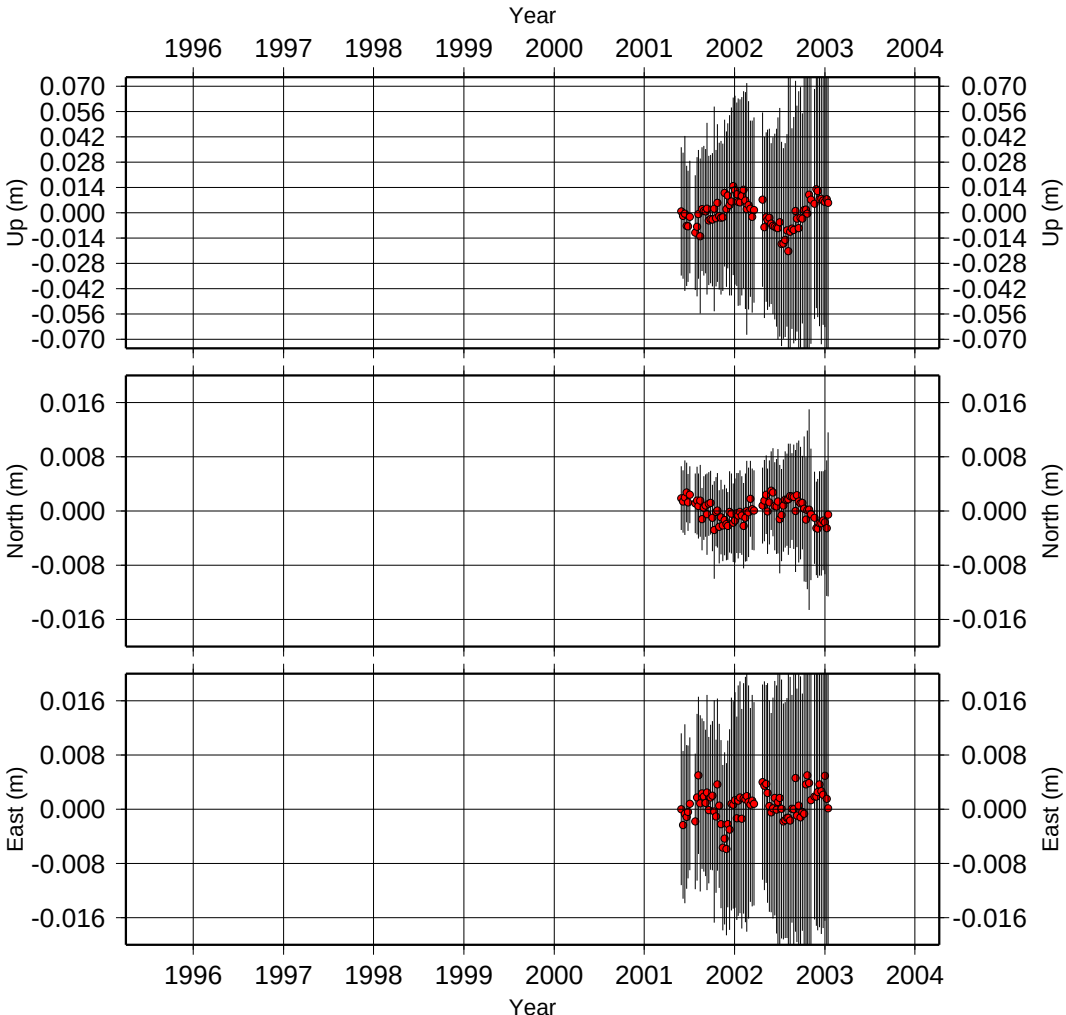


#SOLUTIONS=203 TREND OFF STR1_50119M002 AT 2000:01:01

POS XYZ	-4467102.4707	2683039.4613	-3666949.6653	M
+/- ENU	0.0017	0.0014	0.0037	M
RMS ENU	0.0096	0.0059	0.0117	M
VEL XYZ	-0.0388	0.0053	0.0388	M/YR
VEL ENU	0.0154	0.0524	0.0070	M/YR
+/- ENU	0.0008	0.0004	0.0020	M/YR

