

Dynamics Explorer 1, Retarding Ion Mass Spectrometer Summary Spectrograms—82/110 to 82/229 Spin-Time Spectrograms for H^+ , He^+ , O^+ , N^+ , O^{++} , $M/Z = 2$, and Molecular Ions

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NASA TECHNICAL MEMORANDUM

DYNAMICS EXPLORER 1, RETARDING ION MASS SPECTROMETER SUMMARY SPECTROGRAMS

82/110 TO 82/229 SPIN-TIME SPECTROGRAMS
FOR H^+ , He^+ , O^+ , N^+ , O^{++} , $M/Z=2$, AND MOLECULAR IONS

I. INTRODUCTION TO THE DE MISSION AND THE RIMS INSTRUMENT

*The introductory material is taken, in part,
from the following sources:*

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A. DESCRIPTION OF SPACECRAFT

On August 3, 1981, a Delta rocket launched from Vandenberg Air Force Base successfully placed the two Dynamics Explorer (DE) spacecraft into coplanar polar orbits. The purpose of the mission was to acquire data relevant to processes coupling the magnetosphere, ionosphere, and upper atmosphere. The two spacecraft were manufactured by the Government System Division of RCA, and the instruments were provided by various principal investigators. A complete description of the mission, spacecraft, instruments, and ground data systems appears in an issue of *Space Science Instruments* (Volume 5, pp. 345-573, 1981), edited by R. A. Hoffman. The high-altitude satellite, DE 1, carried an auroral imager and detectors designed primarily for field and particle measurements. The low-altitude satellite carried more aeronomic-type instruments. The orbits of the two satellites remained very nearly coplanar during their joint lifetimes, providing the unique opportunity to acquire data at two altitudes along common magnetic flux tubes. DE 2, operating at ionospheric altitudes, re-entered the atmosphere in February 1983. DE 1 ceased data collection operations in March 1991.

Both spacecraft were power limited and considerable effort was expended in selecting portions of orbits for maximum science return. DE 1 had a duty cycle of nearly 90% during the early portion of the mission, but in general varied between 16-55%. DE 2 had a duty cycle between 16 and 36%. Times of magnetic conjunction between the spacecraft, or between one spacecraft and a collaborating ground observatory, were

given high priority. Also, data acquisition during passages through geophysical regions like the dayside cusp and plasmopause was emphasized.

B. ORBIT INFORMATION

The DE 1 satellite, carrying the RIMS experiment, was launched into an elliptical polar orbit on August 3, 1981. The ~7.5 hour orbit has perigee of 675 km altitude and apogee of 24,875 km altitude. The orbit plane drifts westward at a rate of ~1 hour MLT every 15.4 days (24 hours in 12 months); the orbit line of apsides drifts about 0.328° geographic latitude each day (moving from one pole to the other in 18 months). Thus, the orbit which started in the dawn-dusk plane with apogee over the north pole precessed to noon-midnight, with apogee over the midnight equator by the spring of 1982. The apogee continued to sweep around in latitude, bringing its position over the south pole during the summer of 1983, the noon sector equator during the spring of 1984, and returned to approximately its original position during the winter of 1984.

Note that while the DE 1 orbit provides coverage for most all local times and latitudes out to the apogee at 4.65 R_E , the 3 to 1 ratio between the drift of the line of apsides and the westward drift of the orbital plane results in uneven coverage in local time for a given altitude. In particular, in the 12-18 hour magnetic local time sector, the higher altitudes in the auroral latitude region were not fully sampled.

The spacecraft spins in a reverse cartwheel mode, at 10 rpm with its spin axis perpendicular to the orbit plane. The spacecraft orbital-plane is roughly coincident with the magnetic field meridian plane so that the radial head (mounted perpendicular to the spin axis) responds to ion fluxes for nearly the full range of magnetic pitch angles (-180° to +180°).

C. DESCRIPTION OF THE INSTRUMENT

The Retarding Ion Mass Spectrometer (RIMS) experiment onboard the DE 1 satellite was designed to perform energy and mass-per-charge analysis on low-energy ions (<50 eV) with mass/charge ranging from 1 to 40 amu/Z. The instrument is fully described by Chappell et al. (The Retarding Ion Mass Spectrometer on Dynamics Explorer-A, *Space Sci. Instrum.*, 4, 477, 1981). RIMS has significantly improved capabilities over previous retarding potential analyzer instruments (RPA) by providing ion mass/charge separation so that RPA and spin curves are obtained separately for each programmed species. These enhanced instrument

capabilities, combined with the DE 1 orbit, produced a unique opportunity to investigate the variable dynamics and composition of the low-energy ion population in the near-Earth space environment.

DE 1 RIMS consists of four instrument assemblies interconnected to form one experiment. Three of the assemblies are sensor heads and one is the central electronics assembly. The three heads are labeled according to the mounting axis on the DE 1 spacecraft: Radial, +Z, and -Z. The radial sensor views perpendicular to the spacecraft spin axis, while the $\pm Z$ sensors on the ends of the spacecraft view parallel and anti-parallel to the spin axis. The central electronics assembly (CEA) provides the spacecraft interface, all data processing, command decoding, and complete timing control of the entire RIMS experiment.

Each sensor head consists of an RPA followed by a magnetic mass analyzer with two separate exit slits corresponding to two mass/charge ranges in the ratio 1:4. The total mass/charge range covered is 1 to 40 amu/Z. Surrounding and attached to the entrance of the sensor head is a 20-cm circular aperture plate. The plate is connected to a relay which can, on command, connect to either spacecraft chassis ground or to the aperture potential power supply output. The aperture potential power supply can be set by spacecraft minor mode A command to 0, -2, -4, or -8 V to partially compensate for a non-zero positive spacecraft potential.

The retarding grid of the RPA is connected to the retarding potential power supply through a shielded conductor. The retarding potential may be set to any one of 1024 linearly spaced steps from 0 to +51.125 V with a resolution of 0.05 V. The RPA collector plate is connected through a co-axial cable to a 5-decade logarithmic amplifier. The reference voltage for the front end of the log amp is the output of the aperture potential power supply. The output of the log amp is converted, by command from the CEA, to a 10-bit digital word using an analog/digital (A/D) converter. The digital word is held in a holding register until the CEA is ready to read and process the data.

Those ions passing into the Ion Mass Spectrometer (IMS) are sorted according to their mass to charge ratio. The proper combination of ion accelerating voltage, applied magnetic field strength, and ion beam gyro radius in the applied magnetic field determines the mass/charge of the ion focused on each collector slit. Varying the ion accelerating voltage varies the ion mass/charge detected. Ions of mass/charge 1 to 8 amu/Z and 4 to 32 amu/Z can be focused on the low and high mass slits, respectively. Ions exiting the collector slits are counted by channel electron multiplier (CEM) detectors. The ion mass/charge range is also programmable by a minor mode command. Any 32 of 4096 voltage steps may be selected. All 32 steps may be the same, in which case the mass/charge analyzer will be locked onto a given pair of mass/charge peaks having the ratio 1:4. The two-channel IMS uses CEMs as detectors. The two CEMs in each sensor head are powered by a single multiplier high-voltage power supply which can be set, by spacecraft minor mode A command, to any one of four voltages, -1200, -2100,

-2400, and -2800 V. The IMS accelerating voltage comes from a swept high voltage power supply that can be addressed to any one of 4096 linearly spaced steps between 0 and -2250 V.

The output of each detector is connected to a charge sensitive pulse amplifier whose output is sent to a level detector. The discrimination level is set by spacecraft minor mode A command. Pulses from the discriminator are coupled to an 18-stage binary counter. Four bits of the counter are located in each head, and the other 14 bits of each accumulator are located in the CEA. The CEA contains the circuitry for compressing each accumulator output into a 10-bit base 2-floating point number (6-bit mantissa and 4-bit exponent) for output into the telemetry buffer.

The DE spacecraft utilizes a pulse code modulation data system with 128, 8-bit words at a main frame rate of 16 frames per second. Note that the RIMS instrument is assigned 26 of these 8-bit telemetry words. One 8-bit word is reserved for status information, five groups of 5 8-bit telemetry words each are used for measurements – where each group is considered a telemetry channel by the processor. With this convention, each telemetry channel can contain 4 each 10-bit instrument words. Each data sample represents a period of 1/4 minor frame (1/64th of a second, or 15.625 msec.) Each RIMS sensor head has three data outputs, the RPA and high and low mass IMS channels, and therefore outputs 9 measurements each 1/4 frame for a total of 36, 10-bit instrument words per telemetry minor frame. Since the 40-bit telemetry channel can contain only 4, 10-bit instrument words, only 20 of the 36 instrument words may be loaded into the telemetry channels each telemetry frame (4 instrument words x 5 telemetry channels). The telemetry channel assignments, number of words assigned to each, and their content are as follows:

- | | | |
|---|---|--|
| A | 1 | Housekeeping and status |
| B | 5 | Radial IMS low-mass channel accumulation |
| C | 5 | Radial IMS high-mass channel accumulation |
| D | 5 | Alternates each 1/4 frame between +Z IMS low & high-mass accumulation |
| E | 5 | Alternates each 1/4 frame between -Z IMS low & high-mass accumulation |
| F | 5 | Alternates each 1/4 frame between radial, +Z, and -Z RPA (electrometer) accumulation |

The instrument cycle is 32 data samples from each data source. The RIMS completes one instrument cycle each 0.5 sec. Each data sample represents a period of 15.625 msec. This interval consists of a measurement interval and a data processing interval. During the measurement interval, the IMS accumulators are active for a period of 12 msec. The 3.625 msec data processing interval is used to process the data accumulated during the measurement interval and to establish the mass/charge voltage and retarding voltage for the next integration period.

The RIMS instrument continued to return usable data until the end of the DE mission in March 1991. The radial head RPA failed on 81/329 19:50:18. It worked again between 82/045 23:30 and 82-046 06:15 before failing again. Sometime before 82/046 the -Z head

aperture bias mechanism failed. At launch the -Z head was found to be biased -2 V with respect to the other two heads. The anomaly disappeared on day 73 or 74 of 1982. The Z heads show spin variation primarily at low altitudes in cold, dense plasmas at high spacecraft velocities. For a more detailed and complete account of RIMS performance characteristics, see Olsen et al., DE-1 RIMS Operational Characteristics, NASA TM-86527, 1985.

The RIMS instrument data was provided by GSFC to ES53/MSFC on 1600 BPI magnetic tapes. The RIMS data was extracted and combined with orbit/attitude and magnetic field data to produce mission analysis files (MAF) and summary spectrograms. There is usually one MAF file per pass (RIMS instrument on/off time). Each MAF file data record consists of 8 seconds of RIMS data (512 samples per channel, each sample 1/64 sec measurement), in time order. One MAF record is 5624 bytes in size. The first 100 locations (16-bit words) of this record contain timing, orbit/attitude, B-field, and instrument mode information. Since the instrument mode takes some logic to decode, subroutines are available that perform the decoding of the instrument flags, determination of RPA/IMS settings for any sample through the 512, and decommutation of the D and E channels (Z-head data).

Data quality is, in general, excellent. Data are not always recorded at altitudes down to the DE 1 perigee of 675 km. At the lower altitudes, the plasma density can be quite high and the RIMS instrument is generally shut off to protect the particle detecting CEMs from excessive counting rates. However, on occasion, saturation of the detecting CEMs may be seen in the radial head data during low altitude-high density passes.

Detection of very low-energy ions is made difficult by the presence of floating spacecraft potentials. Analysis of RIMS data by Olsen [1989] established a density-potential relationship, such that the satellite accumulates positive charge on entering density regions below 1000 cm^{-3} , rising slowly to about +1 V at 100 cm^{-3} , and about +5 V at 10 cm^{-3} . By preventing measurement of the coldest plasma components, this potential can mask out an isotropic background plasma or, when the potential is sufficiently high, can give the appearance that no cold plasma exists in a region. This effect is known to be a concern in the plasmopause and trough region, where densities are of the order 7 to 70 cm^{-3} and the spacecraft may reach potentials of +2 to +5 V [Olsen, 1989]. At altitudes above the ionosphere in the polar regions, densities again can be sufficiently low that observation of ions of classical polar wind speed is possible only during negative aperture bias instrument modes [Nagai et al., 1984].

The DE 1/RIMS team has attempted to compensate for the spacecraft charging by the addition of a voltage bias plate at the entrance aperture of the instrument. The diameter of the external aperture plane is 20 cm, which may be compared to the spacecraft dimension of one meter in height and 1/4 meter in diameter. The instrument retarding voltages are referenced to this aperture plane, so that to the RIMS detector the effect of the bias is similar to a change in spacecraft potential,

though sheath effects can complicate the interpretation of the resulting data.

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II. DESCRIPTION OF THE RIMS SUMMARY SPECTROGRAMS

The summary spectrograms included in this volume consist of seven spin-angle versus time panels; one panel for each of the seven mass/charge settings, H^+ , He^+ , O^+ , N^+ , $M/Z=2$, O^{++} , and molecular ions. Noted at the top of each spectrogram is the date and time interval covered by the spectrogram, the instrument head, and indications of the RPA and aperture bias sort used. In this set, data were included regardless of RPA or aperture bias setting. Orbit parameters – geocentric altitude, McIlwain L-shell, magnetic local time, magnetic latitude, and invariant latitude – are given at 40-min intervals at the bottom of the page.

The panels are labeled with mass designations (i.e., L/H^+ for low mass channel, ionized hydrogen). Please note, however, that the data plotted represent the response of that RIMS channel to a specific range of mass/charge settings.

The satellite ram direction is defined to be along the center of each panel, meaning the point at which the radial detector was viewing into the direction of motion of the spacecraft. The maximum (180°) and minimum (0°) magnetic pitch angles are indicated by the black dashed and dotted lines (nearly horizontal, for the most part), respectively, corresponding to closest aperture approach to the parallel and anti-parallel directions of the Earth's magnetic field.

The data arrays used to construct each panel consist of 120 time divisions and 32 spin angle divisions. Since each spectrogram covers an 8-hour period, including a

single 7.5-hour spacecraft orbital period, each angle/time bin represents a data average over 11.25° in spin angle and 4 minutes of accumulation time. That is, the counts-per-accumulation periods (12 milliseconds), for all RPA and aperture bias settings, are averaged over the 4-min time resolution period for each 11.25° spin angle bin.

The counts-per-sample for a given spin angle-time bin is coded by vertical lines; one solid vertical line representing low counts (0 to 1 count/sample) and many closely-spaced vertical lines (approaching solid black) representing higher count rates (>5000 counts/sample). A dotted vertical line represents an angle/time bin for which sampling occurred, but no counts were registered. No vertical lines at all indicates that sampling for that ion was not performed. The squares arranged vertically to the left of the spin angle-time panels show this scale.

The counts-per-sample is proportional to the integral directional ion flux for the energy range 0 to 50 eV with approximate conversion ratios of counts to integral flux of 3.1×10^4 (particles/cm²-s-ster)/(counts/sample) for H^+ , 1.9×10^4 (particles/cm²-s-ster)/(counts/sample) for He^+ , and 4.4×10^4 (particles/cm²-s-ster)/(counts/sample) for O^+ . These factors, which reflect the mass-dependent angular response, are based on pre-flight and in-flight calibration; the ratios are time-dependent due to on-orbit CEM degradation and are offered here only as a general approximation.

III. DE 1/RIMS 1982 DATA CATALOG

Each line in the listing that follows represents one RIMS operation cycle and lists operation cycle number, instrument on/off time (UT), and quality information. An explanation of each field follows.

Operation Cycle Number: Begins with first science mode cycle. An operation cycle begins with an instrument "on" command and ends with an instrument "off" command. More than one operation cycle may be executed during a single spacecraft orbit.

Date: The year and day of year is represented as (YEAR-1900) * 1000 + DAYNUMBER.

Time Interval: The start/stop time (UT) of the operation cycle (HHMM).

Archive Flag: Used by RIMS team to flag which data have been archived to optical disk. The numerical entry is the disk number on which the data reside. "nd" or "no" = no data or too little data to archive. Used also when the electrometer was operated with the channeltrons off. In this latter case, the "nd" entry is followed by a notation of "Electrometer only." "oo" means data were not received from GSFC.

Quality Information: Text to summarize data anomalies, data gaps, and data processing problems.

"Sunpulse" means that a response of the radial head detector to solar UV can be seen in spectrograms of the data.

DNA: followed by a universal time (UT), means that data were not available for the time listed. This entry

usually indicates data were collected on the spacecraft but did not survive to the telemetry end product.

LMCD: Low mass channel degraded. Recognizable as H⁺ counts that are lower than the He⁺ counts in the high

mass channel. Usually occurs when the spacecraft is in the plasmasphere.

BMD: Bad memory dump. When this is noted, the telemetry was in error or bits were incorrect in the RIMS memory. In either case, no data are obtained.