6.22 Mount Stromlo, Australia

TREND OFF STR2_50119M001 AT 2000:01:01

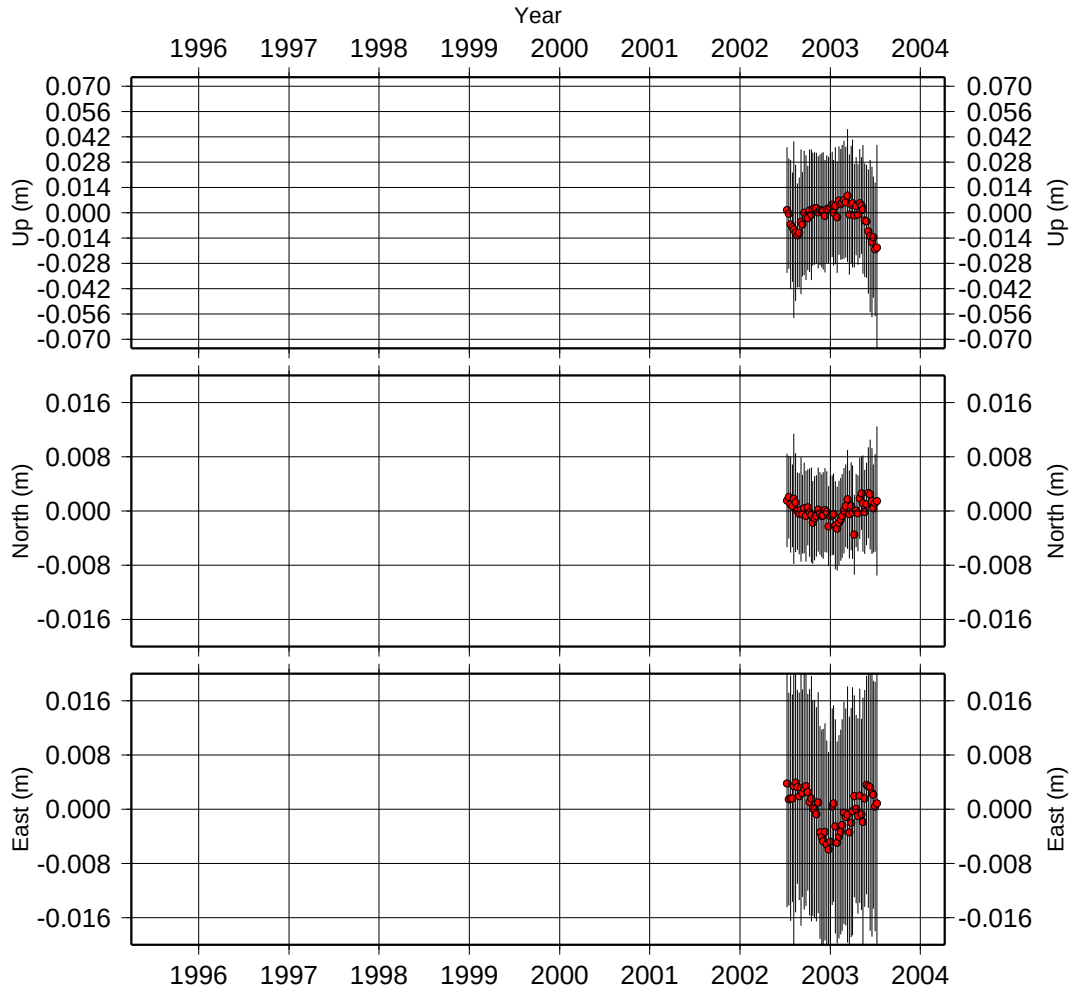


#SOLUTIONS=79 TREND OFF STR2_50119M001 AT 2000:01:01

POS XYZ	-4467074.5128	2683011.8307	-3667007.9600	M
+/- ENU	0.0076	0.0031	0.0249	M
RMS ENU	0.0023	0.0015	0.0077	M
VEL XYZ	-0.0410	0.0052	0.0391	M/YR
VEL ENU	0.0167	0.0538	0.0082	M/YR
+/- ENU	0.0037	0.0014	0.0122	M/YR