BEGIN LISTING

```
811 82110 0050-0200 01B
812 82110 0405-0855 01B
813 82110 1105-1755 01B
814 82110 2125-0415 01B
815 82111 0535-1118 01B
816 82111 1151-1842 01B DNA:1513-1557
817 82111 2242-0126 01B DNA:2326-0126
818 82112 0226-0500 01B
819 82112 0600-0750 01B
820 82112 0829-1443 01B
821 82112 1543-1800 01B
822 82112 2231-0522 01B
823 82113 0731-1116 01B
824 82113 1150-1547 01B
825 82113 1900-0151 nd DNA:1900-0151
826 82114 0221-0455 01B
827 82114 0555-0745 01B
828 82114 0824-1438 01B
829 82114 1538-1755 01B
830 82114 2226-0517 01B DNA:0355-0410
831 82115 0726-1111 01B
832 82115 1145-1542 01B Memory dump problems
833 82115 1855-0146 01B
834 82116 0241-0500 01B
835 82116 0600-0740 01B Noise
836 82116 0820-1434 01B
837 82116 1900-0151 01B
838 82117 0300-0409 01B
839 82117 0804-1108 01B
840 82117 1144-1400 01B DNA:1232-1341
841 82117 1720-0011 01B
842 82118 2325-2327 nd Not enough data to archive
843 82119 0222-0400 01B
844 82119 0600-1100 01B
845 82119 1200-1851 01B Memory dump problem
846 82119 2322-0600 01B
847 82120 0705-0829 01B
848 82120 0945-1636 01B
849 82120 1836-2111 01B
850 82120 2350-0359 01B
851 82121 0840-1531 01B
852 82121 1716-1900 01B
853 82121 2317-0555 01B
854 82122 0700-0824 01B
855 82122 0940-1631 01B
856 82122 1831-2105 01B
857 82122 2345-0354 01B
858 82123 0835-1526 01B
859 82123 1711-1855 01B DNA:1711-1800
860 82123 2320-0520 oo
861 82124 0653-0815 01B
862 82124 0915-1606 01B
863 82124 2035-0128 01B DNA:2355-0128
864 82125 0247-0450 01B
865 82125 0605-1256 01B DNA:1106-1226
866 82125 1405-1653 01B
867 82125 1705-2005 01B
868 82125 2317-0447 01B
869 82126 0547-1238 01B
870 82126 1338-1700 01B
871 82126 2029-0122 01B
872 82127 0242-0445 01B
873 82127 0600-1251 01B
874 82127 1400-1648 01B
875 82127 1700-2000 01B
876 82127 2312-0442 01B DNA:2312-0005
877 82128 0542-1233 01B
878 82128 1333-1655 01B
879 82128 2023-0125 nd DNA:2023-0125 recorder off
880 82129 0241-0441 01B
881 82129 0641-1332 01B
882 82129 1653-1823 01B
883 82129 2300-0429 oo
884 82130 0634-1145 01B DNA:1040-1145
885 82130 1305-1956 01B
886 82130 2147-0125 01B LMCD
887 82131 0236-0436 01B
888 82131 0636-1327 01B LMCD
889 82131 1648-1818 01B
890 82131 2255-0424 01B
891 82132 0629-1140 01B
892 82132 1300-1951 01B LMCD at perigee
893 82132 2142-0120 oo
894 82133 0232-0433 01B
895 82133 0733-1424 01B
896 82133 1644-2000 01B
897 82133 2300-0414 01B LMCD
898 82134 0514-1205 01B
899 82134 2136-0122 01B LMCD
900 82135 0227-0428 01B
901 82135 0728-1419 01B
902 82135 1639-1955 01B Mass scan mode
903 82135 2255-0409 01B
904 82136 0509-1200 01B
905 82136 2131-0117 01B LMCD
906 82137 0227-0420 01B
907 82137 0800-1451 01B
908 82137 1632-1802 01B
909 82137 2252-0359 01B
910 82138 0509-1200 01B DNA:0835-1200
911 82138 2005-0011 01B Mass Scan Mode
912 82139 0222-0415 01B
913 82139 0755-1451 01B
914 82139 1627-1757 01B
915 82139 2247-0354 01B
916 82140 0504-1155 01B LMCD
917 82140 2000-0006 01B
918 82141 0222-0500 01B
919 82141 0800-1451 01B LMCD
920 82141 1723-2341 01B LMCD DNA:1841-2043; 2045-2204
921 82142 0735-1105 01B LMCD
922 82142 1329-2020 01B
923 82142 2116-0107 01B LMCD DNA:2319-0107
924 82143 0755-1446 01B LMCD
925 82143 1718-2336 01B
926 82144 0039-0515 01B
927 82144 0730-1100 01B LMCD
928 82144 2111-0102 01B
929 82145 0216-0400 01B
930 82145 0910-1600 01B LMCD
931 82145 1712-2332 01B LMCD DNA:2013-2108
932 82146 0034-0516 01B LMCD.DNA: 0325-0516
933 82146 1234-1925 01B LMCD
934 82146 2107-0113 01B LMCD
935 82147 0211-0355 01B
936 82147 0905-1555 01B LMCD
937 82147 1707-2327 01B No OA for 1707-1738
938 82148 0029-0511 01B DNA:0404-0511
939 82148 0721-0955 nd DNA:0721-0955
940 82148 1229-1920 01B LMCD
941 82148 2102-0108 01B LMCD
942 82149 0208-0350 01B LMCD
943 82149 0900-1551 01B LMCD
944 82149 1702-2320 01B LMCD
945 82150 0026-0513 01B LMCD.DNA:0303-0513
946 82150 0720-1008 nd DNA:0720-1008
947 82150 1015-1030 nd DNA:1015-1030
948 82150 1308-1954 01B LMCD
949 82150 2059-0108 01B LMCD.DNA:2248-2358
950 82151 0203-0345 01B LMCD
951 82151 0855-1546 oo
952 82151 1657-2315 01B LMCD
953 82152 0021-0508 oo
954 82152 0715-1003 01B LMCD
955 82154 1327-1828 01B LMCD
956 82154 2015-0238 01B LMCD.DNA: 2232-0238
957 82155 0851-1542 01B LMCD
958 82156 0012-0506 01B LMCD
959 82156 0803-1323 01B LMCD
960 82156 1438-1823 01B LMCD
961 82156 2010-0233 oo
962 82157 0800-1451 01B LMCD
963 82157 1642-2302 01B LMCD
964 82158 0011-0505 01B LMCD.DNA:0140-0505
965 82158 0805-1250 01B LMCD
966 82158 2043-0226 01B LMCD
967 82159 0755-1446 01B
968 82159 1637-2257 01B LMCD.DNA: 2216-2257
969 82160 0006-0500 01B LMCD.DNA: 0355-0500
970 82160 1321-1935 01B LMCD
971 82160 2038-0221 01B LMCD.DNA: 0058-0221
972 82161 0809-1500 01B LMCD
973 82161 1604-2225 01B Mode change.DNA: 2125-2225
974 82162 0002-0050 01B
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975	82162	0055-0111	01B	
976	82162	0115-0500	01B	
977	82162	1429-1814	01B	
978	82162	1953-0216	01B	DNA:1953-2001; 0151-0216
979	82163	0804-1455	01B	
980	82163	1559-2220	01B	Mode change. DNA: 2043-2220
981	82163	2357-0455	01B	DNA:0344-0455
982	82164	1424-1809	01B	DNA:1518-1809
983	82165	0809-1500	oo	
984	82165	1623-2242	01B	DNA:2100-2242
985	82165	2356-0452	01B	
986	82166	0805-1154	01B	
987	82166	1256-1807	01B	DNA:1556-1807
988	82166	1944-0206	oo	
989	82167	0809-1500	01B	
990	82167	2350-0448	01B	DNA:0205-0448
991	82168	0523-0830	01B	LMCD
992	82168	1130-1821	01B	DNA:1420-1821. LMCD
993	82168	2021-0200	01B	
994	82169	0804-1455	01B	LMCD. DNA:1441-1455
995	82169	2345-0443	01B	
996	82170	0518-0825	01B	LMCD
997	82170	1125-1816	01B	LMCD, DNA:1407-1816
998	82170	2016-0155	oo	
999	82171	0512-1203	01B	LMCD
1000	82171	1607-2105	01B	LMCD. DNA:1824-2105
1001	82171	2344-0444	oo	
1002	82172	0551-1222	01B	LMCD
1003	82172	1308-1600	01B	DNA:1459-1600.
1004	82172	1900-0047	oo	
1005	82173	0507-1158	01B	LMCD
1006	82173	1602-2100	01B	
1007	82173	2339-0439	01B	LMCD
1008	82174	0546-1217	oo	
1009	82174	1303-1555	01B	
1010	82174	1855-0042	oo	
1011	82175	0500-1151	01B	LMCD at perigee
1012	82175	1255-1725	01B	LMCD
1013	82175	2025-2243	01B	LMCD
1014	82175	2338-0436	01B	LMCD
1015	82176	0557-0955	01B	LMCD DNA:0557-0625
1016	82176	1100-1459	01B	LMCD
1017	82176	1750-1955	01B	LMCD.
1018	82176	2038-0046	01B	
1019	82177	0455-1146	01B	LMCD
1020	82177	1250-1720	01B	LMCD
1021	82177	2020-2238	01B	LMCD
1022	82177	2333-0431	01B	LMCD
1023	82178	0552-0950	01B	LMCD
1024	82178	1055-1454	01B	LMCD
1025	82178	1745-1950	01B	LMCD
1026	82178	2033-0041	01B	LMCD
1027	82179	0129-0229	01B	LMCD
1028	82179	0524-1215	01B	LMCD
1029	82179	1340-1630	01B	LMCD. DNA:1348-1404;1419-1550
1030	82179	1950-2220	01B	LMCD
1031	82179	2322-0428	oo	
1032	82180	0556-0850	01B	
1033	82180	1010-1202	01B	LMCD
1034	82180	1247-1620	oo	
1035	82180	1820-1920	01B	LMCD
1036	82180	2041-0038	01B	LMCD. DNA:2300-0038
1037	82181	0120-0210	01B	LMCD
1038	82181	0445-1135	01B	
1039	82181	1215-1443	01B	LMCD
1040	82181	1800-2048	01B	LMCD
1041	82181	2100-2244	01B	LMCD
1042	82181	2329-0426	01B	
1043	82182	0542-0946	01B	
1044	82182	1243-1800	01B	
1045	82182	2120-0037	01B	
1046	82183	0115-0205	01B	
1047	82183	0440-1130	oo	
1048	82183	1210-1438	01B	
1049	82183	1755-2043	01B	LMCD
1050	82183	2055-2239	01B	LMCD
1051	82183	2324-0421	01B	
1052	82184	0537-0941	01B	
1053	82184	1238-1755	01B	DNA:1436-1515
1054	82184	2115-0032	01B	
1055	82185	0114-0208	01B	LMCD
1056	82185	0449-1140	01B	
1057	82185	1215-1453	01B	LMCD
1058	82185	1759-0050	01B	LMCD
1059	82186	0511-0900	01B	LMCD
1060	82186	0925-1147	01B	LMCD
1061	82186	1237-1552	01B	LMCD
1062	82186	1952-0031	01B	LMCD
1063	82187	0109-0203	01B	LMCD
1064	82187	0444-1135	01B	LMCD
1065	82187	1210-1448	01B	LMCD
1066	82187	1754-0045	oo	
1067	82188	0506-0855	oo	
1068	82188	0920-1142	01B	LMCD
1069	82188	1232-1547	01B	LMCD
1070	82188	1947-0026	01B	LMCD
1071	82189	0244-0935	01B	LMCD
1072	82189	1035-1635	01B	LMCD
1073	82189	1835-0126	01B	DNA:1945-2200
1074	82190	0404-0950	oo	
1075	82190	1105-1646	oo	
1076	82190	1946-0130	01B	LMCD
1077	82191	0239-0930	01B	LMCD
1078	82191	1030-1630	01B	LMCD. DNA:1429-1547
1079	82191	1830-0121	01B	
1080	82192	0359-0945	01B	DNA:0700-0945
1081	82192	1100-1641	01B	LMCD
1082	82192	1941-0125	01B	LMCD
1083	82193	0454-1145	01B	LMCD
1084	82193	1220-1602	01B	LMCD
1085	82193	1835-0126	01B	LMCD
1086	82194	0410-0815	01B	LMCD
1087	82194	0925-1128	oo	
1088	82194	1214-1735	01B	LMCD
1089	82194	1940-0018	01B	
1090	82195	0449-1140	01B	LMCD
1091	82195	1215-1557	01B	LMCD
1092	82195	1830-0121	01B	LMCD
1093	82196	0405-0810	01B	LMCD
1094	82196	0920-1123	01B	LMCD
1095	82196	1209-1730	01B	
1096	82196	1935-0013	01B	LMCD
1097	82197	0120-0635	01B	BMD:0522-0623
1098	82197	0841-1355	01B	
1099	82197	1514-2029	01B	
1100	82197	2150-0305	oo	
1101	82198	0511-1026	nd	DNA:0511-1026
1102	82198	1157-1700	nd	DNA:1157-1700
1103	82198	1830-2339	nd	DNA:1830-2339
1104	82199	0115-0630	nd	DNA:0115-0630
1105	82199	0836-1350	nd	DNA:0836-1350
1106	82199	1509-2024	01B	
1107	82199	2145-0140	nd	DNA:2145-0140
1108	82201	0418-1109	nd	DNA:0418-1109
1109	82201	1120-1150	nd	DNA:1120-1150
1110	82201	1250-1356	nd	DNA:1250-1356
1111	82201	1715-2150	nd	DNA:1715-2150
1112	82202	0114-0805	nd	DNA:0114-0805
1113	82202	0915-1102	nd	DNA:0915-1102
1114	82202	1152-1802	01B	DNA: 1152-1321 & 1443-1802
1115	82202	2028-0002	nd	DNA:2028-0002
1116	82203	0038-0202	nd	DNA:0038-0202
1117	82203	0400-1051	nd	DNA:0400-1051
1118	82203	1121-1400	nd	DNA:1121-1400
1119	82203	1614-2020	nd	DNA:1614-2020
1120	82203	2109-2309	nd	DNA:2109-2309
1121	82204	0209-0900	01B	
1122	82204	0925-1121	nd	DNA:0925-1121
1123	82204	1230-1708	nd	DNA:1230-1708
1124	82204	1838-2359	nd	DNA:1838-2359
1125	82205	0033-0157	nd	DNA:0033-0157
1126	82207	1733-0024	nd	DNA:1733-0024
1127	82208	0204-0855	nd	DNA:0204-0855
1128	82208	1920-2248	oo	
1129	82209	0112-0245	01B	
1130	82209	0415-0910	oo	
1131	82209	1115-1527	01B	Tape Recorder Off, 1402-1527
1132	82209	1728-0019	01B	
1133	82210	0159-0750	01B	DNA: 0159-0240;0447-0750.
1134	82210	0920-1109	01B	m1333 -8V ap.bias
1135	82210	1217-1552	01B	LMCD
1136	82210	1915-2243	01B	
1137	82211	0211-0652	01B	CMMSL01 mode
1138	82211	1030-1318	01B	
1139	82211	1323-1452	01B	
1140	82211	1733-1749	01B	HI04 ap.bias
1141	82211	1753-2033	01B	DNA: 1840-2033
1142	82211	2311-0325	01B	
1143	82212	0625-1100	01B	
1144	82212	1300-1705	01B	
1145	82212	1915-2355	01B	
1146	82213	0206-0647	01B	
1147	82213	1025-1313	01B	LMCD
1148	82213	1318-1447	01B	
1149	82213	1728-1744	no	Not enough data to archive.
1150	82213	1748-2028	01B	
1151	82213	2306-0320	01B	M1333 mode -8v ap.bias
1152	82214	0620-1055	01B	
1153	82214	1255-1700	01B	
1154	82214	1910-2350	01B	B field problem: 2340-2350
1155	82215	0201-0642	01B	
1156	82215	1020-1308	01B	LMCD
1157	82215	1313-1442	01B	
1158	82215	1723-1739	01B	

1159	82215	1743-2023	01B	
1160	82215	2301-0315	01B	
1161	82216	0615-1050	01B	
1162	82216	1250-1655	01B	
1163	82216	1905-2345	01B	
1164	82217	0404-0851	01B	DNA: 0426-0515;0614-0747
1165	82217	1017-1307	01B	LMCD
1166	82217	1555-2130	01B	mass mode upwelling:2010
1167	82217	2330-0136	01B	
1168	82218	0336-1000	01B	LMCD.
1169	82218	1205-1435	01B	LMCD
1170	82218	1850-2141	01B	
1171	82219	0048-0511	01B	LMCD
1172	82219	0802-0920	01B	
1173	82219	1012-1302	00	
1174	82219	1550-2125	01B	DNA:1909-2125
1175	82219	2325-0131	01B	
1176	82220	0331-0955	00	
1177	82220	1200-1430	01B	
1178	82220	1845-2136	01B	DNA: 1932-2009
1179	82221	0125-0716	01B	mass mode, no data 0444-0531
1180	82221	0926-1359	01B	no data 1158-1327
1181	82221	1559-1946	01B	
1182	82221	2116-0025	00	
1183	82222	0325-0757	01B	
1184	82222	1057-1355	01B	DNA:1130-1200 Other gaps also
1185	82222	1653-2226	01B	
1186	82223	0120-0711	01B	
1187	82223	0921-1354	01B	No data 1235-1354
1188	82223	1554-1941	01B	
1189	82223	2111-0020	01B	
1190	82224	0320-0752	01B	DNA: 0402-0413
1191	82224	1052-1350	01B	
1192	82224	1648-2221	01B	
1193	82225	0010-0210	01B	
1194	82225	0342-0612	01B	
1195	82225	0750-1243	01B	
1196	82225	1543-1938	00	
1197	82225	2313-0604	01B	Noise after about 0330
1198	82226	0918-1253	01B	Random high counts
1199	82226	1553-1735	01B	
1200	82226	1935-2211	01B	DNA: 2112-2211
1201	82227	0005-0205	01B	DNA: 0005-0012
1202	82227	0337-0607	01B	
1203	82227	0745-1238	01B	
1204	82227	1538-1933	01B	
1205	82227	2308-0559	01B	
1206	82228	0913-1248	01B	
1207	82228	1548-1730	01B	
1208	82228	1930-2206	01B	
1209	82229	0106-0510	00	
1210	82229	0654-1035	01B	
1211	82229	1235-1338	01B	
1212	82229	1538-2020	01B	
1213	82229	2336-0627	01B	

END OF LISTING

IV. DE1/RIMS 1982 INSTRUMENT MODES

The RIMS instrument, being programmable by spacecraft major and minor mode commands, operated in a variety of survey modes during the experiment lifetime. The operating sequence is controlled by an internal memory in the CEA which is programmed by ground command. The RIMS commonly performed two basic operational functions during the mission: (1) The RPA voltage is swept over a selected range for a given mass/charge and, (2) the RPA voltage is set to zero and a sweep is made over a selected mass/charge range. There are several variations of these modes, several specialized modes, and several combinations of sweeps, aperture biasing, and cycling patterns.

Users of the RIMS MAF data sets must be aware of the instrument mode setting for the segment of data being analyzed. The documentation data set, a listing of which accompanies this set of summary spectrograms, lists the RIMS minor mode B commands employed during the mission, keyed to the data's universal time. Brief information on the meaning of the mode mnemonics is given with that listing.

The following is a summary of the RIMS nominal operating modes:

IMSON, RPAON, APPON: "Turn-on" and initiation commands.

STOPIT: "Turn-off" command.

HIXXZ: A family of modes in which the instrument is measuring only one mass/charge pair and concentrating on either high mass/charge or angular resolution. The two unspecified locations in the mnemonic denoted by X will specify the heavier of the pair while the location denoted by Z refers to an RPA program.