6.23 New Norcia, Australia

TREND OFF NNOR_50181M001 AT 2000:01:01

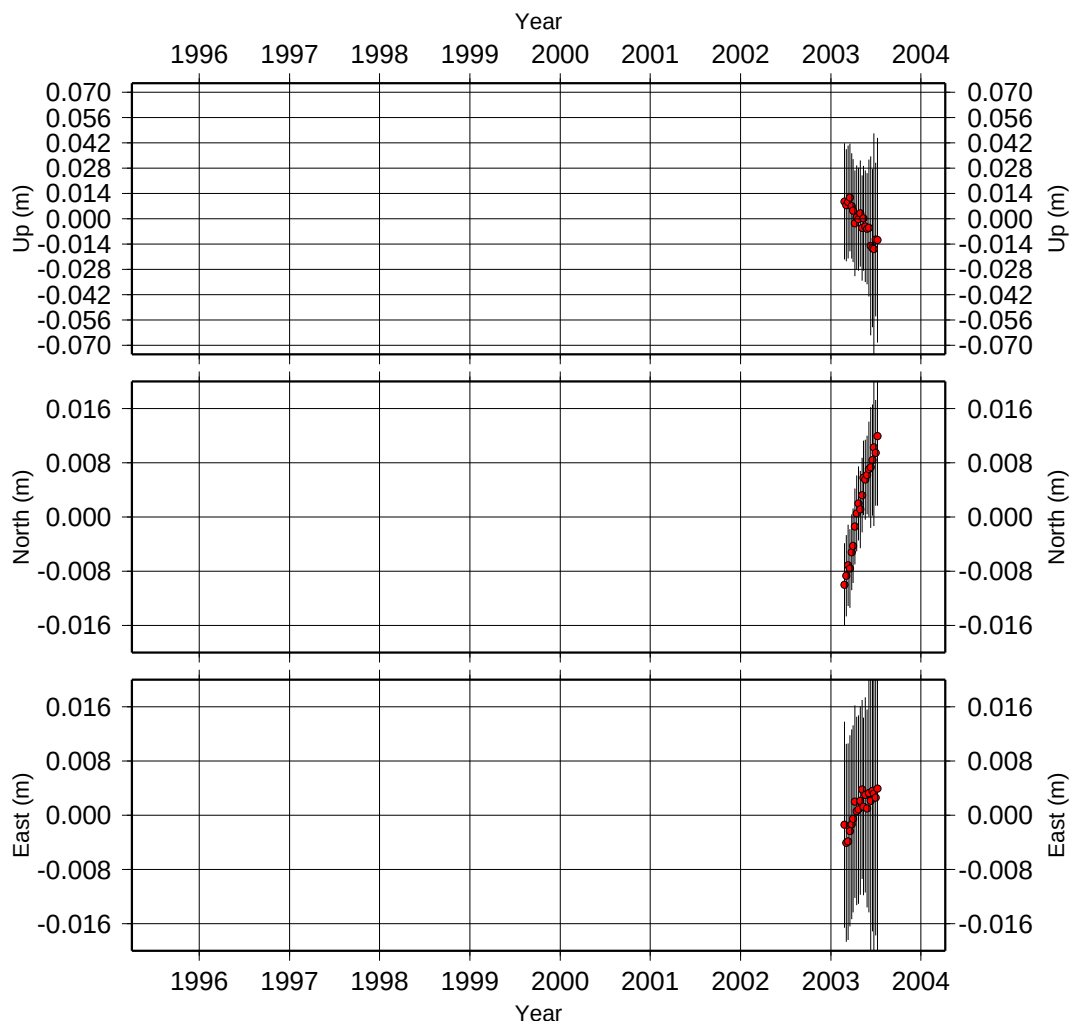


#SOLUTIONS=53 TREND OFF NNOR_50181M001 AT 2000:01:01

POS XYZ	-2414151.4201	4907778.4218	-3270645.1975	M
+/- ENU	0.0237	0.0090	0.0472	M
RMS ENU	0.0027	0.0013	0.0071	M
VEL XYZ	-0.0546	0.0241	0.0397	M/YR
VEL ENU	0.0384	0.0576	0.0187	M/YR
+/- ENU	0.0078	0.0029	0.0156	M/YR

6.24 Sydney, Australia

TREND OFF NML1_----- AT 2000:01:01

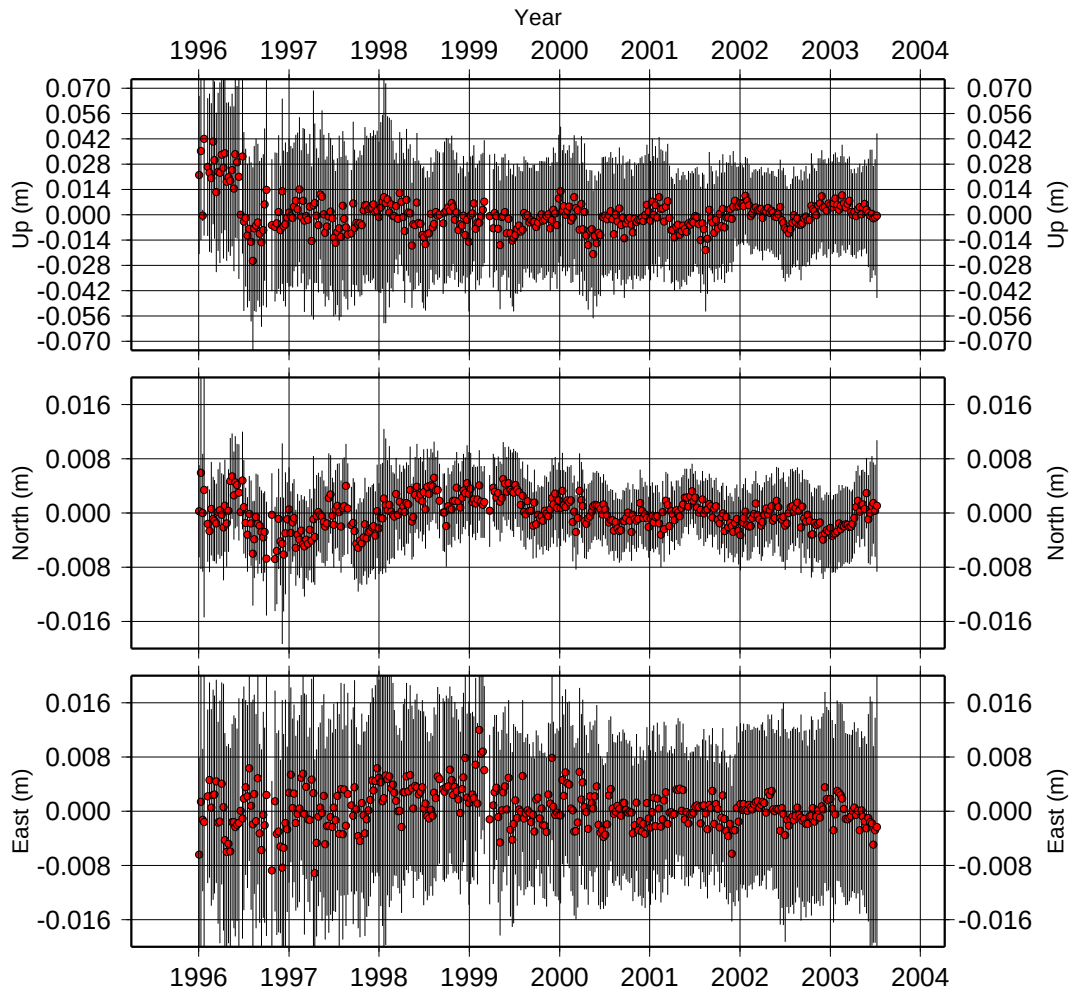


#SOLUTIONS=20 TREND OFF NML1_----- AT 2000:01:01

POS XYZ	-4648200.2318	2560483.9930	-3526505.1277	M
+/- ENU	0.0037	0.0020	0.0073	M
RMS ENU	0.0026	0.0069	0.0089	M
VEL XYZ	-0.0000	0.0000	0.0000	M/YR
VEL ENU	0.0000	0.0000	-0.0000	M/YR
+/- ENU	0.0001	0.0001	0.0001	M/YR