XVXXZ: A family of survey modes in which the instrument splits its observing pattern between the H⁺/He⁺ mass/charge pair and one other mass/charge pair. The definition of

the unspecified location is the same as in the previous case. The total cycle time is 16 sec.

SXYYZ: The alternate memory is used to observed the H⁺/He⁺ pair and the normal memory to observe another mass/charge pair. The XX denotes the heavier of the mass/charge pair under normal memory control. Each mass/charge pair is sampled for 8 sec. Total cycle time is 16 sec.

TXYYZ: A survey mode which is similar to the previous survey mode with the exception of the sequencing pattern. In this case, the H⁺/He⁺ setting is maintained for 8 sec with an RPA cycle each 0.25 sec. In the subsequent 8-sec half of the cycle time, the instrument toggles between the alternate mass/charge pairs each 0.25 sec. The total cycle time is 16 sec.

MXYYZ: A mass/charge sweep mode starting at mass/charge XX and ending at mass/charge YY. The specified mass/charge numbers are those of the heavy mass channel. The lower mass channel is operating and measuring mass/charge species of 1/4 the high mass values. Note: The sweep may not be continuous within the specified range if prior instrument experience has indicated that certain mass/charge numbers are unpopulated. The cycle time is 0.5 sec.

CXXYY: A mass/charge sweep mode with interspersed RPA analysis of the H⁺/He⁺ pair. The cycle time is 16 sec.

SHXXY: A special mode for high latitude studies. The three ions O⁺, H⁺, and He⁺ are measured with RPA scans for each. The cycle time is 1/2 sec.

SSZZZ: Special science modes designed after launch. Contact RIMS science team.

PLPHN: Plasma mode used to investigate spacecraft/plasma interactions. Geophysical data may be available, but will require special interpretation. N is the program number.

INSTR: Instrument check out, test, and calibration modes.

Note that the instrument may be operating with an additional potential applied to the entrance aperture. The start-up command APPON normally indicates the start of an aperture bias sequence although exceptions do exist within the data set. The following commands identify the applied bias voltage:

NAMMAP2X	-2 volts
NAMMAP4X	-4 volts
NAMMAP8X	-8 volts
PH20AAAA	-2 volts
PH20ADTD	-2 volts
PH40AAAA	-4 volts
PH40ADTD	-4 volts
PH80AAAA	-8 volts
PH80ADAA	-8 volts
PH80ADTD	-8 volts
PL80ADAA	-8 volts
HI04A02X	-2 volts
HI04A03X	-4 volts
HI04A04X	-8 volts
SH16M02X	-8 volts

SSNV801X	-8 volts
SSNV01X	-8 volts
T816Q03X	-2 volts
T816Q04X	-4 volts
T816205X	-8 volts
SS04P01	-8 volts

The convention of naming modes as given above was generally but not rigorously followed, i.e., there may be times in which a mass/charge scan mode MXXYY alternated with measurement of H⁺/He⁺. Studies of the RIMS data set should be conducted only with a thorough understanding of the RIMS operational modes and the instrument response to these modes.

In the listing that follows, the year and daynumber is coded as (YEAR-1980) * 1000 + DAYNUMBER. The universal time of day is coded as HHMMSS.

BEGIN LISTING							
2109 220000 APPON	2109 225300 SH16M02X	2109 234800 SH16M03X	2110 004300 SH16M02X	2114 045500 STOPIT			
2109 220016 SH16M01	2109 225400 SH16M03X	2109 234900 SH16M02X	2110 004400 SH16M03X	2114 055500 IMSON			
2109 220100 SH16M02X	2109 225500 SH16M02X	2109 235000 SH16M03X	2110 004500 SH16M03X	2114 055516 SS28M01			
2109 220200 SH16M03X	2109 225600 SH16M03X	2109 235100 SH16M02X	2110 004700 SH16M03X	2114 074500 STOPIT			
2109 220300 SH16M02X	2109 225700 SH16M02X	2109 235200 SH16M03X	2110 004800 STOPIT	2114 082400 IMSON			
2109 220400 SH16M03X	2109 225800 SH16M03X	2109 235300 SH16M02X	2110 005000 IMSON	2114 082416 SS28M01			
2109 220500 SH16M02X	2109 225900 SH16M02X	2109 235400 SH16M03X	2110 005016 M083201	2114 143800 STOPIT			
2109 220600 SH16M03X	2109 230000 SH16M03X	2109 235500 SH16M02X	2110 020000 STOPIT	2114 153800 APPON			
2109 220700 SH16M02X	2109 230100 SH16M02X	2109 235600 SH16M03X	2110 040500 IMSON	2114 153816 SH16M01			
2109 220800 SH16M03X	2109 230200 SH16M03X	2109 235700 SH16M02X	2110 040516 SS28M01	2114 153916 SH16M02X			
2109 220900 SH16M02X	2109 230300 SH16M02X	2109 235800 SH16M03X	2110 085500 STOPIT	2114 175500 STOPIT			
2109 221000 SH16M03X	2109 230400 SH16M03X	2109 235900 SH16M02X	2110 110500 IMSON	2114 222600 IMSON			
2109 221100 SH16M02X	2109 230500 SH16M02X	2110 000000 SH16M03X	2110 110516 SS28M01	2114 222616 T816Q02			
2109 221200 SH16M03X	2109 230600 SH16M03X	2110 000100 SH16M02X	2110 175500 STOPIT	2115 051700 STOPIT			
2109 221300 SH16M02X	2109 230700 SH16M02X	2110 000200 SH16M03X	2110 212500 IMSON	2115 072600 IMSON			
2109 221400 SH16M03X	2109 230800 SH16M03X	2110 000300 SH16M02X	2110 212516 T816Q02	2115 072616 SS28M01			
2109 221500 SH16M02X	2109 230900 SH16M02X	2110 000400 SH16M03X	2111 041500 STOPIT	2115 111100 STOPIT			
2109 221600 SH16M03X	2109 231000 SH16M03X	2110 000500 SH16M02X	2111 053500 IMSON	2115 114500 IMSON			
2109 221700 SH16M02X	2109 231100 SH16M02X	2110 000600 SH16M03X	2111 053516 SS28M01	2115 114516 SS28M01			
2109 221800 SH16M03X	2109 231200 SH16M03X	2110 000700 SH16M02X	2111 111800 STOPIT	2115 154200 STOPIT			
2109 221900 SH16M02X	2109 231300 SH16M02X	2110 000800 SH16M03X	2111 115100 IMSON	2115 185500 IMSON			
2109 222000 SH16M03X	2109 231400 SH16M03X	2110 000900 SH16M02X	2111 115116 SS28M01	2115 185516 T816Q02			
2109 222100 SH16M02X	2109 231500 SH16M02X	2110 001000 SH16M03X	2111 184200 STOPIT	2116 014600 STOPIT			
2109 222200 SH16M03X	2109 231600 SH16M03X	2110 001100 SH16M02X	2111 224200 IMSON	2116 024100 IMSON			
2109 222300 SH16M02X	2109 231700 SH16M02X	2110 001200 SH16M03X	2111 224216 T816Q02	2116 024116 SS04P01			
2109 222400 SH16M03X	2109 231800 SH16M03X	2110 001300 SH16M02X	2112 012600 STOPIT	2116 050000 STOPIT			
2109 222500 SH16M02X	2109 231900 SH16M02X	2110 001400 SH16M03X	2112 022600 APPON	2116 060000 IMSON			
2109 222600 SH16M03X	2109 232000 SH16M03X	2110 001500 SH16M02X	2112 022616 T816Q02	2116 060016 SS28M01			
2109 222700 SH16M02X	2109 232100 SH16M02X	2110 001600 SH16M03X	2112 022716 T816Q05X	2116 074000 STOPIT			
2109 222800 SH16M03X	2109 232200 SH16M03X	2110 001700 SH16M02X	2112 050000 STOPIT	2116 082000 IMSON			
2109 222900 SH16M02X	2109 232300 SH16M02X	2110 001800 SH16M03X	2112 060000 IMSON	2116 082016 SS28M01			
2109 223000 SH16M03X	2109 232400 SH16M03X	2110 001900 SH16M02X	2112 060016 SS28M01	2116 143400 STOPIT			
2109 223100 SH16M02X	2109 232500 SH16M02X	2110 002000 SH16M03X	2112 075000 STOPIT	2116 190000 IMSON			
2109 223200 SH16M03X	2109 232600 SH16M03X	2110 002100 SH16M02X	2112 082900 IMSON	2116 190016 T816Q02			
2109 223300 SH16M02X	2109 232700 SH16M02X	2110 002200 SH16M03X	2112 082916 SS28M01	2117 015100 STOPIT			
2109 223400 SH16M03X	2109 232800 SH16M03X	2110 002300 SH16M02X	2112 144300 STOPIT	2117 030000 APPON			
2109 223500 SH16M02X	2109 232900 SH16M02X	2110 002400 SH16M03X	2112 154300 APPON	2117 030016 SH16M01			
2109 223600 SH16M03X	2109 233000 SH16M03X	2110 002500 SH16M02X	2112 154316 SH16M01	2117 030116 SH16M02X			
2109 223700 SH16M02X	2109 233100 SH16M02X	2110 002600 SH16M03X	2112 154416 SH16M02X	2117 040900 STOPIT			
2109 223800 SH16M03X	2109 233200 SH16M03X	2110 002700 SH16M02X	2112 180000 STOPIT	2117 080400 IMSON			
2109 223900 SH16M02X	2109 233300 SH16M02X	2110 002800 SH16M03X	2112 223100 IMSON	2117 080416 SS28M01			
2109 224000 SH16M03X	2109 233400 SH16M03X	2110 002900 SH16M02X	2112 223116 T816Q02	2117 110800 STOPIT			
2109 224100 SH16M02X	2109 233500 SH16M02X	2110 003000 SH16M03X	2113 052200 STOPIT	2117 114400 IMSON			
2109 224200 SH16M03X	2109 233600 SH16M03X	2110 003100 SH16M02X	2113 073100 IMSON	2117 114416 SS28M01			
2109 224300 SH16M02X	2109 233700 SH16M02X	2110 003200 SH16M03X	2113 073116 SS28M01	2117 140000 STOPIT			
2109 224400 SH16M03X	2109 233800 SH16M03X	2110 003300 SH16M02X	2113 111600 STOPIT	2117 172000 IMSON			
2109 224500 SH16M02X	2109 233900 SH16M02X	2110 003400 SH16M03X	2113 115000 IMSON	2117 172016 T816Q02			
2109 224600 SH16M03X	2109 234000 SH16M03X	2110 003500 SH16M02X	2113 115016 SS28M01	2118 001100 STOPIT			
2109 224700 SH16M02X	2109 234100 SH16M02X	2110 003600 SH16M03X	2113 154700 STOPIT	2118 232500 APPON			
2109 224800 SH16M03X	2109 234200 SH16M03X	2110 003700 SH16M02X	2113 190000 IMSON	2118 232516 T816Q02			
2109 224900 SH16M02X	2109 234300 SH16M02X	2110 003800 SH16M03X	2113 190016 T816Q02	2118 232616 T816Q05X			
2109 225000 SH16M03X	2109 234400 SH16M03X	2110 003900 SH16M02X	2114 015100 STOPIT	2118 232756 STOPIT			
2109 225100 SH16M02X	2109 234500 SH16M02X	2110 004000 SH16M03X	2114 022100 APPON	2119 022200 IMSON			
2109 225200 SH16M03X	2109 234600 SH16M03X	2110 004100 SH16M02X	2114 022116 T816Q02	2119 022216 SS04P01			
	2109 234700 SH16M02X	2110 004200 SH16M03X	2114 022216 T816Q05X	2119 040000 STOPIT			

DE 1/RIMS 1982 Instrument Modes

2119	060000	APPON	2125	142500	SH16M03X	2125	155700	SH16M03X	2127	141400	SH16M03X	2127	154600	SH16M03X
2119	060016	SH16M01	2125	142600	SH16M02X	2125	155800	SH16M02X	2127	141500	SH16M02X	2127	154700	SH16M02X
2119	060116	SH16M02X	2125	142700	SH16M03X	2125	155900	SH16M03X	2127	141600	SH16M03X	2127	154800	SH16M03X
2119	110000	STOPIT	2125	142800	SH16M02X	2125	160000	SH16M02X	2127	141700	SH16M02X	2127	154900	SH16M02X
2119	120000	IMSON	2125	142900	SH16M03X	2125	160100	SH16M03X	2127	141800	SH16M03X	2127	155000	SH16M03X
2119	120016	T816Q02	2125	143000	SH16M02X	2125	160200	SH16M02X	2127	141900	SH16M02X	2127	155100	SH16M02X
2119	185100	STOPIT	2125	143100	SH16M03X	2125	160300	SH16M03X	2127	142000	SH16M03X	2127	155200	SH16M03X
2119	232200	IMSON	2125	143200	SH16M02X	2125	160400	SH16M02X	2127	142100	SH16M02X	2127	155300	SH16M02X
2119	232216	T816Q02	2125	143300	SH16M03X	2125	160500	SH16M03X	2127	142200	SH16M03X	2127	155400	SH16M03X
2120	060000	STOPIT	2125	143400	SH16M02X	2125	160600	SH16M02X	2127	142300	SH16M02X	2127	155500	SH16M02X
2120	070500	IMSON	2125	143500	SH16M03X	2125	160700	SH16M03X	2127	142400	SH16M03X	2127	155600	SH16M03X
2120	070516	T816Q02	2125	143600	SH16M02X	2125	160800	SH16M02X	2127	142500	SH16M02X	2127	155700	SH16M02X
2120	082900	STOPIT	2125	143700	SH16M03X	2125	160900	SH16M03X	2127	142600	SH16M03X	2127	155800	SH16M03X
2120	094500	IMSON	2125	143800	SH16M02X	2125	161000	SH16M02X	2127	142700	SH16M02X	2127	155900	SH16M02X
2120	094516	M133301	2125	143900	SH16M03X	2125	161100	SH16M03X	2127	142800	SH16M03X	2127	160000	SH16M03X
2120	163600	STOPIT	2125	144000	SH16M02X	2125	161200	SH16M02X	2127	142900	SH16M02X	2127	160100	SH16M02X
2120	183600	APPON	2125	144100	SH16M03X	2125	161300	SH16M03X	2127	143000	SH16M03X	2127	160200	SH16M03X
2120	183616	SH16M01	2125	144200	SH16M02X	2125	161400	SH16M02X	2127	143100	SH16M02X	2127	160300	SH16M02X
2120	183716	SH16M02X	2125	144300	SH16M03X	2125	161500	SH16M03X	2127	143200	SH16M03X	2127	160400	SH16M03X
2120	211100	STOPIT	2125	144400	SH16M02X	2125	161600	SH16M02X	2127	143300	SH16M02X	2127	160500	SH16M02X
2120	235000	APPON	2125	144500	SH16M03X	2125	161700	SH16M03X	2127	143400	SH16M03X	2127	160600	SH16M03X
2120	235016	T816Q02	2125	144600	SH16M02X	2125	161800	SH16M02X	2127	143500	SH16M02X	2127	160700	SH16M02X
2120	235116	T816Q05X	2125	144700	SH16M03X	2125	161900	SH16M03X	2127	143600	SH16M03X	2127	160800	SH16M03X
2121	035900	STOPIT	2125	144800	SH16M02X	2125	162000	SH16M02X	2127	143700	SH16M02X	2127	160900	SH16M02X
2121	084000	IMSON	2125	144900	SH16M03X	2125	162100	SH16M03X	2127	143800	SH16M03X	2127	161000	SH16M03X
2121	084016	M133301	2125	145000	SH16M02X	2125	162200	SH16M02X	2127	143900	SH16M02X	2127	161100	SH16M02X
2121	153100	STOPIT	2125	145100	SH16M03X	2125	162300	SH16M03X	2127	144000	SH16M03X	2127	161200	SH16M03X
2121	171600	IMSON	2125	145200	SH16M02X	2125	162400	SH16M02X	2127	144100	SH16M02X	2127	161300	SH16M02X
2121	171616	T816Q02	2125	145300	SH16M03X	2125	162500	SH16M03X	2127	144200	SH16M03X	2127	161400	SH16M03X
2121	190000	STOPIT	2125	145400	SH16M02X	2125	162600	SH16M02X	2127	144300	SH16M02X	2127	161500	SH16M02X
2121	231700	IMSON	2125	145500	SH16M03X	2125	162700	SH16M03X	2127	144400	SH16M03X	2127	161600	SH16M03X
2121	231716	T816Q02	2125	145600	SH16M02X	2125	162800	SH16M02X	2127	144500	SH16M02X	2127	161700	SH16M02X
2122	055500	STOPIT	2125	145700	SH16M03X	2125	162900	SH16M03X	2127	144600	SH16M03X	2127	161800	SH16M03X
2122	070000	IMSON	2125	145800	SH16M02X	2125	163000	SH16M02X	2127	144700	SH16M02X	2127	161900	SH16M02X
2122	070016	T816Q02	2125	145900	SH16M03X	2125	163100	SH16M03X	2127	144800	SH16M03X	2127	162000	SH16M03X
2122	082400	STOPIT	2125	150000	SH16M02X	2125	163200	SH16M02X	2127	144900	SH16M02X	2127	162100	SH16M02X
2122	094000	IMSON	2125	150100	SH16M03X	2125	163300	SH16M03X	2127	145000	SH16M03X	2127	162200	SH16M03X
2122	094016	M133301	2125	150200	SH16M02X	2125	163400	SH16M02X	2127	145100	SH16M02X	2127	162300	SH16M02X
2122	163100	STOPIT	2125	150300	SH16M03X	2125	163500	SH16M03X	2127	145200	SH16M03X	2127	162400	SH16M03X
2122	183100	APPON	2125	150400	SH16M02X	2125	163600	SH16M02X	2127	145300	SH16M02X	2127	162500	SH16M02X
2122	183116	SH16M01	2125	150500	SH16M03X	2125	163700	SH16M03X	2127	145400	SH16M03X	2127	162600	SH16M03X
2122	183216	SH16M02X	2125	150600	SH16M02X	2125	163800	SH16M02X	2127	145500	SH16M02X	2127	162700	SH16M02X
2122	210500	STOPIT	2125	150700	SH16M03X	2125	163900	SH16M03X	2127	145600	SH16M03X	2127	162800	SH16M03X
2122	234500	APPON	2125	150800	SH16M02X	2125	164000	SH16M02X	2127	145700	SH16M02X	2127	162900	SH16M02X
2122	234516	T816Q02	2125	150900	SH16M03X	2125	164100	SH16M03X	2127	145800	SH16M03X	2127	163000	SH16M03X
2122	234616	T816Q05X	2125	151000	SH16M02X	2125	164200	SH16M02X	2127	145900	SH16M02X	2127	163100	SH16M02X
2123	035400	STOPIT	2125	151100	SH16M03X	2125	164300	SH16M03X	2127	150000	SH16M03X	2127	163200	SH16M03X
2123	083500	IMSON	2125	151200	SH16M02X	2125	164400	SH16M02X	2127	150100	SH16M02X	2127	163300	SH16M02X
2123	083516	M133301	2125	151300	SH16M03X	2125	164500	SH16M03X	2127	150200	SH16M03X	2127	163400	SH16M03X
2123	152600	STOPIT	2125	151400	SH16M02X	2125	164600	SH16M02X	2127	150300	SH16M02X	2127	163500	SH16M02X
2123	171100	IMSON	2125	151500	SH16M03X	2125	164700	SH16M03X	2127	150400	SH16M03X	2127	163600	SH16M03X
2123	171116	T816Q02	2125	151600	SH16M02X	2125	164800	SH16M02X	2127	150500	SH16M02X	2127	163700	SH16M02X
2123	185500	STOPIT	2125	151700	SH16M03X	2125	164900	SH16M03X	2127	150600	SH16M03X	2127	163800	SH16M03X
2123	232000	IMSON	2125	151800	SH16M02X	2125	165000	SH16M02X	2127	150700	SH16M02X	2127	163900	SH16M02X
2123	232016	M133301	2125	151900	SH16M03X	2125	165200	SH16M03X	2127	150800	SH16M03X	2127	164000	SH16M03X
2124	052000	STOPIT	2125	152000	SH16M02X	2125	165300	STOPIT	2127	150900	SH16M02X	2127	164100	SH16M02X
2124	065300	IMSON	2125	152100	SH16M03X	2125	170500	IMSON	2127	151000	SH16M03X	2127	164200	SH16M03X
2124	065316	M133301	2125	152200	SH16M02X	2125	170516	M133301	2127	151100	SH16M02X	2127	164300	SH16M02X
2124	081500	STOPIT	2125	152300	SH16M03X	2125	200500	STOPIT	2127	151200	SH16M03X	2127	164400	SH16M03X
2124	091500	IMSON	2125	152400	SH16M02X	2125	231700	IMSON	2127	151300	SH16M02X	2127	164500	SH16M03X
2124	091516	T816Q02	2125	152500	SH16M03X	2125	231716	T816Q02	2127	151400	SH16M03X	2127	164700	SH16M03X
2124	160600	STOPIT	2125	152600	SH16M02X	2126	044700	STOPIT	2127	151500	SH16M02X	2127	164800	STOPIT
2124	203500	IMSON	2125	152700	SH16M03X	2126	054700	IMSON	2127	151600	SH16M03X	2127	170000	IMSON
2124	203516	M133301	2125	152800	SH16M02X	2126	054716	T816Q02	2127	151700	SH16M02X	2127	170016	M133301
2125	012800	STOPIT	2125	152900	SH16M03X	2126	123800	STOPIT	2127	151800	SH16M03X	2127	200000	STOPIT
2125	024700	IMSON	2125	153000	SH16M02X	2126	133800	IMSON	2127	151900	SH16M02X	2127	231200	IMSON
2125	024716	T816Q02	2125	153100	SH16M03X	2126	133816	M133301	2127	152000	SH16M03X	2127	231216	T816Q02
2125	045000	STOPIT	2125	153200	SH16M02X	2126	170000	STOPIT	2127	152100	SH16M02X	2128	044200	STOPIT
2125	060500	IMSON	2125	153300	SH16M03X	2126	202950	IMSON	2127	152200	SH16M03X	2128	054200	IMSON
2125	060516	CS04L01	2125	153400	SH16M02X	2126	203006	M133301	2127	152300	SH16M02X	2128	054216	T816Q02
2125	125600	STOPIT	2125	153500	SH16M03X	2127	012250	STOPIT	2127	152400	SH16M03X	2128	123300	STOPIT
2125	140500	APPON	2125	153600	SH16M02X	2127	024200	IMSON	2127	152500	SH16M02X	2128	133300	IMSON
2125	140516	SH16M01	2125	153700	SH16M03X	2127	024216	T816Q02	2127	152600	SH16M03X	2128	133316	M133301
2125	140600	SH16M02X	2125	153800	SH16M02X	2127	044500	STOPIT	2127	152700	SH16M02X	2128	165500	STOPIT
2125	140700	SH16M03X	2125	153900	SH16M03X	2127	060000	IMSON	2127	152800	SH16M03X	2128	202300	IMSON
2125	140800	SH16M02X	2125	154000	SH16M02X	2127	060016	CMMSL01	2127	152900	SH16M02X	2128	202316	M133301
2125	140900	SH16M03X	2125	154100	SH16M03X	2127	125100	STOPIT	2127	153000	SH16M03X	2129	012500	

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2130 130500	APPON	2130 143600	T816Q02X	2130 160900	T816Q02X	2130 174100	T816Q02X	2130 191300	T816Q02X
2130 130516	T816Q02	2130 143700	T816Q03X	2130 161000	T816Q04X	2130 174200	T816Q05X	2130 191400	T816Q03X
2130 130600	T816Q02X	2130 143800	T816Q02X	2130 161100	T816Q02X	2130 174300	T816Q02X	2130 191500	T816Q02X
2130 130700	T816Q03X	2130 143900	T816Q04X	2130 161200	T816Q05X	2130 174400	T816Q03X	2130 191600	T816Q04X
2130 130800	T816Q02X	2130 144000	T816Q02X	2130 161300	T816Q02X	2130 174500	T816Q02X	2130 191700	T816Q02X
2130 130900	T816Q04X	2130 144100	T816Q05X	2130 161400	T816Q03X	2130 174600	T816Q04X	2130 191800	T816Q05X
2130 131000	T816Q02X	2130 144200	T816Q02X	2130 161500	T816Q02X	2130 174700	T816Q02X	2130 191900	T816Q02X
2130 131100	T816Q05X	2130 144300	T816Q03X	2130 161600	T816Q04X	2130 174800	T816Q05X	2130 192000	T816Q03X
2130 131200	T816Q02X	2130 144400	T816Q02X	2130 161700	T816Q02X	2130 174900	T816Q02X	2130 192100	T816Q02X
2130 131300	T816Q03X	2130 144500	T816Q04X	2130 161800	T816Q05X	2130 175000	T816Q03X	2130 192200	T816Q04X
2130 131400	T816Q02X	2130 144600	T816Q02X	2130 161900	T816Q02X	2130 175100	T816Q02X	2130 192300	T816Q02X
2130 131500	T816Q04X	2130 144700	T816Q05X	2130 162000	T816Q03X	2130 175200	T816Q04X	2130 192400	T816Q05X
2130 131600	T816Q02X	2130 144800	T816Q02X	2130 162100	T816Q02X	2130 175300	T816Q02X	2130 192500	T816Q02X
2130 131700	T816Q05X	2130 144900	T816Q03X	2130 162200	T816Q04X	2130 175400	T816Q05X	2130 192600	T816Q03X
2130 131800	T816Q02X	2130 145000	T816Q02X	2130 162300	T816Q02X	2130 175500	T816Q02X	2130 192700	T816Q02X
2130 131900	T816Q03X	2130 145100	T816Q04X	2130 162400	T816Q05X	2130 175600	T816Q03X	2130 192800	T816Q04X
2130 132000	T816Q02X	2130 145200	T816Q02X	2130 162500	T816Q02X	2130 175700	T816Q02X	2130 192900	T816Q02X
2130 132100	T816Q04X	2130 145300	T816Q05X	2130 162600	T816Q03X	2130 175800	T816Q04X	2130 193000	T816Q05X
2130 132200	T816Q02X	2130 145400	T816Q02X	2130 162700	T816Q02X	2130 175900	T816Q02X	2130 193100	T816Q02X
2130 132300	T816Q05X	2130 145500	T816Q03X	2130 162800	T816Q04X	2130 180000	T816Q05X	2130 193200	T816Q03X
2130 132400	T816Q02X	2130 145600	T816Q02X	2130 162900	T816Q02X	2130 180100	T816Q02X	2130 193300	T816Q02X
2130 132500	T816Q03X	2130 145700	T816Q04X	2130 163000	T816Q05X	2130 180200	T816Q03X	2130 193400	T816Q04X
2130 132600	T816Q02X	2130 145800	T816Q02X	2130 163100	T816Q02X	2130 180300	T816Q02X	2130 193500	T816Q02X
2130 132700	T816Q04X	2130 145900	T816Q05X	2130 163200	T816Q03X	2130 180400	T816Q04X	2130 193600	T816Q05X
2130 132800	T816Q02X	2130 150000	T816Q02X	2130 163300	T816Q02X	2130 180500	T816Q02X	2130 193700	T816Q02X
2130 132900	T816Q05X	2130 150100	T816Q03X	2130 163400	T816Q04X	2130 180600	T816Q05X	2130 193800	T816Q03X
2130 133000	T816Q02X	2130 150200	T816Q02X	2130 163500	T816Q02X	2130 180700	T816Q02X	2130 193900	T816Q02X
2130 133100	T816Q03X	2130 150300	T816Q04X	2130 163600	T816Q05X	2130 180800	T816Q03X	2130 194000	T816Q04X
2130 133200	T816Q02X	2130 150400	T816Q02X	2130 163700	T816Q02X	2130 180900	T816Q02X	2130 194100	T816Q02X
2130 133300	T816Q04X	2130 150500	T816Q05X	2130 163800	T816Q03X	2130 181000	T816Q04X	2130 194200	T816Q05X
2130 133400	T816Q02X	2130 150600	T816Q02X	2130 163900	T816Q02X	2130 181100	T816Q02X	2130 194300	T816Q02X
2130 133500	T816Q05X	2130 150700	T816Q03X	2130 164000	T816Q04X	2130 181200	T816Q05X	2130 194400	T816Q03X
2130 133600	T816Q02X	2130 150800	T816Q02X	2130 164100	T816Q02X	2130 181300	T816Q02X	2130 194500	T816Q02X
2130 133700	T816Q03X	2130 150900	T816Q04X	2130 164200	T816Q05X	2130 181400	T816Q03X	2130 194600	T816Q04X
2130 133800	T816Q02X	2130 151000	T816Q02X	2130 164300	T816Q02X	2130 181500	T816Q02X	2130 194700	T816Q02X
2130 133900	T816Q04X	2130 151100	T816Q05X	2130 164400	T816Q03X	2130 181600	T816Q04X	2130 194800	T816Q05X
2130 134000	T816Q02X	2130 151200	T816Q02X	2130 164500	T816Q02X	2130 181700	T816Q02X	2130 194900	T816Q02X
2130 134100	T816Q05X	2130 151300	T816Q03X	2130 164600	T816Q04X	2130 181800	T816Q05X	2130 195000	T816Q03X
2130 134200	T816Q02X	2130 151400	T816Q02X	2130 164700	T816Q02X	2130 181900	T816Q02X	2130 195100	T816Q02X
2130 134300	T816Q03X	2130 151500	T816Q04X	2130 164800	T816Q05X	2130 182000	T816Q03X	2130 195200	T816Q04X
2130 134400	T816Q02X	2130 151600	T816Q02X	2130 164900	T816Q02X	2130 182100	T816Q02X	2130 195300	T816Q02X
2130 134500	T816Q04X	2130 151700	T816Q05X	2130 165000	T816Q03X	2130 182200	T816Q04X	2130 195400	T816Q05X
2130 134600	T816Q02X	2130 151800	T816Q02X	2130 165100	T816Q02X	2130 182300	T816Q02X	2130 195500	T816Q02X
2130 134700	T816Q05X	2130 151900	T816Q03X	2130 165200	T816Q04X	2130 182400	T816Q05X	2130 195600	STOPIT
2130 134800	T816Q02X	2130 152000	T816Q02X	2130 165300	T816Q02X	2130 182500	T816Q02X	2130 214700	APPON
2130 134900	T816Q03X	2130 152100	T816Q04X	2130 165400	T816Q05X	2130 182600	T816Q03X	2130 214716	SH16M01
2130 135000	T816Q02X	2130 152200	T816Q02X	2130 165500	T816Q02X	2130 182700	T816Q02X	2130 214816	SH16M02X
2130 135100	T816Q04X	2130 152300	T816Q05X	2130 165600	T816Q03X	2130 182800	T816Q04X	2131 012500	STOPIT
2130 135200	T816Q02X	2130 152400	T816Q02X	2130 165700	T816Q02X	2130 182900	T816Q02X	2131 023600	IMSON
2130 135300	T816Q05X	2130 152500	T816Q03X	2130 165800	T816Q04X	2130 183000	T816Q05X	2131 023616	T816Q02
2130 135400	T816Q02X	2130 152600	T816Q02X	2130 165900	T816Q02X	2130 183100	T816Q02X	2131 043600	STOPIT
2130 135500	T816Q03X	2130 152700	T816Q04X	2130 170000	T816Q05X	2130 183200	T816Q03X	2131 063600	IMSON
2130 135600	T816Q02X	2130 152800	T816Q02X	2130 170100	T816Q02X	2130 183300	T816Q02X	2131 063616	T816Q02
2130 135700	T816Q04X	2130 152900	T816Q05X	2130 170200	T816Q03X	2130 183400	T816Q04X	2131 132700	STOPIT
2130 135800	T816Q02X	2130 153000	T816Q02X	2130 170300	T816Q02X	2130 183500	T816Q02X	2131 164800	IMSON
2130 135900	T816Q05X	2130 153100	T816Q03X	2130 170400	T816Q04X	2130 183600	T816Q05X	2131 164816	M133301
2130 140000	T816Q02X	2130 153200	T816Q02X	2130 170500	T816Q02X	2130 183700	T816Q02X	2131 181800	STOPIT
2130 140100	T816Q03X	2130 153300	T816Q04X	2130 170600	T816Q05X	2130 183800	T816Q03X	2131 225500	IMSON
2130 140200	T816Q02X	2130 153400	T816Q02X	2130 170700	T816Q02X	2130 183900	T816Q02X	2131 225516	T816Q02
2130 140300	T816Q04X	2130 153500	T816Q05X	2130 170800	T816Q03X	2130 184000	T816Q04X	2132 042400	STOPIT
2130 140400	T816Q02X	2130 153600	T816Q02X	2130 170900	T816Q02X	2130 184100	T816Q02X	2132 062900	IMSON
2130 140500	T816Q05X	2130 153700	T816Q03X	2130 171000	T816Q04X	2130 184200	T816Q05X	2132 062916	M133301
2130 140600	T816Q02X	2130 153800	T816Q02X	2130 171100	T816Q02X	2130 184300	T816Q02X	2132 114000	STOPIT
2130 140700	T816Q03X	2130 153900	T816Q04X	2130 171200	T816Q05X	2130 184400	T816Q03X	2132 130000	IMSON
2130 140800	T816Q02X	2130 154000	T816Q02X	2130 171300	T816Q02X	2130 184500	T816Q02X	2132 130016	T816Q02
2130 140900	T816Q04X	2130 154100	T816Q05X	2130 171400	T816Q03X	2130 184600	T816Q04X	2132 195100	STOPIT
2130 141000	T816Q02X	2130 154200	T816Q02X	2130 171500	T816Q02X	2130 184700	T816Q02X	2132 214200	APPON
2130 141100	T816Q05X	2130 154300	T816Q03X	2130 171600	T816Q04X	2130 184800	T816Q05X	2132 214216	SH16M01
2130 141200	T816Q02X	2130 154400	T816Q02X	2130 171700	T816Q02X	2130 184900	T816Q02X	2132 214316	SH16M02X
2130 141300	T816Q03X	2130 154500	T816Q04X	2130 171800	T816Q05X	2130 185000	T816Q03X	2133 012000	STOPIT
2130 141400	T816Q02X	2130 154600	T816Q02X	2130 171900	T816Q02X	2130 185100	T816Q02X	2133 023200	APPON
2130 141500	T816Q04X	2130 154700	T816Q05X	2130 172000	T816Q03X	2130 185200	T816Q04X	2133 023216	M133301
2130 141600	T816Q02X	2130 154800	T816Q02X	2130 172100	T816Q02X	2130 185300	T816Q02X	2133 023316	SSN8V01X
2130 141700	T816Q05X	2130 154900	T816Q03X	2130 172200	T816Q04X	2130 185400	T816Q05X	2133 043300	STOPIT
2130 141800	T816Q02X	2130 155000	T816Q02X	2130 172300	T816Q02X	2130 185500	T816Q02X	2133 073300	APPON
2130 141900	T816Q03X	2130 155100	T816Q04X	2130 172400	T816Q05X	2130 185600	T816Q03X	2133 073316	CS04L01
2130 142000	T816Q02X	2130 155200	T816Q02X	2130 172500	T816Q02X	2130 185700	T816Q02X	2133 073416	SSN8V01X
2130 142100	T816Q04X	2130 155300	T816Q05X	2130 172600	T816Q03X	2130 185800	T816Q04X	2133 142400	STOPIT
2130 142200	T816Q02X	2130 155400	T816Q02X	2130 172700	T816Q02X	2130 185900	T816Q02X	2133 164400	IMSON
2130 142300	T816Q05X	2130 155500	T816Q03X	2130 172800	T816Q04X	2130 190000	T816Q05X	2133 164416	M133301
2130 142400	T816Q02X	2130 155600	T816Q02X	2130 172900	T816Q02X	2130 190100	T816Q02X	2133 200000	STOPIT
2130 142500	T816Q03X	2130 155700	T816Q04X	2130 173000	T816Q05X	2130 190200	T816Q03X	2133 230000	IMSON
2130 142600	T816Q02X	2130 155800	T816Q02X	2130 173100	T816Q02X	2130 190300	T816Q02X	2133 230016	T816Q02
2130 142700	T816Q04X	2130 155900	T816Q05X	2130 173200	T816Q03X	2130 190400	T816Q04X	2134 041400	STOPIT
2130 142800	T816Q02X	2130 160000	T816Q02X	2130 173300	T816Q02X	2130 190500	T816Q02X	2134 051400	IMSON
2130 142900	T816Q05X	2130 160100	T816Q03X	2130 173400	T816Q04X	2130 190600	T816Q05X	2134 051416	

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2135 022716 M133301	2143 171820 PH80AAAA	2149 170216 SH16M01	2150 084400 SH16M03X	2150 102200 HI04N01X
2135 022816 SSN8V01X	2143 233600 STOPIT	2149 170220 PH80ADAA	2150 084500 SH16M02X	2150 102300 HI04N03X
2135 042800 STOPIT	2144 003900 IMSON	2149 232000 STOPIT	2150 084600 SH16M03X	2150 102400 HI04N01X
2135 072800 APPON	2144 003916 SH16M01	2150 002600 APPON	2150 084700 SH16M02X	2150 102500 HI04N03X
2135 072816 CMMSL01	2144 003920 PH80ADAA	2150 002616 T816Q02	2150 084800 SH16M03X	2150 103000 STOPIT
2135 072916 SSN8V01X	2144 051500 STOPIT	2150 002620 PH80AAAA	2150 084900 SH16M02X	2150 130800 APPON
2135 141900 STOPIT	2144 073000 IMSON	2150 051300 STOPIT	2150 085000 SH16M03X	2150 130816 M133301
2135 163900 IMSON	2144 073016 T816Q02	2150 072000 APPON	2150 085100 SH16M02X	2150 130916 SSN8V01X
2135 163916 M133301	2144 073020 PH00AAAA	2150 072016 SH16M01	2150 085200 SH16M03X	2150 130920 PH00AAAA
2135 195500 STOPIT	2144 110000 STOPIT	2150 072100 SH16M02X	2150 085300 SH16M02X	2150 133600 PH80AAAA
2135 225500 IMSON	2144 211100 IMSON	2150 072200 SH16M03X	2150 085400 SH16M03X	2150 195400 STOPIT
2135 225516 T816Q02	2144 211116 M133301	2150 072300 SH16M02X	2150 085500 SH16M02X	2150 205900 IMSON
2136 040900 STOPIT	2144 211216 SSN8V01X	2150 072400 SH16M03X	2150 085600 SH16M03X	2150 205916 T816Q02
2136 050900 IMSON	2144 211220 PH80ADAA	2150 072500 SH16M02X	2150 085700 SH16M02X	2150 205920 PH00AAAA
2136 050916 M133301	2145 010200 STOPIT	2150 072600 SH16M03X	2150 085800 SH16M03X	2151 010400 STOPIT
2136 120000 STOPIT	2145 021600 APPON	2150 072700 SH16M02X	2150 085900 SH16M02X	2151 020300 APPON