6.25 Tidbinbilla, Australia

TREND OFF TID2_50103M108 AT 2000:01:01

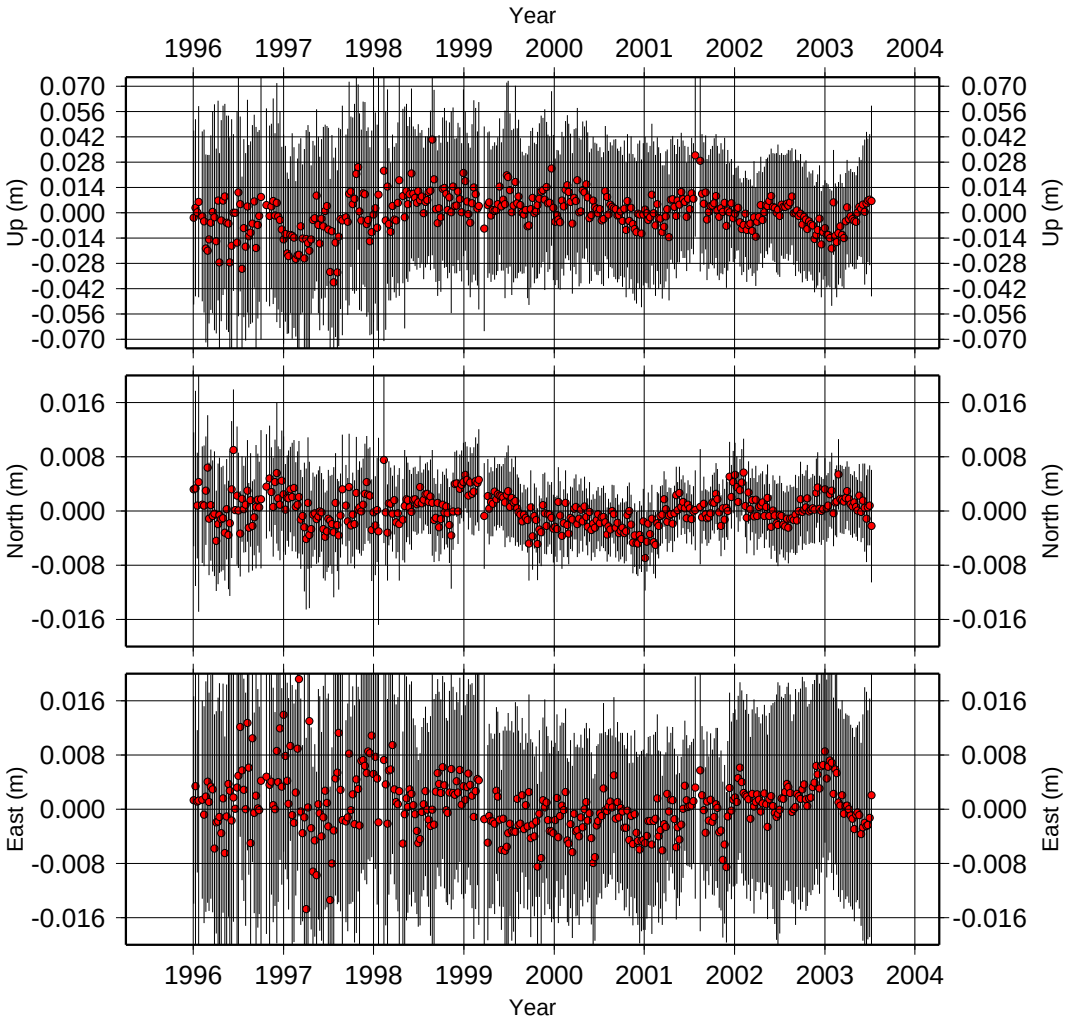


#SOLUTIONS=384 TREND OFF TID2_50103M108 AT 2000:01:01

POS XYZ	-4460996.2381	2682557.0767	-3674443.5562	M
+/- ENU	0.0014	0.0014	0.0020	M
RMS ENU	0.0029	0.0022	0.0093	M
VEL XYZ	-0.0393	0.0016	0.0423	M/YR
VEL ENU	0.0189	0.0544	0.0036	M/YR
+/- ENU	0.0004	0.0002	0.0008	M/YR