2136 213100 APPON	2145 021616 M133301	2150 072800 SH16M03X	2150 090000 SH16M03X	2151 020316 M133301
2136 213116 T816Q02	2145 021716 SSN8V01X	2150 072900 SH16M02X	2150 090100 SH16M02X	2151 020416 SSN8V01X
2136 213216 T816Q05X	2145 021720 PH80ADAA	2150 073000 SH16M03X	2150 090200 SH16M03X	2151 020420 PH00AAAA
2137 011700 STOPIT	2145 025800 PH00ADAA	2150 073100 SH16M02X	2150 090300 SH16M02X	2151 034500 STOPIT
2137 022700 IMSON	2145 032800 PH80ADAA	2150 073200 SH16M03X	2150 090400 SH16M03X	2151 085500 SH16M01
2137 022716 M133301	2145 040000 STOPIT	2150 073300 SH16M02X	2150 090500 SH16M02X	2151 085516 T816Q02
2137 042000 STOPIT	2145 091000 APPON	2150 073400 SH16M03X	2150 090600 SH16M03X	2151 085520 PH80ADAA
2137 080000 IMSON	2145 091016 T816Q02	2150 073500 SH16M02X	2150 090700 SH16M02X	2151 093900 PH00ADAA
2137 080016 M133301	2145 091020 PH80AAAA	2150 073600 SH16M03X	2150 090800 SH16M03X	2151 100900 PH80ADAA
2137 145100 STOPIT	2145 095600 PH00AAAA	2150 073700 SH16M02X	2150 090900 SH16M02X	2151 114200 PH00ADAA
2137 163200 IMSON	2145 102300 PH80AAAA	2150 073800 SH16M03X	2150 091000 SH16M03X	2151 154600 STOPIT
2137 163216 T816Q02	2145 115200 PH00AAAA	2150 073900 SH16M02X	2150 091100 SH16M02X	2151 165700 APPON
2137 180200 STOPIT	2145 160000 STOPIT	2150 074000 SH16M03X	2150 091200 SH16M03X	2151 165716 SH16M01
2137 225200 IMSON	2145 171200 IMSON	2150 074100 SH16M02X	2150 091300 SH16M02X	2151 165720 PH80ADAA
2137 225216 M133301	2145 171216 SH16M01	2150 074200 SH16M03X	2150 091400 SH16M03X	2151 231500 STOPIT
2138 035900 STOPIT	2145 171220 PH00ADAA	2150 074300 SH16M02X	2150 091500 SH16M02X	2152 002100 APPON
2138 050900 IMSON	2145 233200 STOPIT	2150 074400 SH16M03X	2150 091600 SH16M03X	2152 002116 T816Q02
2138 050916 T816Q02	2146 003400 IMSON	2150 074500 SH16M02X	2150 091700 SH16M02X	2152 002120 PH80AAAA
2138 120000 STOPIT	2146 003416 T816Q02	2150 074600 SH16M03X	2150 091800 SH16M03X	2152 050800 STOPIT
2138 200500 IMSON	2146 003420 PH00AAAA	2150 074700 SH16M02X	2150 091900 SH16M02X	2152 071500 APPON
2138 200516 M133301	2146 051600 STOPIT	2150 074800 SH16M03X	2150 092000 SH16M03X	2152 071516 SH16M01
2139 001100 STOPIT	2146 123400 IMSON	2150 074900 SH16M02X	2150 092100 SH16M02X	2152 071600 SH16M02X
2139 022200 IMSON	2146 123416 T816Q02	2150 075000 SH16M03X	2150 092200 SH16M03X	2152 071700 SH16M03X
2139 022216 M133301	2146 123420 PH00AAAA	2150 075100 SH16M02X	2150 092300 SH16M02X	2152 071800 SH16M02X
2139 041500 STOPIT	2146 192500 STOPIT	2150 075200 SH16M03X	2150 092400 SH16M03X	2152 071900 SH16M03X
2139 075500 APPON	2146 210700 IMSON	2150 075300 SH16M02X	2150 092500 SH16M02X	2152 072000 SH16M02X
2139 075516 M133301	2146 210716 SH16M01	2150 075400 SH16M03X	2150 092600 SH16M03X	2152 072100 SH16M03X
2139 075616 SSN8V01X	2146 210720 PH00ADAA	2150 075500 SH16M02X	2150 092700 SH16M02X	2152 072200 SH16M02X
2139 145100 STOPIT	2147 011300 STOPIT	2150 075600 SH16M03X	2150 092800 SH16M03X	2152 072300 SH16M03X
2139 162700 IMSON	2147 021100 APPON	2150 075700 SH16M02X	2150 092900 SH16M02X	2152 072400 SH16M02X
2139 162716 T816Q02	2147 021116 M133301	2150 075800 SH16M03X	2150 093000 SH16M03X	2152 072500 SH16M03X
2139 175700 STOPIT	2147 021216 SSN8V01X	2150 075900 SH16M02X	2150 093100 SH16M02X	2152 072600 SH16M02X
2139 224700 IMSON	2147 021220 PH80ADAA	2150 080000 SH16M03X	2150 093200 SH16M03X	2152 072700 SH16M03X
2139 224716 M133301	2147 025300 PH00ADAA	2150 080100 SH16M02X	2150 093300 SH16M02X	2152 072800 SH16M02X
2140 035400 STOPIT	2147 032300 PH80ADAA	2150 080200 SH16M03X	2150 093400 SH16M03X	2152 072900 SH16M03X
2140 050400 IMSON	2147 035500 STOPIT	2150 080300 SH16M02X	2150 093500 SH16M02X	2152 073000 SH16M02X
2140 050416 T816Q02	2147 090500 APPON	2150 080400 SH16M03X	2150 093600 SH16M03X	2152 073100 SH16M03X
2140 115500 STOPIT	2147 090516 SH16M01	2150 080500 SH16M02X	2150 093700 SH16M02X	2152 073200 SH16M02X
2140 200000 IMSON	2147 090520 PH80ADAA	2150 080600 SH16M03X	2150 093800 SH16M03X	2152 073300 SH16M03X
2140 200016 M133301	2147 095100 PH00ADAA	2150 080700 SH16M02X	2150 093900 SH16M02X	2152 073400 SH16M02X
2141 000600 STOPIT	2147 101800 PH80ADAA	2150 080800 SH16M03X	2150 094000 SH16M03X	2152 073500 SH16M03X
2141 022200 APPON	2147 114700 PH00ADAA	2150 080900 SH16M02X	2150 094100 SH16M02X	2152 073600 SH16M02X
2141 022216 M133301	2147 155500 STOPIT	2150 081000 SH16M03X	2150 094200 SH16M03X	2152 073700 SH16M03X
2141 022316 SSN8V01X	2147 170700 IMSON	2150 081100 SH16M02X	2150 094300 SH16M02X	2152 073800 SH16M02X
2141 022320 PH80ADAA	2147 170716 SH16M01	2150 081200 SH16M03X	2150 094400 SH16M03X	2152 073900 SH16M03X
2141 031100 PH00ADAA	2147 170720 PH00ADAA	2150 081300 SH16M02X	2150 094500 SH16M02X	2152 074000 SH16M02X
2141 033900 PH80ADAA	2147 232700 STOPIT	2150 081400 SH16M03X	2150 094600 SH16M03X	2152 074100 SH16M03X
2141 050000 STOPIT	2148 002900 IMSON	2150 081500 SH16M02X	2150 094700 SH16M02X	2152 074200 SH16M02X
2141 080000 IMSON	2148 002916 SH16M01	2150 081600 SH16M03X	2150 094800 SH16M03X	2152 074300 SH16M03X
2141 080016 T816Q02	2148 002920 PH00ADAA	2150 081700 SH16M02X	2150 094900 SH16M02X	2152 074400 SH16M02X
2141 080020 PH00AAAA	2148 051100 STOPIT	2150 081800 SH16M03X	2150 095000 SH16M03X	2152 074500 SH16M03X
2141 145100 STOPIT	2148 072100 APPON	2150 081900 SH16M02X	2150 095100 SH16M02X	2152 074600 SH16M02X
2141 172300 APPON	2148 072116 SH16M01	2150 082000 SH16M03X	2150 095200 SH16M03X	2152 074700 SH16M03X
2141 172316 SH16M01	2148 072120 PH80ADAA	2150 082100 SH16M02X	2150 095300 SH16M02X	2152 074800 SH16M02X
2141 172320 PH80ADAA	2148 095500 STOPIT	2150 082200 SH16M03X	2150 095400 SH16M03X	2152 074900 SH16M03X
2141 234100 STOPIT	2148 122900 IMSON	2150 082300 SH16M02X	2150 095500 SH16M02X	2152 075000 SH16M02X
2142 073500 IMSON	2148 122916 T816Q02	2150 082400 SH16M03X	2150 095600 SH16M03X	2152 075100 SH16M03X
2142 073516 T816Q02	2148 122920 PH00AAAA	2150 082500 SH16M02X	2150 095700 SH16M02X	2152 075200 SH16M02X
2142 073520 PH00AAAA	2148 192000 STOPIT	2150 082600 SH16M03X	2150 095800 SH16M03X	2152 075300 SH16M03X
2142 110500 STOPIT	2148 210200 APPON	2150 082700 SH16M02X	2150 095900 SH16M02X	2152 075400 SH16M02X
2142 132900 APPON	2148 210216 SH16M01	2150 082800 SH16M03X	2150 100000 SH16M03X	2152 075500 SH16M03X
2142 132916 M133301	2148 210220 PH00ADAA	2150 082900 SH16M02X	2150 100100 SH16M02X	2152 075600 SH16M02X
2142 133016 SSN8V01X	2149 010800 STOPIT	2150 083000 SH16M03X	2150 100200 SH16M03X	2152 075700 SH16M03X
2142 133020 PH00ADAA	2149 020800 APPON	2150 083100 SH16M02X	2150 100300 SH16M02X	2152 075800 SH16M02X
2142 135500 PH80ADAA	2149 020816 M133301	2150 083200 SH16M03X	2150 100400 SH16M03X	2152 075900 SH16M03X
2142 202000 STOPIT	2149 020916 SSN8V01X	2150 083300 SH16M02X	2150 100500 SH16M03X	2152 080000 SH16M02X
2142 211600 IMSON	2149 020920 PH00AAAA	2150 083400 SH16M03X	2150 100700 SH16M03X	2152 080100 SH16M03X
2142 211616 T816Q02	2149 035000 STOPIT	2150 083500 SH16M02X	2150 100800 STOPIT	2152 080200 SH16M02X
2142 211620 PH00AAAA	2149 090000 APPON	2150 083600 SH16M03X	2150 101500 IMSON	2152 080300 SH16M03X
2143 010700 STOPIT	2149 090016 T816Q02	2150 083700 SH16M02X	2150 101516 HI04N01	2152 080400 SH16M02X
2143 075500 IMSON	2149 090020 PH80AAAA	2150 083800 SH16M03X	2150 101600 HI04N01X	2152 080500 SH16M03X
2143 075516 T816Q02	2149 094400 PH00AAAA	2150 083900 SH16M02X	2150 101700 HI04N03X	2152 080600 SH16M02X
2143 075520 PH00AAAA	2149 101400 PH80AAAA	2150 084000 SH16M03X	2150 101800 HI04N01X	2152 080700 SH16M03X
2143 144600 STOPIT	2149 114700 PH00AAAA	2150 084100 SH16M02X	2150 101900 HI04N03X	2152 080800 SH16M02X
2143 171800 APPON	2149 155100 STOPIT	2150 084200 SH16M03X	2150 102000 HI04N01X	2152 080900 SH16M03X
2143 171816 SH16M01	2149 170200 APPON	2150 084300 SH16M02X	2150 102100 HI04N03X	2152 081000 SH16M02X

DE 1/RIMS 1982 Instrument Modes

2152 081100	SH16M03X	2152 094300	SH16M03X	2158 204300	APPON	2161 090600	T816Q02X	2161 103800	T816Q02X
2152 081200	SH16M02X	2152 094400	SH16M02X	2158 204316	SH16M01	2161 090700	T816Q04X	2161 103900	T816Q05X
2152 081300	SH16M03X	2152 094500	SH16M03X	2158 204320	PH80ADAA	2161 090800	T816Q02X	2161 104000	T816Q02X
2152 081400	SH16M02X	2152 094600	SH16M02X	2159 022600	STOPT	2161 090900	T816Q05X	2161 104100	T816Q03X
2152 081500	SH16M03X	2152 094700	SH16M03X	2159 075500	IMSON	2161 091000	T816Q02X	2161 104200	T816Q02X
2152 081600	SH16M02X	2152 094800	SH16M02X	2159 075516	CMMSL01	2161 091100	T816Q03X	2161 104300	T816Q04X
2152 081700	SH16M03X	2152 094900	SH16M03X	2159 144600	STOPT	2161 091200	T816Q02X	2161 104400	T816Q02X
2152 081800	SH16M02X	2152 095000	SH16M02X	2159 163700	APPON	2161 091300	T816Q04X	2161 104500	T816Q05X
2152 081900	SH16M03X	2152 095100	SH16M03X	2159 163716	T816Q02	2161 091400	T816Q02X	2161 104600	T816Q02X
2152 082000	SH16M02X	2152 095200	SH16M02X	2159 163720	PH80AAAA	2161 091500	T816Q05X	2161 104700	T816Q03X
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2152 082200	SH16M02X	2152 095400	SH16M02X	2159 211500	PH80AAAA	2161 091700	T816Q03X	2161 104900	T816Q04X
2152 082300	SH16M03X	2152 095500	SH16M03X	2159 225700	STOPT	2161 091800	T816Q02X	2161 105000	T816Q02X
2152 082400	SH16M02X	2152 095600	SH16M02X	2160 000600	APPON	2161 091900	T816Q04X	2161 105100	T816Q05X
2152 082500	SH16M03X	2152 095700	SH16M03X	2160 000616	SH16M01	2161 092000	T816Q02X	2161 105200	T816Q02X
2152 082600	SH16M02X	2152 095800	SH16M02X	2160 000620	PH80ADAA	2161 092100	T816Q05X	2161 105300	T816Q03X
2152 082700	SH16M03X	2152 095900	SH16M03X	2160 000624	AHV2400	2161 092200	T816Q02X	2161 105400	T816Q02X
2152 082800	SH16M02X	2152 100000	SH16M03X	2160 050000	STOPT	2161 092300	T816Q03X	2161 105600	T816Q04X
2152 082900	SH16M03X	2152 100200	SH16M03X	2160 132100	APPON	2161 092400	T816Q02X	2161 105700	T816Q02X
2152 083000	SH16M02X	2152 100300	STOPT	2160 132116	SH16M01	2161 092500	T816Q04X	2161 105800	T816Q05X
2152 083100	SH16M03X	2152 100900	IMSON	2160 132120	PH80ADAA	2161 092600	T816Q02X	2161 105900	T816Q02X
2152 083200	SH16M02X	2152 100916	HI04N01	2160 132124	AHV2400	2161 092700	T816Q05X	2161 110000	T816Q03X
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2152 083500	SH16M03X	2152 101200	HI04N04X	2160 181500	PH80ADAA	2161 093000	T816Q02X	2161 110300	T816Q02X
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2152 083700	SH16M03X	2152 101400	HI04N03X	2160 193000	PH00ADAA	2161 093200	T816Q02X	2161 110500	T816Q02X
2152 083800	SH16M02X	2152 101500	HI04N04X	2160 193004	AHV2400	2161 093300	T816Q05X	2161 110600	T816Q03X
2152 083900	SH16M03X	2152 101600	HI04N01X	2160 193500	STOPT	2161 093400	T816Q02X	2161 110700	T816Q02X
2152 084000	SH16M02X	2152 101700	HI04N03X	2160 203800	APPON	2161 093500	T816Q03X	2161 110800	T816Q04X
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2152 084400	SH16M02X	2152 102100	HI04N04X	2161 022100	STOPT	2161 093900	T816Q05X	2161 111200	T816Q03X
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2152 084600	SH16M02X	2152 102300	HI04N03X	2161 080916	T816Q02	2161 094100	T816Q03X	2161 111400	T816Q04X
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2152 084800	SH16M02X	2152 102500	STOPT	2161 081100	T816Q03X	2161 094300	T816Q04X	2161 111600	T816Q05X
2152 084900	SH16M03X	2152 080800	APPON	2161 081200	T816Q02X	2161 094400	T816Q02X	2161 111700	T816Q02X
2152 085000	SH16M02X	2152 080816	M133301	2161 081300	T816Q04X	2161 094500	T816Q05X	2161 111800	T816Q03X
2152 085100	SH16M03X	2152 080916	SSN8V01X	2161 081400	T816Q02X	2161 094600	T816Q02X	2161 111900	T816Q02X
2152 085200	SH16M02X	2152 080920	PH80AAAA	2161 081500	T816Q05X	2161 094700	T816Q03X	2161 112000	T816Q04X
2152 085300	SH16M03X	2152 122000	STOPT	2161 081600	T816Q02X	2161 094800	T816Q02X	2161 112100	T816Q02X
2152 085400	SH16M02X	2154 132700	IMSON	2161 081700	T816Q03X	2161 094900	T816Q04X	2161 112200	T816Q05X
2152 085500	SH16M03X	2154 132716	T816Q02	2161 081800	T816Q02X	2161 095000	T816Q02X	2161 112300	T816Q02X
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2152 085800	SH16M02X	2154 201500	IMSON	2161 082100	T816Q05X	2161 095300	T816Q03X	2161 112600	T816Q04X
2152 085900	SH16M03X	2154 201516	T816Q02	2161 082200	T816Q02X	2161 095400	T816Q02X	2161 112700	T816Q02X
2152 090000	SH16M02X	2154 201520	PH00AAAA	2161 082300	T816Q03X	2161 095500	T816Q04X	2161 112800	T816Q05X
2152 090100	SH16M03X	2155 023800	STOPT	2161 082400	T816Q02X	2161 095600	T816Q02X	2161 112900	T816Q02X
2152 090200	SH16M02X	2155 085100	APPON	2161 082500	T816Q04X	2161 095700	T816Q05X	2161 113000	T816Q03X
2152 090300	SH16M03X	2155 085116	T816Q02	2161 082600	T816Q02X	2161 095800	T816Q02X	2161 113100	T816Q02X
2152 090400	SH16M02X	2155 085120	PH80AAAA	2161 082700	T816Q05X	2161 095900	T816Q03X	2161 113200	T816Q04X
2152 090500	SH16M03X	2155 093100	PH00AAAA	2161 082800	T816Q02X	2161 100000	T816Q02X	2161 113300	T816Q02X
2152 090600	SH16M02X	2155 100000	PH80AAAA	2161 082900	T816Q03X	2161 100100	T816Q04X	2161 113400	T816Q05X
2152 090700	SH16M03X	2155 154200	STOPT	2161 083000	T816Q02X	2161 100200	T816Q02X	2161 113500	T816Q02X
2152 090800	SH16M02X	2156 001200	IMSON	2161 083100	T816Q04X	2161 100300	T816Q05X	2161 113600	T816Q03X
2152 090900	SH16M03X	2156 001216	T816Q02	2161 083200	T816Q02X	2161 100400	T816Q02X	2161 113700	T816Q02X
2152 091000	SH16M02X	2156 001220	PH00AAAA	2161 083300	T816Q05X	2161 100500	T816Q03X	2161 113800	T816Q04X
2152 091100	SH16M03X	2156 050600	STOPT	2161 083400	T816Q02X	2161 100600	T816Q02X	2161 113900	T816Q02X
2152 091200	SH16M02X	2156 080300	APPON	2161 083500	T816Q03X	2161 100700	T816Q04X	2161 114000	T816Q05X
2152 091300	SH16M03X	2156 080316	M133301	2161 083600	T816Q02X	2161 100800	T816Q02X	2161 114100	T816Q02X
2152 091400	SH16M02X	2156 080416	SSN8V01X	2161 083700	T816Q04X	2161 100900	T816Q05X	2161 114200	T816Q03X
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2152 091600	SH16M02X	2156 125300	PH00AAAA	2161 083900	T816Q05X	2161 101100	T816Q03X	2161 114400	T816Q04X