6.26 Townsville, Australia

TREND OFF TOW2_50140M001 AT 2000:01:01

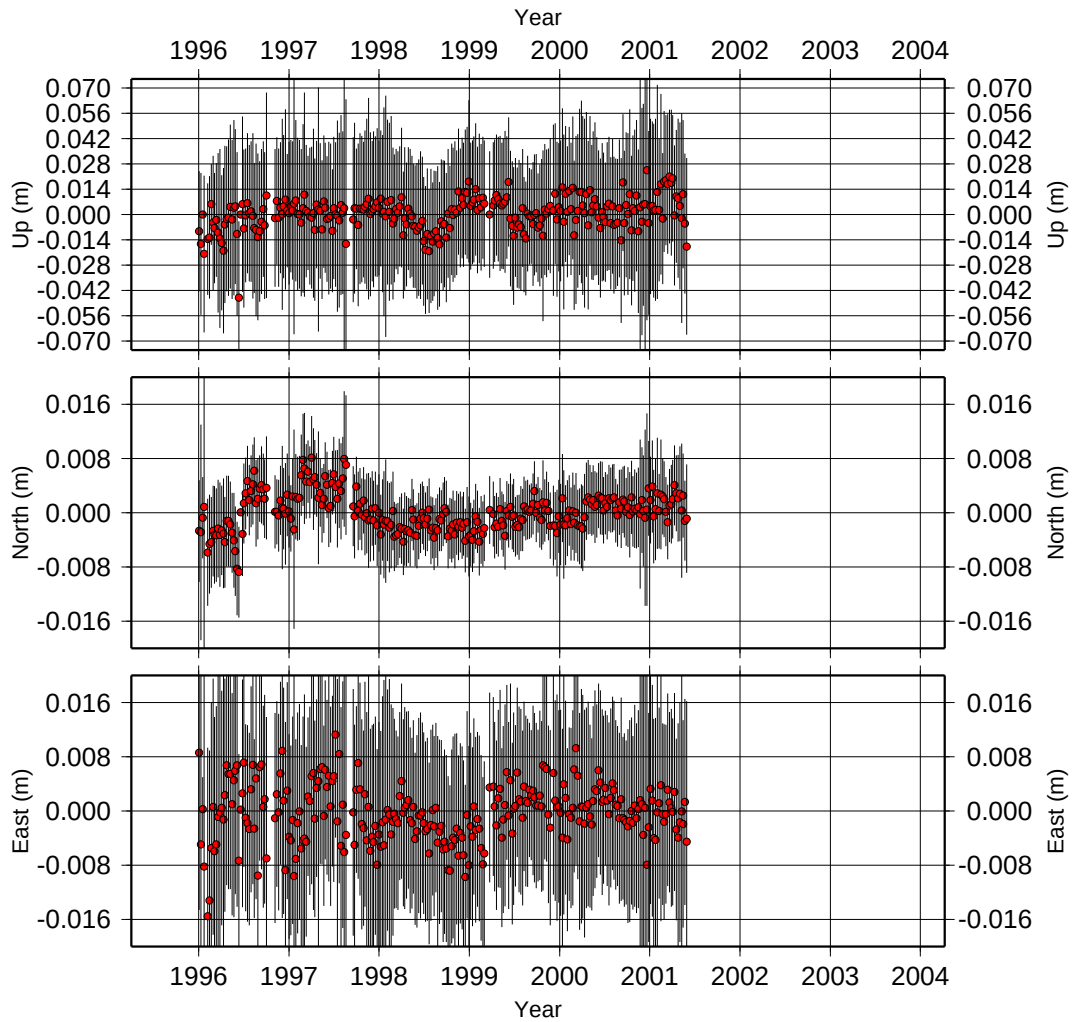


#SOLUTIONS=380 TREND OFF TOW2_50140M001 AT 2000:01:01

POS XYZ	-5054582.8012	3275504.4115	-2091539.5510	M
+/- ENU	0.0015	0.0013	0.0024	M
RMS ENU	0.0042	0.0023	0.0103	M
VEL XYZ	-0.0334	-0.0126	0.0491	M/YR
VEL ENU	0.0287	0.0533	0.0038	M/YR
+/- ENU	0.0004	0.0002	0.0010	M/YR

6.27 Yaragadee, Australia (YAR1)

TREND OFF YAR1_50107M004 AT 2000:01:01

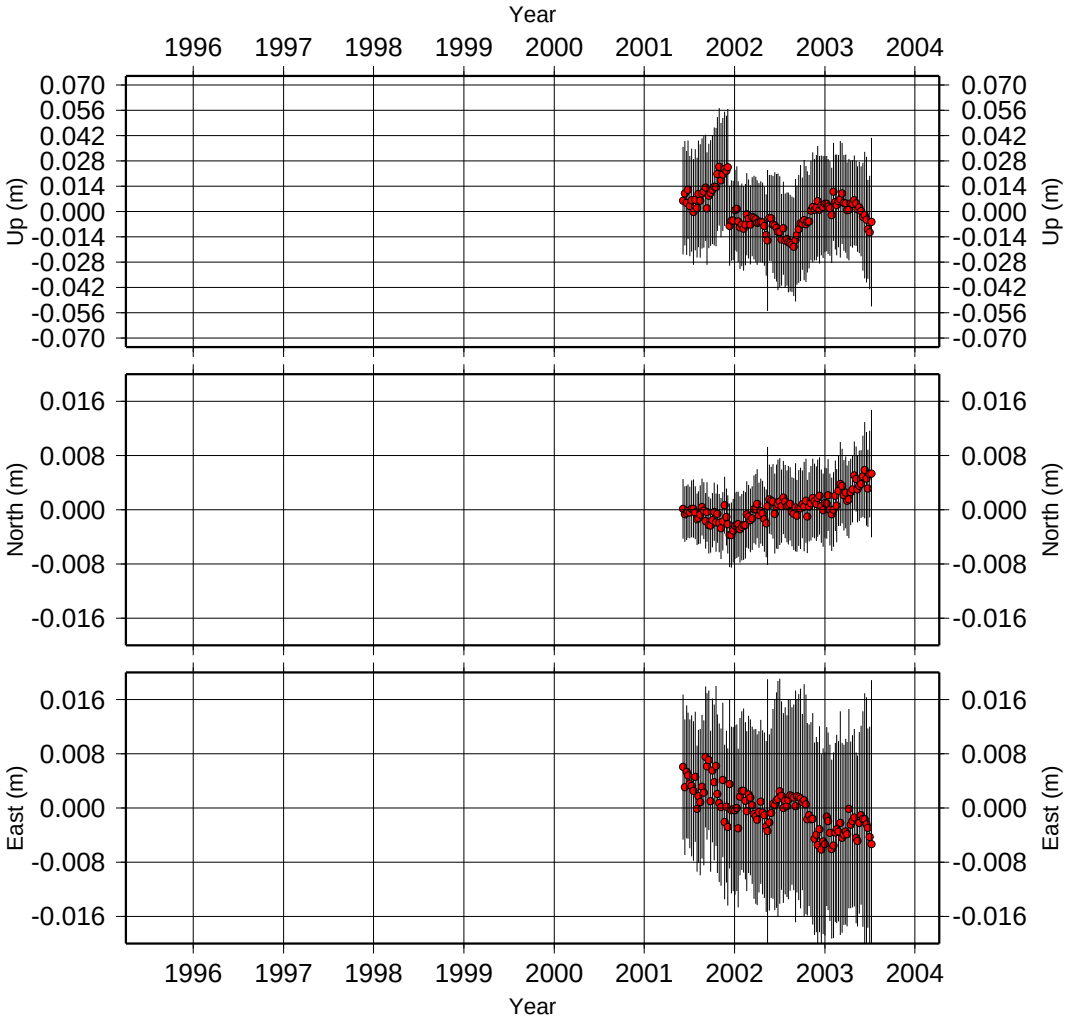


#SOLUTIONS=271 TREND OFF YAR1_50107M004 AT 2000:01:01

POS XYZ	-2389025.6863	5043316.9049	-3078530.5880	M
+/- ENU	0.0018	0.0014	0.0030	M
RMS ENU	0.0041	0.0027	0.0086	M
VEL XYZ	-0.0460	0.0034	0.0505	M/YR
VEL ENU	0.0401	0.0552	-0.0046	M/YR
+/- ENU	0.0006	0.0003	0.0015	M/YR