2152 091700	SH16M03X	2156 132300	STOPT	2161 084000	T816Q02X	2161 101200	T816Q02X	2161 114500	T816Q02X
2152 091800	SH16M02X	2156 143800	IMSON	2161 084100	T816Q03X	2161 101300	T816Q04X	2161 114600	T816Q05X
2152 091900	SH16M03X	2156 143816	SH16M01	2161 084200	T816Q02X	2161 101400	T816Q02X	2161 114700	T816Q02X
2152 092000	SH16M02X	2156 143820	PH00AAAA	2161 084300	T816Q04X	2161 101500	T816Q05X	2161 114800	T816Q03X
2152 092100	SH16M03X	2156 182300	STOPT	2161 084400	T816Q02X	2161 101600	T816Q02X	2161 114900	T816Q02X
2152 092200	SH16M02X	2156 201000	IMSON	2161 084500	T816Q05X	2161 101700	T816Q03X	2161 115000	T816Q04X
2152 092300	SH16M03X	2156 201016	SH16M01	2161 084600	T816Q02X	2161 101800	T816Q02X	2161 115100	T816Q02X
2152 092400	SH16M02X	2156 201020	PH00ADAA	2161 084700	T816Q03X	2161 101900	T816Q04X	2161 115200	T816Q05X
2152 092500	SH16M03X	2157 023300	STOPT	2161 084800	T816Q02X	2161 102000	T816Q02X	2161 115300	T816Q02X
2152 092600	SH16M02X	2157 080000	IMSON	2161 084900	T816Q04X	2161 102100	T816Q05X	2161 115400	T816Q03X
2152 092700	SH16M03X	2157 080016	CS04L01	2161 085000	T816Q02X	2161 102200	T816Q02X	2161 115500	T816Q02X
2152 092800	SH16M02X	2157 145100	STOPT	2161 085100	T816Q05X	2161 102300	T816Q03X	2161 115600	T816Q04X
2152 092900	SH16M03X	2157 164200	APPON	2161 085200	T816Q02X	2161 102400	T816Q02X	2161 115700	T816Q02X
2152 093000	SH16M02X	2157 164216	T816Q02	2161 085300	T816Q03X	2161 102500	T816Q04X	2161 115800	T816Q05X
2152 093100	SH16M03X	2157 164220	PH80AAAA	2161 085400	T816Q02X	2161 102600	T816Q02X	2161 115900	T816Q02X
2152 093200	SH16M02X	2157 173200	PH00AAAA	2161 085500	T816Q04X	2161 102700	T816Q05X	2161 120000	T816Q03X
2152 093300	SH16M03X	2157 212000	PH80AAAA	2161 085600	T816Q02X	2161 102800	T816Q02X	2161 120100	T816Q02X
2152 093400	SH16M02X	2157 230200	STOPT	2161 085700	T816Q05X	2161 102900	T816Q03X	2161 120200	T816Q04X
2152 093500	SH16M03X	2158 001100	APPON	2161 085800	T816Q02X	2161 103000	T816Q02X	2161 120300	T816Q02X
2152 093600	SH16M02X	2158 001116	SH16M01	2161 085900	T816Q03X	2161 103100	T816Q04X	2161 120400	T816Q05X
2152 093700	SH16M03X	2158 001120	PH80ADAA	2161 090000	T816Q02X	2161 103200	T816Q02X	2	

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2161	121100	T816Q02X	2161	134300	T816Q02X	2162	005516	HI04N01	2167	081020	PH80AAAA	2172	160000	STOPT
2161	121200	T816Q03X	2161	134400	T816Q04X	2162	005600	HI04N01X	2167	081024	AHV2400	2172	190000	APPON
2161	121300	T816Q02X	2161	134500	T816Q02X	2162	005700	HI04N03X	2167	090300	PH00AAAA	2172	190016	SH16M01
2161	121400	T816Q04X	2161	134600	T816Q05X	2162	005800	HI04N04X	2167	090304	AHV2400	2172	190020	PH00ADAA
2161	121500	T816Q02X	2161	134700	T816Q02X	2162	005900	HI04N01X	2167	093000	PH80AAAA	2172	190024	AHV2400
2161	121600	T816Q05X	2161	134800	T816Q03X	2162	010000	HI04N03X	2167	093004	AHV2400	2172	192800	PH80ADAA
2161	121700	T816Q02X	2161	134900	T816Q02X	2162	010100	HI04N04X	2167	150000	STOPT	2172	192804	AHV2400
2161	121800	T816Q03X	2161	135000	T816Q04X	2162	010200	HI04N01X	2167	235000	IMSON	2172	201500	PH00ADAA
2161	121900	T816Q02X	2161	135100	T816Q02X	2162	010300	HI04N03X	2167	235016	T816Q02	2172	201504	AHV2400
2161	122000	T816Q04X	2161	135200	T816Q05X	2162	010400	HI04N04X	2167	235020	PH00AAAA	2173	004700	STOPT
2161	122100	T816Q02X	2161	135300	T816Q02X	2162	010500	HI04N01X	2167	235024	AHV2400	2173	050700	APPON
2161	122200	T816Q05X	2161	135400	T816Q03X	2162	010600	HI04N03X	2168	044800	STOPT	2173	050716	M133301
2161	122300	T816Q02X	2161	135500	T816Q02X	2162	010700	HI04N04X	2168	052300	APPON	2173	050816	SSN8V01X
2161	122400	T816Q03X	2161	135600	T816Q04X	2162	010800	HI04N01X	2168	052316	M133301	2173	050824	AHV2400
2161	122500	T816Q02X	2161	135700	T816Q02X	2162	010900	HI04N03X	2168	052416	SSN8V01X	2173	084800	PH00AAAA
2161	122600	T816Q04X	2161	135800	T816Q05X	2162	011000	HI04N04X	2168	052420	PH00AAAA	2173	084804	AHV2400
2161	122700	T816Q02X	2161	135900	T816Q02X	2162	011100	STOPT	2168	052424	AHV2400	2173	091500	PH80AAAA
2161	122800	T816Q05X	2161	140000	T816Q03X	2162	011500	APPON	2168	063000	PH80AAAA	2173	091504	AHV2400
2161	122900	T816Q02X	2161	140100	T816Q02X	2162	011516	T816Q02	2168	063004	AHV2400	2173	115800	STOPT
2161	123000	T816Q03X	2161	140200	T816Q04X	2162	011520	PH00AAAA	2168	083000	STOPT	2173	160200	IMSON
2161	123100	T816Q02X	2161	140300	T816Q02X	2162	011524	AHV2400	2168	113000	IMSON	2173	160216	T816Q02
2161	123200	T816Q04X	2161	140400	T816Q05X	2162	050000	STOPT	2168	113016	T816Q02	2173	160220	PH00AAAA
2161	123300	T816Q02X	2161	140500	T816Q02X	2162	142900	APPON	2168	113020	PH00AAAA	2173	160224	AHV2400
2161	123400	T816Q05X	2161	140600	T816Q03X	2162	142916	T816Q02	2168	113024	AHV2400	2173	210000	STOPT
2161	123500	T816Q02X	2161	140700	T816Q02X	2162	142920	PH80AAAA	2168	182100	STOPT	2173	233900	IMSON
2161	123600	T816Q03X	2161	140800	T816Q04X	2162	142924	AHV2400	2168	202100	APPON	2173	233916	T816Q02
2161	123700	T816Q02X	2161	140900	T816Q02X	2162	181400	STOPT	2168	202116	SH16M01	2173	233920	PH00AAAA
2161	123800	T816Q04X	2161	141000	T816Q05X	2162	195300	APPON	2168	202120	PH80ADAA	2173	233924	AHV2400
2161	123900	T816Q02X	2161	141100	T816Q02X	2162	195316	T816Q02	2168	202124	AHV2400	2174	043900	STOPT
2161	124000	T816Q05X	2161	141200	T816Q03X	2162	195320	PH00AAAA	2169	020000	STOPT	2174	054600	IMSON
2161	124100	T816Q02X	2161	141300	T816Q02X	2162	195324	AHV2400	2169	080400	APPON	2174	054616	T816Q02
2161	124200	T816Q03X	2161	141400	T816Q04X	2163	021600	STOPT	2169	080416	M133301	2174	054620	PH00AAAA
2161	124300	T816Q02X	2161	141500	T816Q02X	2163	080400	APPON	2169	080516	SSN8V01X	2174	054624	AHV2400
2161	124400	T816Q04X	2161	141600	T816Q05X	2163	080416	CS04L01	2169	080520	PH80AAAA	2174	121700	STOPT
2161	124500	T816Q02X	2161	141700	T816Q02X	2163	080420	SSN8V01X	2169	080524	AHV2400	2174	130300	IMSON
2161	124600	T816Q05X	2161	141800	T816Q03X	2163	080424	AHV2400	2169	085800	PH00AAAA	2174	130316	T816Q02
2161	124700	T816Q02X	2161	141900	T816Q02X	2163	145500	STOPT	2169	085804	AHV2400	2174	130320	PH00AAAA
2161	124800	T816Q03X	2161	142000	T816Q04X	2163	155900	APPON	2169	092500	PH80AAAA	2174	130324	AHV2400
2161	124900	T816Q02X	2161	142100	T816Q02X	2163	155916	M133301	2169	092504	AHV2400	2174	155500	STOPT
2161	125000	T816Q04X	2161	142200	T816Q05X	2163	160016	SSN8V01X	2169	145500	STOPT	2174	185500	APPON
2161	125100	T816Q02X	2161	142300	T816Q02X	2163	161900	PH00AAAA	2169	234500	IMSON	2174	185516	SH16M01
2161	125200	T816Q05X	2161	142400	T816Q03X	2163	161904	AHV2400	2169	234516	T816Q02	2174	185520	PH00ADAA
2161	125300	T816Q02X	2161	142500	T816Q02X	2163	162800	PH80AAAA	2169	234520	PH00AAAA	2174	185524	AHV2400
2161	125400	T816Q03X	2161	142600	T816Q04X	2163	162804	AHV2400	2169	234524	AHV2400	2174	192300	PH80ADAA
2161	125500	T816Q02X	2161	142700	T816Q02X	2163	222000	STOPT	2170	044300	STOPT	2174	192304	AHV2400
2161	125600	T816Q04X	2161	142800	T816Q05X	2163	235700	APPON	2170	051800	APPON	2174	201000	PH00ADAA
2161	125700	T816Q02X	2161	142900	T816Q02X	2163	235716	T816Q02	2170	051816	M133301	2174	201004	AHV2400
2161	125800	T816Q05X	2161	143000	T816Q03X	2163	235720	PH00AAAA	2170	051916	SSN8V01X	2175	004200	STOPT
2161	125900	T816Q02X	2161	143100	T816Q02X	2163	235724	AHV2400	2170	051920	PH00AAAA	2175	050000	APPON
2161	130000	T816Q03X	2161	143200	T816Q04X	2164	045500	STOPT	2170	051924	AHV2400	2175	050016	T816R01
2161	130100	T816Q02X	2161	143300	T816Q02X	2164	142400	APPON	2170	062500	PH80AAAA	2175	050020	PH80AAAA
2161	130200	T816Q04X	2161	143400	T816Q05X	2164	142416	T816Q02	2170	062504	AHV2400	2175	050024	AHV2400
2161	130300	T816Q02X	2161	143500	T816Q02X	2164	142420	PH80AAAA	2170	082500	STOPT	2175	084100	PH00AAAA
2161	130400	T816Q05X	2161	143600	T816Q03X	2164	142424	AHV2400	2170	112500	IMSON	2175	084104	AHV2400
2161	130500	T816Q02X	2161	143700	T816Q02X	2164	180900	STOPT	2170	112516	T816Q02	2175	091100	PH80AAAA
2161	130600	T816Q03X	2161	143800	T816Q04X	2165	080900	APPON	2170	112520	PH00AAAA	2175	091104	AHV2400
2161	130700	T816Q02X	2161	143900	T816Q02X	2165	080916	CMSL01	2170	112524	AHV2400	2175	115100	STOPT
2161	130800	T816Q04X	2161	144000	T816Q05X	2165	080920	SSN8V01X	2170	181600	STOPT	2175	125500	APPON
2161	130900	T816Q02X	2161	144100	T816Q02X	2165	080924	AHV2400	2170	201600	APPON	2175	125516	M133301
2161	131000	T816Q05X	2161	144200	T816Q03X	2165	150000	STOPT	2170	201616	SH16M01	2175	125616	SSN8V01X
2161	131100	T816Q02X	2161	144300	T816Q02X	2165	162300	APPON	2170	201620	PH80ADAA	2175	125620	PH80AAAA
2161	131200	T816Q03X	2161	144400	T816Q04X	2165	162316	SH16M01	2170	201624	AHV2400	2175	125624	AHV2400
2161	131300	T816Q02X	2161	144500	T816Q02X	2165	162320	PH80ADAA	2171	015500	STOPT	2175	125900	PH00AAAA
2161	131400	T816Q04X	2161	144600	T816Q05X	2165	162324	AHV2400	2171	051216	M133301	2175	152904	AHV2400
2161	131500	T816Q02X	2161	144700	T816Q02X	2165	171700	PH00ADAA	2171	051216	SSN8V01X	2175	160000	PH80AAAA
2161	131600	T816Q05X	2161	144800	T816Q03X	2165	171704	AHV2400	2171	051316	SSN8V01X	2175	160004	AHV2400
2161	131700	T816Q02X	2161	144900	T816Q02X	2165	211000	PH80ADAA	2171	051320	PH80AAAA	2175	172500	STOPT
2161	131800	T816Q03X	2161	145000	T816Q04X	2165	211004	AHV2400	2171	051324	AHV2400	2175	202500	APPON
2161	131900	T816Q02X	2161	145100	T816Q02X	2165	224200	STOPT	2171	085300	PH00AAAA	2175	202516	M133301
2161	132000	T816Q04X	2161	145200	T816Q05X	2165	235600	IMSON	2171	085304	AHV2400	2175	202616	SSN8V01X
2161	132100	T816Q02X	2161	145300	T816Q02X	2165	235616	T816Q02	2171	092000	PH80AAAA	2175	202620	PH80AAAA
2161	132200	T816Q05X	2161	145400	T816Q03X	2165	235620	PH00AAAA	2171	092004	AHV2400	2175	202624	AHV2400
2161	132300	T816Q02X	2161	145500	T816Q02X	2165	235624	AHV2400	2171	120300	STOPT	2175	221700	PH00AAAA
2161	132400	T816Q03X	2161	145600	T816Q04X	2166	045200	STOPT	2171	160700	IMSON	2175	221704	AHV2400
2161	132500	T816Q02X	2161	145700	T816Q02X	2166	080500	APPON	2171	160716	T816Q02	2175	224300	STOPT
2161	132600	T816Q04X	2161	145800	T816Q05X	2166	080516	T816Q02	2171	160720	PH00AAAA	2175	233800	APPON
2161	132700	T816Q02X	2161	145900	T816Q02X	2166	080520	PH80AAAA	2171	160724	AHV2400	2175	233816	T816R01
2161	132800	T816Q05X	2161	150000	STOPT	2166	080524	AHV2400	2171	210500	STOPT	2175	233820	PH80AAAA
2161	132900	T816Q02X	2161	160400	APPON									

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2176	175016	M133301	2179	152004	AHV2400	2181	183500	SH16M02X	2183	180500	SH16M03X
2176	175116	SSN8V01X	2179	154700	PH00AAAA	2181	183600	SH16M03X	2183	180600	SH16M02X
2176	175120	PH00AAAA	2179	154704	AHV2400	2181	183700	SH16M02X	2183	180700	SH16M03X
2176	175124	AHV2400	2179	163000	STOPIT	2181	183800	SH16M03X	2183	180800	SH16M02X
2176	185000	PH00AAAA	2179	195000	IMSON	2181	183900	SH16M02X	2183	180900	SH16M03X
2176	185004	AHV2400	2179	195016	T816R01	2181	184000	SH16M03X	2183	181000	SH16M02X
2176	191700	PH00AAAA	2179	195020	PH00AAAA	2181	184100	SH16M02X	2183	181100	SH16M03X
2176	191704	AHV2400	2179	195024	AHV2400	2181	184200	SH16M03X	2183	181200	SH16M02X
2176	195500	STOPIT	2179	222000	STOPIT	2181	184300	SH16M02X	2183	181300	SH16M03X
2176	203800	IMSON	2179	232200	IMSON	2181	184400	SH16M03X	2183	181400	SH16M02X
2176	203816	T816R01	2179	232216	T816R01	2181	184500	SH16M02X	2183	181500	SH16M03X
2176	203820	PH00AAAA	2179	232220	PH00AAAA	2181	184600	SH16M03X	2183	181600	SH16M02X
2176	203824	AHV2400	2179	232224	AHV2400	2181	184700	SH16M02X	2183	181700	SH16M03X
2177	004600	STOPIT	2180	042800	STOPIT	2181	184800	SH16M03X	2183	181800	SH16M02X
2177	045500	APPON	2180	055600	IMSON	2181	184900	SH16M02X	2183	181900	SH16M03X
2177	045516	T816R01	2180	055616	T816R01	2181	185000	SH16M03X	2183	182000	SH16M02X
2177	045520	PH00AAAA	2180	055620	PH00AAAA	2181	185100	SH16M02X	2183	182100	SH16M03X
2177	045524	AHV2400	2180	055624	AHV2400	2181	185200	SH16M03X	2183	182200	SH16M02X
2177	083600	PH00AAAA	2180	085000	STOPIT	2181	185300	SH16M02X	2183	182300	SH16M03X
2177	083604	AHV2400	2180	101000	APPON	2181	185400	SH16M03X	2183	182400	SH16M02X
2177	090600	PH00AAAA	2180	101016	M133301	2181	185500	SH16M02X	2183	182500	SH16M03X
2177	090604	AHV2400	2180	101116	SSN8V01X	2181	185600	SH16M03X	2183	182600	SH16M02X
2177	114600	STOPIT	2180	101120	PH00AAAA	2181	185700	SH16M02X	2183	182700	SH16M03X
2177	125000	APPON	2180	101124	AHV2400	2181	185800	SH16M03X	2183	182800	SH16M02X
2177	125016	M133301	2180	120200	STOPIT	2181	185900	SH16M02X	2183	182900	SH16M03X
2177	125116	SSN8V01X	2180	124700	IMSON	2181	190000	SH16M03X	2183	183000	SH16M02X
2177	125120	PH00AAAA	2180	124716	T816R01	2181	190100	SH16M02X	2183	183100	SH16M03X
2177	125124	AHV2400	2180	124720	PH00AAAA	2181	190200	SH16M03X	2183	183200	SH16M02X
2177	152400	PH00AAAA	2180	124724	AHV2400	2181	190300	SH16M02X	2183	183300	SH16M03X
2177	152404	AHV2400	2180	162000	STOPIT	2181	190400	SH16M03X	2183	183400	SH16M02X
2177	155500	PH00AAAA	2180	182000	APPON	2181	190500	SH16M02X	2183	183500	SH16M03X
2177	155504	AHV2400	2180	182016	M133301	2181	190600	SH16M03X	2183	183600	SH16M02X
2177	172000	STOPIT	2180	182116	SSN8V01X	2181	190700	SH16M02X	2183	183700	SH16M03X
2177	202000	APPON	2180	182120	PH00AAAA	2181	190800	SH16M03X	2183	183800	SH16M02X
2177	202016	M133301	2180	182124	AHV2400	2181	190900	SH16M02X	2183	183900	SH16M03X
2177	202116	SSN8V01X	2180	192000	STOPIT	2181	191000	SH16M03X	2183	184000	SH16M02X
2177	202120	PH00AAAA	2180	204100	IMSON	2181	191100	SH16M02X	2183	184100	SH16M03X
2177	202124	AHV2400	2180	204116	T816R01	2181	191200	SH16M03X	2183	184200	SH16M02X
2177	221200	PH00AAAA	2180	204120	PH00AAAA	2181	191300	SH16M02X	2183	184300	SH16M03X
2177	221204	AHV2400	2180	204124	AHV2400	2181	191400	SH16M03X	2183	184400	SH16M02X
2177	223800	STOPIT	2181	003800	STOPIT	2181	191500	SH16M02X	2183	184500	SH16M03X
2177	233300	APPON	2181	012000	APPON	2181	191600	SH16M03X	2183	184600	SH16M02X
2177	233316	T816R01	2181	012016	M133301	2181	191700	SH16M02X	2183	184700	SH16M03X
2177	233320	PH00AAAA	2181	012116	SSN8V01X	2181	191800	SH16M03X	2183	184800	SH16M02X
2177	233324	AHV2400	2181	012120	PH00AAAA	2181	191900	SH16M02X	2183	184900	SH16M03X
2178	043100	STOPIT	2181	012124	AHV2400	2181	192000	SH16M03X	2183	185000	SH16M02X
2178	055200	IMSON	2181	021000	STOPIT	2181	192100	SH16M02X	2183	185100	SH16M03X
2178	055216	T816R01	2181	044500	IMSON	2181	192200	SH16M03X	2183	185200	SH16M02X
2178	055220	PH00AAAA	2181	044516	M204001	2181	192300	SH16M02X	2183	185300	SH16M03X
2178	055224	AHV2400	2181	044520	AHV2400	2181	192400	SH16M03X	2183	185400	SH16M02X
2178	095000	STOPIT	2181	113500	STOPIT	2181	192500	SH16M02X	2183	185500	SH16M03X
2178	105500	IMSON	2181	121500	IMSON	2181	192600	SH16M03X	2183	185600	SH16M02X
2178	105516	T816R01	2181	121516	T816R01	2181	192700	SH16M02X	2183	185700	SH16M03X
2178	105520	PH00AAAA	2181	121520	PH00AAAA	2181	192800	SH16M03X	2183	185800	SH16M02X
2178	105524	AHV2400	2181	121524	AHV2400	2181	192900	SH16M02X	2183	185900	SH16M03X
2178	145400	STOPIT	2181	144300	STOPIT	2181	193000	SH16M03X	2183	190000	SH16M02X
2178	174500	APPON	2181	180000	APPON	2181	193100	SH16M02X	2183	190100	SH16M03X
2178	174516	M133301	2181	180016	SH16M01	2181	193200	SH16M03X	2183	190200	SH16M02X
2178	174616	SSN8V01X	2181	180100	SH16M02X	2181	193300	SH16M02X	2183	190300	SH16M03X
2178	174620	PH00AAAA	2181	180200	SH16M03X	2181	193400	SH16M03X	2183	190400	SH16M02X
2178	174624	AHV2400	2181	180300	SH16M02X	2181	193500	SH16M02X	2183	190500	SH16M03X
2178	184500	PH00AAAA	2181	180400	SH16M03X	2181	193600	SH16M03X	2183	190600	SH16M02X
2178	184504	AHV2400	2181	180500	SH16M02X	2181	193700	SH16M02X	2183	190700	SH16M03X
2178	191200	PH00AAAA	2181	180600	SH16M03X	2181	193800	SH16M03X	2183	190800	SH16M02X
2178	191204	AHV2400	2181	180700	SH16M02X	2181	193900	SH16M02X	2183	190900	SH16M03X
2178	195000	STOPIT	2181	180800	SH16M03X	2181	194000	SH16M03X	2183	191000	SH16M02X
2178	203300	IMSON	2181	180900	SH16M02X	2181	194100	SH16M02X	2183	191100	SH16M03X
2178	203316	T816R01	2181	181000	SH16M03X	2181	194200	SH16M03X	2183	191200	SH16M02X
2178	203320	PH00AAAA	2181	181100	SH16M02X	2181	194300	SH16M02X	2183	191300	SH16M03X
2178	203324	AHV2400	2181	181200	SH16M03X	2181	194400	SH16M03X	2183	191400	SH16M02X
2179	004100	STOPIT	2181	181300	SH16M02X	2181	194500	SH16M02X	2183	191500	SH16M03X
2179	012900	APPON	2181	181400	SH16M03X	2181	194600	SH16M03X	2183	191600	SH16M02X
2179	012916	M133301	2181	181500	SH16M02X	2181	194700	SH16M02X	2183	191700	SH16M03X
2179	013016	SSN8V01X	2181	181600	SH16M03X	2181	194800	SH16M03X	2183	191800	SH16M02X
2179	013020	PH00AAAA	2181	181700	SH16M02X	2181	194900	SH16M02X	2183	191900	SH16M03X
2179	013024	AHV2400	2181	181800	SH16M03X	2181	195000	SH16M03X	2183	192000	SH16M02X
2179	022900	STOPIT	2181	181900	SH16M02X	2181	195100	SH16M02X	2183	192100	SH16M03X
2179	052400	APPON	2181	182000	SH16M03X	2181	195200	SH16M03X	2183	192200	SH16M02X
2179	052416	SH16M01	2181	182100	SH16M02X	2181	195300	SH16M02X	2183	192300	SH16M03X
2179	052420	PH00ADAA	2181	182200	SH16M03X	2181	195400	SH16M03X	2183	192400	SH16M02X
2179	052424	AHV2400	2181	182300	SH16M02X	2181	195500	SH16M02X	2183	192500	SH16M03X
2179	083200	PH00ADAA	2181	182400	SH16M03X	2181	195600	SH16M03X	2183	192600	SH16M02X
2179	083204	AHV2400	2181	182500	SH16M02X	2181	195700	SH16M02X	2183	192700	SH16M03X
2179	090200	PH00ADAA	2181	182600	SH16M03X	2181	195800	SH16M03X	2183	192800	SH16M02X
2179	090204	AHV2400	2181	182700	SH16M02X	2181	195900	SH16M02X	2183	192900	SH16M03X
2179	121500	STOPIT	2181	182800	SH16M03X	2181	200000	SH16M03X	2183	193000	SH16M02X
2179	134000	APPON	2181	182900	SH16M02X	2181	200100	SH16M02X	2183	193100	SH16M03X
2179	134016	M133301	2181	183000	SH16M03X	2181	200200	SH16M03X	2183	193200	SH16M02X
2179	134116	SSN8V01X	2181	183100	SH16M02X	2181	200300	SH16M02X	2183	193300	SH16M03X
2179	134120	PH00AAAA	2181	183200	SH16M03X	2181	200400	SH16M03X	2183	193400	SH16M02X
2179	134124	AHV2400	2181	183300	SH16M02X	2181	200500	SH16M02X	2183	193500	SH16M03X
2179	152000	PH00AAAA	2181	183400	SH16M03X	2181	200600	SH16M03X	2183	193600	SH16M02X

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2183	193700	SH16M03X	2185	011416	M133301	2188	004500	STOPIT	2192	112404	AHV2400	2196	092000	IMSON
2183	193800	SH16M02X	2185	011516	SSN8V01X	2188	050600	IMSON	2192	115400	PH80AAAA	2196	092016	T816R01
2183	193900	SH16M03X	2185	011520	PH00AAAA	2188	050616	T816R01	2192	115404	AHV2400	2196	092020	PH00AAAA
2183	194000	SH16M02X	2185	011524	AHV2400	2188	050620	PH00AAAA	2192	164100	STOPIT	2196	092024	AHV2400
2183	194100	SH16M03X	2185	020800	STOPIT	2188	050624	AHV2400	2192	194100	IMSON	2196	112300	STOPIT
2183	194200	SH16M02X	2185	044900	APPON	2188	085500	STOPIT	2192	194116	T816R01	2196	120900	IMSON
2183	194300	SH16M03X	2185	044916	T816R01	2188	092000	IMSON	2192	194120	PH00AAAA	2196	120916	T816R01
2183	194400	SH16M02X	2185	044920	PH00AAAA	2188	092016	T816R01	2192	194124	AHV2400	2196	120920	PH00AAAA
2183	194500	SH16M03X	2185	044924	AHV2400	2188	092020	PH00AAAA	2193	012500	STOPIT	2196	120924	AHV2400
2183	194600	SH16M02X	2185	075000	PH80AAAA	2188	092024	AHV2400	2193	045400	APPON	2196	173000	STOPIT
2183	194700	SH16M03X	2185	075004	AHV2400	2188	114200	STOPIT	2193	045416	SH16M01	2196	193500	IMSON
2183	194800	SH16M02X	2185	081800	PH00AAAA	2188	123200	APPON	2193	045420	PH80ADAA	2196	193516	T816R01
2183	194900	SH16M03X	2185	081804	AHV2400	2188	123216	T816R01	2193	045424	AHV2400	2196	193520	PH00AAAA
2183	195000	SH16M02X	2185	084700	PH80AAAA	2188	123220	PH80AAAA	2193	075800	PH00ADAA	2196	193524	AHV2400
2183	195100	SH16M03X	2185	084704	AHV2400	2188	123224	AHV2400	2193	075804	AHV2400	2197	001300	STOPIT
2183	195200	SH16M02X	2185	110800	PH00AAAA	2188	154700	STOPIT	2193	082700	PH80ADAA	2197	012000	IMSON
2183	195300	SH16M03X	2185	110804	AHV2400	2188	194700	IMSON	2193	082704	AHV2400	2197	012016	T816R01
2183	195400	SH16M02X	2185	114000	STOPIT	2188	194716	SH16M01	2193	114500	STOPIT	2197	012020	PH00AAAA
2183	195500	SH16M03X	2185	121500	IMSON	2188	194720	PH00ADAA	2193	122000	APPON	2197	012024	AHV2400
2183	195600	SH16M02X	2185	121516	T816R01	2188	194724	AHV2400	2193	122016	M133301	2197	063500	STOPIT
2183	195700	SH16M03X	2185	121520	PH00AAAA	2188	002600	STOPIT	2193	122116	SSN8V01X	2197	084100	IMSON
2183	195800	SH16M02X	2185	121524	AHV2400	2189	024400	IMSON	2193	122120	PH80AAAA	2197	084116	T816R01
2183	195900	SH16M03X	2185	145300	STOPIT	2189	024416	T816R01	2193	122124	AHV2400	2197	084120	PH00AAAA
2183	200000	SH16M02X	2185	175900	APPON	2189	024420	PH00AAAA	2193	144500	PH00AAAA	2197	084124	AHV2400
2183	200100	SH16M03X	2185	175916	SH16M01	2189	024424	AHV2400	2193	144504	AHV2400	2197	135500	STOPIT
2183	200200	SH16M02X	2185	175920	PH00ADAA	2189	093500	STOPIT	2193	151400	PH80AAAA	2197	151400	IMSON
2183	200300	SH16M03X	2185	175924	AHV2400	2189	103500	IMSON	2193	151404	AHV2400	2197	151416	T816R01
2183	200400	SH16M02X	2185	204700	PH80ADAA	2189	103516	SH16M01	2193	160200	STOPIT	2197	151420	PH00AAAA
2183	200500	SH16M03X	2185	204704	AHV2400	2189	103520	PH00ADAA	2193	183500	IMSON	2197	151424	AHV2400
2183	200600	SH16M02X	2185	215300	PH00ADAA	2189	103524	AHV2400	2193	183516	T816R01	2197	202900	STOPIT
2183	200700	SH16M03X	2185	215304	AHV2400	2189	163500	STOPIT	2193	183520	PH00AAAA	2197	215000	IMSON
2183	200800	SH16M02X	2185	222200	PH80ADAA	2189	183500	IMSON	2193	183524	AHV2400	2197	215016	T816R01
2183	200900	SH16M03X	2185	222204	AHV2400	2189	183516	T816R01	2194	012600	STOPIT	2197	215020	PH00AAAA
2183	201000	SH16M02X	2185	232600	PH00ADAA	2189	183520	PH00AAAA	2194	041000	APPON	2197	215024	AHV2400
2183	201100	SH16M03X	2185	232604	AHV2400	2189	183524	AHV2400	2194	041016	M133301	2198	030500	STOPIT
2183	201200	SH16M02X	2186	005000	STOPIT	2190	012600	STOPIT	2194	041116	SSN8V01X	2198	051100	IMSON
2183	201300	SH16M03X	2186	051100	IMSON	2190	040400	APPON	2194	041120	PH80AAAA	2198	051116	T816R01
2183	201400	SH16M02X	2186	051116	T816R01	2190	040416	M133301	2194	041124	AHV2400	2198	051120	PH00AAAA
2183	201500	SH16M03X	2186	051120	PH00AAAA	2190	040516	SSN8V01X	2194	042900	PH00AAAA	2198	051124	AHV2400
2183	201600	SH16M02X	2186	051124	AHV2400	2190	040520	PH80AAAA	2194	042904	AHV2400	2198	102600	STOPIT
2183	201700	SH16M03X	2186	090000	STOPIT	2190	040524	AHV2400	2194	045900	PH80AAAA	2198	115700	IMSON
2183	201800	SH16M02X	2186	092500	IMSON	2190	043900	PH00AAAA	2194	045904	AHV2400	2198	115716	T816R01
2183	201900	SH16M03X	2186	092516	T816R01	2190	043904	AHV2400	2194	081500	STOPIT	2198	115720	PH00AAAA
2183	202000	SH16M02X	2186	092520	PH00AAAA	2190	050800	PH80AAAA	2194	092500	IMSON	2198	115724	AHV2400
2183	202100	SH16M03X	2186	092524	AHV2400	2190	050804	AHV2400	2194	092516	T816R01	2198	170000	STOPIT
2183	202200	SH16M02X	2186	114700	STOPIT	2190	095000	STOPIT	2194	092520	PH00AAAA	2198	183000	IMSON
2183	202300	SH16M03X	2186	123700	APPON	2190	110500	APPON	2194	092524	AHV2400	2198	183016	T816R01
2183	202400	SH16M02X	2186	123716	T816R01	2190	110516	M133301	2194	112800	STOPIT	2198	183020	PH00AAAA
2183	202500	SH16M03X	2186	123720	PH80AAAA	2190	110616	SSN8V01X	2194	121400	IMSON	2198	183024	AHV2400
2183	202600	SH16M02X	2186	123724	AHV2400	2190	110620	PH80AAAA	2194	121416	T816R01	2198	233900	STOPIT
2183	202700	SH16M03X	2186	155200	STOPIT	2190	110624	AHV2400	2194	121420	PH00AAAA	2199	011500	IMSON
2183	202800	SH16M02X	2186	195200	IMSON	2190	112900	PH00AAAA	2194	121424	AHV2400	2199	011516	T816R01
2183	202900	SH16M03X	2186	195216	SH16M01	2190	112904	AHV2400	2194	173500	STOPIT	2199	011520	PH00AAAA
2183	203000	SH16M02X	2186	195220	PH00ADAA	2190	115900	PH80AAAA	2194	194000	IMSON	2199	011524	AHV2400
2183	203100	SH16M03X	2186	195224	AHV2400	2190	115904	AHV2400	2194	194016	T816R01	2199	063000	STOPIT
2183	203200	SH16M02X	2187	003100	STOPIT	2190	164600	STOPIT	2194	194020	PH00AAAA	2199	083600	IMSON
2183	203300	SH16M03X	2187	010900	APPON	2190	194600	IMSON	2194	194024	AHV2400	2199	083616	T816R01
2183	203400	SH16M02X	2187	010916	M133301	2190	194616	T816R01	2195	001800	STOPIT	2199	083620	PH00AAAA
2183	203500	SH16M03X	2187	011016	SSN8V01X	2190	194620	PH00AAAA	2195	044900	APPON	2199	083624	AHV2400
2183	203600	SH16M02X	2187	011020	PH00AAAA	2190	194624	AHV2400	2195	044916	SH16M01	2199	135000	STOPIT
2183	203700	SH16M03X	2187	011024	AHV2400	2191	013000	STOPIT	2195	044920	PH80ADAA	2199	150900	IMSON
2183	203800	SH16M02X	2187	020300	STOPIT	2191	023900	IMSON	2195	044924	AHV2400	2199	150916	T816R01
2183	203900	SH16M03X	2187	044400	APPON	2191	023916	T816R01	2195	075300	PH00ADAA	2199	150920	PH00AAAA
2183	204000	SH16M02X	2187	044416	T816R01	2191	023920	PH00AAAA	2195	075304	AHV2400	2199	150924	AHV2400
2183	204200	SH16M03X	2187	044420	PH00AAAA	2191	023924	AHV2400	2195	082200	PH80ADAA	2199	202400	STOPIT
2183	204300	STOPIT	2187	044424	AHV2400	2191	093000	STOPIT	2195	082204	AHV2400	2199	214500	IMSON
2183	205500	IMSON	2187	074500	PH80AAAA	2191	103000	IMSON	2195	114000	STOPIT	2199	214516	T816R01
2183	205516	T816R01	2187	074504	AHV2400	2191	103016	SH16M01	2195	121500	APPON	2199	214520	PH00AAAA
2183	205520	PH00AAAA	2187	081300	PH00AAAA	2191	103020	PH00ADAA	2195	121516	M133301	2199	214524	AHV2400
2183	205524	AHV2400	2187	081304	AHV2400	2191	103024	AHV2400	2195	121616	SSN8V01X	2200	014000	STOPIT
2183	223900	STOPIT	2187	084200	PH80AAAA	2191	163000	STOPIT	2195	121620	PH80AAAA	2201	041800	APPON
2183	224200	APPON	2187	084204	AHV2400	2191	183000	IMSON	2195	121624	AHV2400	2201	041816	INSTR10
2183	232416	SH16M01	2187	110300	PH00AAAA	2191	183016	T816R01	2195	144000	PH00AAAA	2201	041820	AHV2400
2183	232420	PH80ADAA	2187	110304	AHV2400	2191	183020	PH00AAAA	2195	144004	AHV2400	2201	074400	PH00ADDT
2183	232424	AHV2400	2187	113500	STOPIT	2191	183024	AHV2400	2195	150900	PH80AAAA	2201	074404	AHV2400
2184	042100	STOPIT	2187	121000	IMSON	2192	012100	STOPIT	2195	150904	AHV2400	2201	110900	STOPIT
2184	053700	IMSON	2187	121016	T816R01	2192	035900	APPON	2195	155700	STOPIT	2201	112000	APPON
2184	053716	T816R01	2187	121020	PH00AAAA	2192	035916	M133301	2195	183000	IMSON	2201	112016	M133301
2184	053720	PH00AAAA	2187	121024	AHV2400	2192	040016	SSN8V01X	2195	183016	T816R01	2201	112116	SSN8V01X
2184	053724	AHV2400	2187	144800	STOPIT	2192	040020	PH80AAAA	2195	183020	PH00AAAA	2201	112120	PH80AAAA
2184	094100	STOPIT	2187	175400	APPON	2192	040024	AHV2400	2195					

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2201	215000	STOPIT	2202	024400	T816Q05X	2202	041700	T816Q03X	2202	054900	T816Q04X	2202	072100	T816Q05X
2202	011400	APPON	2202	024500	T816Q02X	2202	041800	T816Q02X	2202	055000	T816Q02X	2202	072200	T816Q02X
2202	011416	T816Q02	2202	024600	T816Q03X	2202	041900	T816Q04X	2202	055100	T816Q05X	2202	072300	T816Q03X
2202	011500	T816Q02X	2202	024700	T816Q02X	2202	042000	T816Q02X	2202	055200	T816Q02X	2202	072400	T816Q02X
2202	011600	T816Q03X	2202	024800	T816Q04X	2202	042100	T816Q05X	2202	055300	T816Q03X	2202	072500	T816Q04X
2202	011700	T816Q02X	2202	024900	T816Q02X	2202	042200	T816Q02X	2202	055400	T816Q02X	2202	072600	T816Q02X
2202	011800	T816Q04X	2202	025000	T816Q05X	2202	042300	T816Q03X	2202	055500	T816Q04X	2202	072700	T816Q05X
2202	011900	T816Q02X	2202	025100	T816Q02X	2202	042400	T816Q02X	2202	055600	T816Q02X	2202	072800	T816Q02X
2202	012000	T816Q05X	2202	025200	T816Q03X	2202	042500	T816Q04X	2202	055700	T816Q05X	2202	072900	T816Q03X
2202	012100	T816Q02X	2202	025300	T816Q02X	2202	042600	T816Q02X	2202	055800	T816Q02X	2202	073000	T816Q02X
2202	012200	T816Q03X	2202	025400	T816Q04X	2202	042700	T816Q05X	2202	055900	T816Q03X	2202	073100	T816Q04X
2202	012300	T816Q02X	2202	025500	T816Q02X	2202	042800	T816Q02X	2202	060000	T816Q02X	2202	073200	T816Q02X
2202	012400	T816Q04X	2202	025600	T816Q05X	2202	042900	T816Q03X	2202	060100	T816Q04X	2202	073300	T816Q05X
2202	012500	T816Q02X	2202	025700	T816Q02X	2202	043000	T816Q02X	2202	060200	T816Q02X	2202	073400	T816Q02X
2202	012600	T816Q05X	2202	025800	T816Q03X	2202	043100	T816Q04X	2202	060300	T816Q05X	2202	073500	T816Q03X
2202	012700	T816Q02X	2202	025900	T816Q02X	2202	043200	T816Q02X	2202	060400	T816Q02X	2202	073600	T816Q02X