6.28 Yaragadee, Australia (YAR2)

TREND OFF YAR2_50107M004 AT 2000:01:01

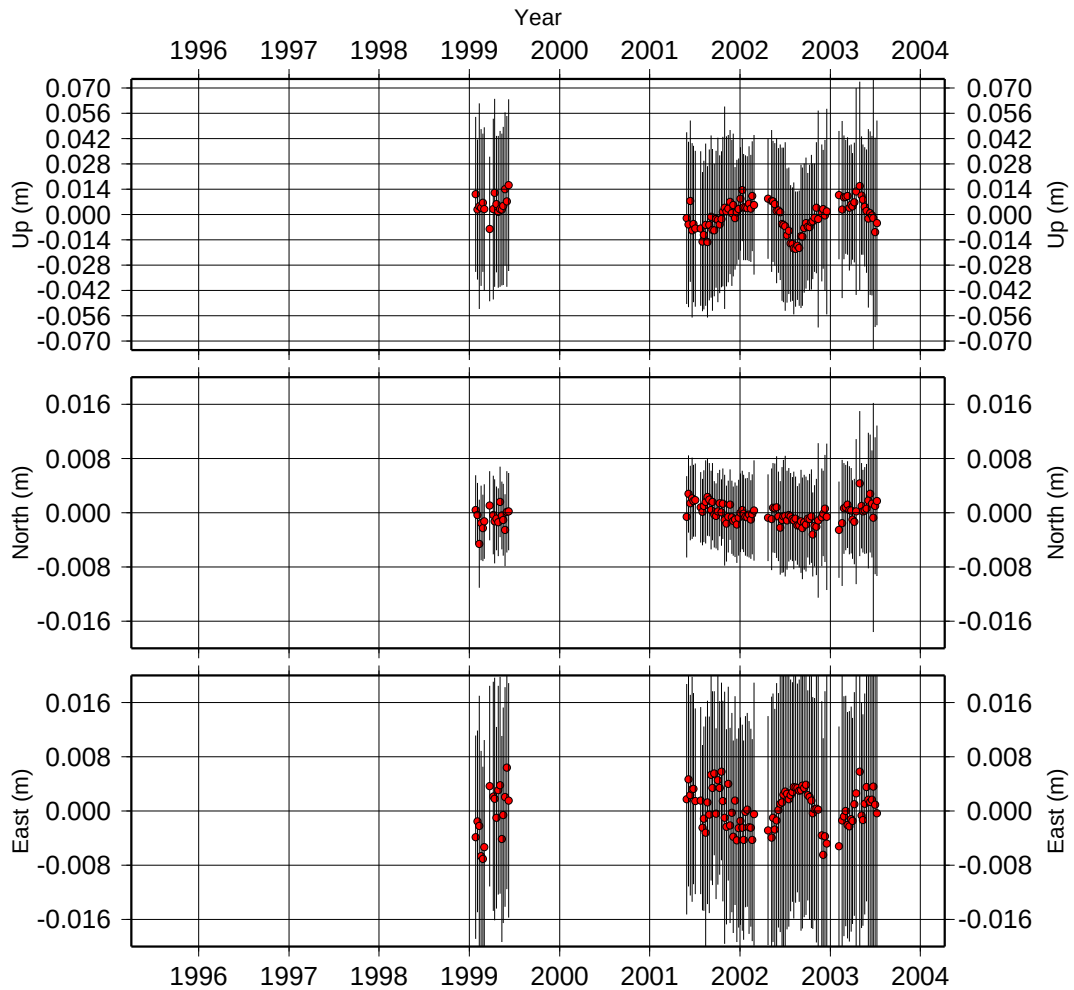


#SOLUTIONS=110 TREND OFF YAR2_50107M004 AT 2000:01:01

POS XYZ	-2389025.6783	5043316.9093	-3078530.5835	M
+/- ENU	0.0019	0.0014	0.0028	M
RMS ENU	0.0031	0.0021	0.0098	M
VEL XYZ	-0.0479	0.0034	0.0483	M/YR
VEL ENU	0.0418	0.0536	-0.0028	M/YR
+/- ENU	0.0001	0.0001	0.0001	M/YR

6.29 Yaragadee, Australia (GPS-GLONASS receiver)

TREND OFF YARR_50107M006 AT 2000:01:01



#SOLUTIONS=109 TREND OFF YARR_50107M006 AT 2000:01:01

POS XYZ	-2389024.6415	5043315.3780	-3078534.0028	M
+/- ENU	0.0028	0.0016	0.0072	M
RMS ENU	0.0030	0.0014	0.0080	M
VEL XYZ	-0.0463	0.0061	0.0494	M/YR
VEL ENU	0.0392	0.0555	-0.0019	M/YR
+/- ENU	0.0012	0.0004	0.0030	M/YR