2202	012800	T816Q03X	2202	030000	T816Q04X	2202	043300	T816Q05X	2202	060500	T816Q03X	2202	073700	T816Q04X
2202	012900	T816Q02X	2202	030100	T816Q02X	2202	043400	T816Q02X	2202	060600	T816Q02X	2202	073800	T816Q02X
2202	013000	T816Q04X	2202	030200	T816Q05X	2202	043500	T816Q03X	2202	060700	T816Q04X	2202	073900	T816Q05X
2202	013100	T816Q02X	2202	030300	T816Q02X	2202	043600	T816Q02X	2202	060800	T816Q02X	2202	074000	T816Q02X
2202	013200	T816Q05X	2202	030400	T816Q03X	2202	043700	T816Q04X	2202	060900	T816Q05X	2202	074100	T816Q03X
2202	013300	T816Q02X	2202	030500	T816Q02X	2202	043800	T816Q02X	2202	061000	T816Q02X	2202	074200	T816Q02X
2202	013400	T816Q03X	2202	030600	T816Q04X	2202	043900	T816Q05X	2202	061100	T816Q03X	2202	074300	T816Q04X
2202	013500	T816Q02X	2202	030700	T816Q02X	2202	044000	T816Q02X	2202	061200	T816Q02X	2202	074400	T816Q02X
2202	013600	T816Q04X	2202	030800	T816Q05X	2202	044100	T816Q03X	2202	061300	T816Q04X	2202	074500	T816Q05X
2202	013700	T816Q02X	2202	030900	T816Q02X	2202	044200	T816Q02X	2202	061400	T816Q02X	2202	074600	T816Q02X
2202	013800	T816Q05X	2202	031000	T816Q03X	2202	044300	T816Q04X	2202	061500	T816Q05X	2202	074700	T816Q03X
2202	013900	T816Q02X	2202	031100	T816Q02X	2202	044400	T816Q02X	2202	061600	T816Q02X	2202	074800	T816Q02X
2202	014000	T816Q03X	2202	031200	T816Q04X	2202	044500	T816Q05X	2202	061700	T816Q03X	2202	074900	T816Q04X
2202	014100	T816Q02X	2202	031300	T816Q02X	2202	044600	T816Q02X	2202	061800	T816Q02X	2202	075000	T816Q02X
2202	014200	T816Q04X	2202	031400	T816Q05X	2202	044700	T816Q03X	2202	061900	T816Q04X	2202	075100	T816Q05X
2202	014300	T816Q02X	2202	031500	T816Q02X	2202	044800	T816Q02X	2202	062000	T816Q02X	2202	075200	T816Q02X
2202	014400	T816Q05X	2202	031600	T816Q03X	2202	044900	T816Q04X	2202	062100	T816Q05X	2202	075300	T816Q03X
2202	014500	T816Q02X	2202	031700	T816Q02X	2202	045000	T816Q02X	2202	062200	T816Q02X	2202	075400	T816Q02X
2202	014600	T816Q03X	2202	031800	T816Q04X	2202	045100	T816Q05X	2202	062300	T816Q03X	2202	075500	T816Q04X
2202	014700	T816Q02X	2202	031900	T816Q02X	2202	045200	T816Q02X	2202	062400	T816Q02X	2202	075600	T816Q02X
2202	014800	T816Q04X	2202	032000	T816Q05X	2202	045300	T816Q03X	2202	062500	T816Q04X	2202	075700	T816Q05X
2202	014900	T816Q02X	2202	032100	T816Q02X	2202	045400	T816Q02X	2202	062600	T816Q02X	2202	075800	T816Q02X
2202	015000	T816Q05X	2202	032200	T816Q03X	2202	045500	T816Q04X	2202	062700	T816Q05X	2202	075900	T816Q03X
2202	015100	T816Q02X	2202	032300	T816Q02X	2202	045600	T816Q02X	2202	062800	T816Q02X	2202	080000	T816Q02X
2202	015200	T816Q03X	2202	032400	T816Q04X	2202	045700	T816Q05X	2202	062900	T816Q03X	2202	080100	T816Q04X
2202	015300	T816Q02X	2202	032500	T816Q02X	2202	045800	T816Q02X	2202	063000	T816Q02X	2202	080200	T816Q02X
2202	015400	T816Q04X	2202	032600	T816Q05X	2202	045900	T816Q03X	2202	063100	T816Q04X	2202	080300	T816Q05X
2202	015500	T816Q02X	2202	032700	T816Q02X	2202	050000	T816Q02X	2202	063200	T816Q02X	2202	080400	T816Q02X
2202	015600	T816Q05X	2202	032800	T816Q03X	2202	050100	T816Q04X	2202	063300	T816Q05X	2202	080500	STOPIT
2202	015700	T816Q02X	2202	032900	T816Q02X	2202	050200	T816Q02X	2202	063400	T816Q02X	2202	091500	IMSON
2202	015800	T816Q03X	2202	033000	T816Q04X	2202	050300	T816Q05X	2202	063500	T816Q03X	2202	091516	T816R01
2202	015900	T816Q02X	2202	033100	T816Q02X	2202	050400	T816Q02X	2202	063600	T816Q02X	2202	091524	AHV24 00
2202	020000	T816Q04X	2202	033200	T816Q05X	2202	050500	T816Q03X	2202	063700	T816Q04X	2202	091524	STOPIT
2202	020100	T816Q02X	2202	033300	T816Q02X	2202	050600	T816Q02X	2202	063800	T816Q02X	2202	110200	STOPIT
2202	020200	T816Q05X	2202	033400	T816Q03X	2202	050700	T816Q04X	2202	063900	T816Q05X	2202	115200	IMSON
2202	020300	T816Q02X	2202	033500	T816Q02X	2202	050800	T816Q02X	2202	064000	T816Q02X	2202	115216	T816R01
2202	020400	T816Q03X	2202	033600	T816Q04X	2202	050900	T816Q05X	2202	064100	T816Q03X	2202	115220	PH00AAAA
2202	020500	T816Q02X	2202	033700	T816Q02X	2202	051000	T816Q02X	2202	064200	T816Q02X	2202	115224	AHV24 00
2202	020600	T816Q04X	2202	033800	T816Q05X	2202	051100	T816Q03X	2202	064300	T816Q04X	2202	180200	STOPIT
2202	020700	T816Q02X	2202	033900	T816Q02X	2202	051200	T816Q02X	2202	064400	T816Q02X	2202	202800	IMSON
2202	020800	T816Q05X	2202	034000	T816Q03X	2202	051300	T816Q04X	2202	064500	T816Q05X	2202	202816	T816R01
2202	020900	T816Q02X	2202	034100	T816Q02X	2202	051400	T816Q02X	2202	064600	T816Q02X	2202	202820	PH00AAAA
2202	021000	T816Q03X	2202	034200	T816Q04X	2202	051500	T816Q05X	2202	064700	T816Q03X	2202	202824	AHV24 00
2202	021100	T816Q02X	2202	034300	T816Q02X	2202	051600	T816Q02X	2202	064800	T816Q02X	2203	000200	STOPIT
2202	021200	T816Q04X	2202	034400	T816Q05X	2202	051700	T816Q03X	2202	064900	T816Q04X	2203	003800	APPON
2202	021300	T816Q02X	2202	034500	T816Q02X	2202	051800	T816Q02X	2202	065000	T816Q02X	2203	003816	M1333 01
2202	021400	T816Q05X	2202	034600	T816Q03X	2202	051900	T816Q04X	2202	065100	T816Q05X	2203	003916	SSN8V01X
2202	021500	T816Q02X	2202	034700	T816Q02X	2202	052000	T816Q02X	2202	065200	T816Q02X	2203	003920	PH00AAAA
2202	021600	T816Q03X	2202	034800	T816Q04X	2202	052100	T816Q05X	2202	065300	T816Q03X	2203	003924	AHV24 00
2202	021700	T816Q02X	2202	034900	T816Q02X	2202	052200	T816Q02X	2202	065400	T816Q02X	2203	010800	PH80AAAA
2202	021800	T816Q04X	2202	035000	T816Q05X	2202	052300	T816Q03X	2202	065500	T816Q04X	2203	010804	AHV24 00
2202	021900	T816Q02X	2202	035100	T816Q02X	2202	052400	T816Q02X	2202	065600	T816Q02X	2203	020200	STOPIT
2202	022000	T816Q05X	2202	035200	T816Q03X	2202	052500	T816Q04X	2202	065700	T816Q05X	2203	040000	IMSON
2202	022100	T816Q02X	2202	035300	T816Q02X	2202	052600	T816Q02X	2202	065800	T816Q02X	2203	040016	M2040 01
2202	022200	T816Q03X	2202	035400	T816Q04X	2202	052700	T816Q05X	2202	065900	T816Q03X	2203	040020	AHV24 00
2202	022300	T816Q02X	2202	035500	T816Q02X	2202	052800	T816Q02X	2202	070000	T816Q02X	2203	105100	STOPIT
2202	022400	T816Q04X	2202	035600	T816Q05X	2202	052900	T816Q03X	2202	070100	T816Q04X	2203	112100	IMSON
2202	022500	T816Q02X	2202	035700	T816Q02X	2202	053000	T816Q02X	2202	070200	T816Q02X	2203	112116	T816R01
2202	022600	T816Q05X	2202	035800	T816Q03X	2202	053100	T816Q04X	2202	070300	T816Q05X	2203	112120	PH00AAAA
2202	022700	T816Q02												

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2204	020920	AHV2400	2210	015924	AHV71582	2211	113700	SH16M02X	2211	130900	SH16M02X	2213	104500	SH16M03X
2204	090000	STOPIT	2210	075000	STOPIT	2211	113800	SH16M03X	2211	131000	SH16M03X	2213	104600	SH16M02X
2204	092500	APPON	2210	092000	APPON	2211	113900	SH16M02X	2211	131100	SH16M02X	2213	104700	SH16M03X
2204	092516	M133301	2210	092016	M133301	2211	114000	SH16M03X	2211	131200	SH16M03X	2213	104800	SH16M02X
2204	092616	SSN8V01X	2210	092116	SSN8V01X	2211	114100	SH16M02X	2211	131300	SH16M02X	2213	104900	SH16M03X
2204	092620	PH80AAAA	2210	092120	PH80AAAA	2211	114200	SH16M03X	2211	131400	SH16M03X	2213	105000	SH16M02X
2204	092624	AHV2400	2210	092124	AHV71582	2211	114300	SH16M02X	2211	131500	SH16M03X	2213	105100	SH16M03X
2204	105300	PH00AAAA	2210	103800	PH00AAAA	2211	114400	SH16M03X	2211	131700	SH16M03X	2213	105200	SH16M02X
2204	105304	AHV2400	2210	103804	AHV71582	2211	114500	SH16M02X	2211	131800	STOPIT	2213	105300	SH16M03X
2204	112100	STOPIT	2210	110900	STOPIT	2211	114600	SH16M03X	2211	132300	APPON	2213	105400	SH16M02X
2204	123000	APPON	2210	121700	IMSON	2211	114700	SH16M02X	2211	132316	M133301	2213	105500	SH16M03X
2204	123016	T816R01	2210	121716	T816R01	2211	114800	SH16M03X	2211	132416	SSN8V01X	2213	105600	SH16M02X
2204	123020	PH80AAAA	2210	121720	PH00AAAA	2211	114900	SH16M02X	2211	132420	PH80AAAA	2213	105700	SH16M03X
2204	123024	AHV2400	2210	121724	AHV71582	2211	115000	SH16M03X	2211	132424	AHV71582	2213	105800	SH16M02X
2204	170800	STOPIT	2210	155200	STOPIT	2211	115100	SH16M02X	2211	135700	PH00AAAA	2213	105900	SH16M03X
2204	183800	IMSON	2210	191500	IMSON	2211	115200	SH16M03X	2211	135704	AHV71582	2213	110000	SH16M02X
2204	183816	T816R01	2210	191516	T816R01	2211	115300	SH16M02X	2211	142500	PH80AAAA	2213	110100	SH16M03X
2204	183820	PH00AAAA	2210	191520	PH00AAAA	2211	115400	SH16M03X	2211	142504	AHV71582	2213	110200	SH16M02X
2204	183824	AHV2400	2210	191524	AHV71582	2211	115500	SH16M02X	2211	145200	STOPIT	2213	110300	SH16M03X
2204	235900	STOPIT	2210	224300	STOPIT	2211	115600	SH16M03X	2211	173300	IMSON	2213	110400	SH16M02X
2205	003300	APPON	2211	021100	IMSON	2211	115700	SH16M02X	2211	173316	HI04N01	2213	110500	SH16M03X
2205	003316	M133301	2211	021116	CMMSL01	2211	115800	SH16M03X	2211	173400	HI04N01X	2213	110600	SH16M02X
2205	003416	SSN8V01X	2211	021120	AHV71582	2211	115900	SH16M02X	2211	173500	HI04N03X	2213	110700	SH16M03X
2205	003420	PH00AAAA	2211	065200	STOPIT	2211	120000	SH16M03X	2211	173600	HI04N04X	2213	110800	SH16M02X
2205	003424	AHV2400	2211	103000	APPON	2211	120100	SH16M02X	2211	173700	HI04N01X	2213	110900	SH16M03X
2205	010300	PH80AAAA	2211	103016	SH16M01	2211	120200	SH16M03X	2211	173800	HI04N03X	2213	111000	SH16M02X
2205	010304	AHV2400	2211	103100	SH16M02X	2211	120300	SH16M02X	2211	173900	HI04N04X	2213	111100	SH16M03X
2205	015700	STOPIT	2211	103200	SH16M03X	2211	120400	SH16M03X	2211	174000	HI04N01X	2213	111200	SH16M02X
2207	173300	APPON	2211	103300	SH16M02X	2211	120500	SH16M02X	2211	174100	HI04N03X	2213	111300	SH16M03X
2207	173316	SH16M01	2211	103400	SH16M03X	2211	120600	SH16M03X	2211	174200	HI04N04X	2213	111400	SH16M02X
2207	173320	PH00ADAA	2211	103500	SH16M02X	2211	120700	SH16M02X	2211	174300	HI04N01X	2213	111500	SH16M03X
2207	173324	AHV71582	2211	103600	SH16M03X	2211	120800	SH16M03X	2211	174400	HI04N03X	2213	111600	SH16M02X
2207	201100	PH80ADAA	2211	103700	SH16M02X	2211	120900	SH16M02X	2211	174500	HI04N04X	2213	111700	SH16M03X
2207	201104	AHV71582	2211	103800	SH16M03X	2211	121000	SH16M02X	2211	174600	HI04N01X	2213	111800	SH16M02X
2207	205900	PH00ADAA	2211	103900	SH16M02X	2211	121100	SH16M02X	2211	174700	HI04N03X	2213	111900	SH16M03X
2207	205904	AHV71582	2211	104000	SH16M03X	2211	121200	SH16M03X	2211	174800	HI04N04X	2213	112000	SH16M02X
2207	212600	PH80ADAA	2211	104100	SH16M02X	2211	121300	SH16M02X	2211	174900	STOPIT	2213	112100	SH16M03X
2207	212604	AHV71582	2211	104200	SH16M03X	2211	121400	SH16M03X	2211	175300	IMSON	2213	112200	SH16M02X
2207	231400	PH00ADAA	2211	104300	SH16M02X	2211	121500	SH16M02X	2211	175316	T816R01	2213	112300	SH16M03X
2207	231404	AHV71582	2211	104400	SH16M03X	2211	121600	SH16M03X	2211	175320	PH00AAAA	2213	112400	SH16M02X
2208	002400	STOPIT	2211	104500	SH16M02X	2211	121700	SH16M02X	2211	175324	AHV71582	2213	112500	SH16M03X
2208	020400	IMSON	2211	104600	SH16M03X	2211	121800	SH16M03X	2211	203300	STOPIT	2213	112600	SH16M02X
2208	020416	T816R01	2211	104700	SH16M02X	2211	121900	SH16M02X	2211	231100	APPON	2213	112700	SH16M03X
2208	020420	PH00AAAA	2211	104800	SH16M03X	2211	122000	SH16M03X	2211	231116	M133301	2213	112800	SH16M02X
2208	020424	AHV71582	2211	104900	SH16M02X	2211	122100	SH16M02X	2211	231216	SSN8V01X	2213	112900	SH16M03X
2208	085500	STOPIT	2211	105000	SH16M03X	2211	122200	SH16M03X	2211	231220	PH80AAAA	2213	113000	SH16M02X
2208	192000	IMSON	2211	105100	SH16M02X	2211	122300	SH16M02X	2211	231224	AHV71582	2213	113100	SH16M03X
2208	192016	T816R01	2211	105200	SH16M03X	2211	122400	SH16M03X	2212	032500	STOPIT	2213	113200	SH16M02X
2208	192020	PH00AAAA	2211	105300	SH16M02X	2211	122500	SH16M02X	2212	062500	APPON	2213	113300	SH16M03X
2208	192024	AHV71582	2211	105400	SH16M03X	2211	122600	SH16M03X	2212	062516	M133301	2213	113400	SH16M02X
2208	224800	STOPIT	2211	105500	SH16M02X	2211	122700	SH16M02X	2212	062616	SSN8V01X	2213	113500	SH16M03X
2209	011200	IMSON	2211	105600	SH16M03X	2211	122800	SH16M03X	2212	062620	PH80AAAA	2213	113600	SH16M02X
2209	011216	T816R01	2211	105700	SH16M02X	2211	122900	SH16M02X	2212	062624	AHV71582	2213	113700	SH16M03X
2209	011220	PH00AAAA	2211	105800	SH16M03X	2211	123000	SH16M03X	2212	103200	PH00AAAA	2213	113800	SH16M02X
2209	011224	AHV71582	2211	105900	SH16M02X	2211	123100	SH16M02X	2212	103204	AHV71582	2213	113900	SH16M03X
2209	024500	STOPIT	2211	110000	SH16M03X	2211	123200	SH16M03X	2212	110000	STOPIT	2213	114000	SH16M02X
2209	041500	APPON	2211	110100	SH16M02X	2211	123300	SH16M02X	2212	130000	APPON	2213	114100	SH16M03X
2209	041516	M133301	2211	110200	SH16M03X	2211	123400	SH16M03X	2212	130016	T816R01	2213	114200	SH16M02X
2209	041616	SSN8V01X	2211	110300	SH16M02X	2211	123500	SH16M02X	2212	130020	PH80AAAA	2213	114300	SH16M03X
2209	041620	PH80AAAA	2211	110400	SH16M03X	2211	123600	SH16M03X	2212	130024	AHV71582	2213	114400	SH16M02X
2209	041624	AHV71582	2211	110500	SH16M02X	2211	123700	SH16M02X	2212	170500	STOPIT	2213	114500	SH16M03X
2209	071700	PH00AAAA	2211	110600	SH16M03X	2211	123800	SH16M03X	2212	191500	IMSON	2213	114600	SH16M02X
2209	071704	AHV71582	2211	110700	SH16M02X	2211	123900	SH16M02X	2212	191516	T816R01	2213	114700	SH16M03X
2209	074600	PH80AAAA	2211	110800	SH16M03X	2211	124000	SH16M03X	2212	191520	PH00AAAA	2213	114800	SH16M02X
2209	074604	AHV71582	2211	110900	SH16M02X	2211	124100	SH16M02X	2212	191524	AHV71582	2213	114900	SH16M03X
2209	091000	STOPIT	2211	111000	SH16M03X	2211	124200	SH16M03X	2212	235500	STOPIT	2213	115000	SH16M02X
2209	111500	APPON	2211	111100	SH16M02X	2211	124300	SH16M02X	2213	020600	IMSON	2213	115100	SH16M03X
2209	111516	M133301	2211	111200	SH16M03X	2211	124400	SH16M03X	2213	020616	CMMSL01	2213	115200	SH16M02X
2209	111616	SSN8V01X	2211	111300	SH16M02X	2211	124500	SH16M02X	2213	020716	SSN8V01X	2213	115300	SH16M03X
2209	111620	PH80AAAA	2211	111400	SH16M03X	2211	124600	SH16M03X	2213	020720	AHV71582	2213	115400	SH16M02X
2209	111624	AHV71582	2211	111500	SH16M02X	2211	124700	SH16M02X	2213	064700	STOPIT	2213	115500	SH16M03X
2209	140400	PH00AAAA	2211	111600	SH16M03X	2211	124800	SH16M03X	2213	102500	APPON	2213	115600	SH16M02X
2209	140404	AHV71582	2211	111700	SH16M02X	2211	124900	SH16M02X	2213	102516	SH16M01	2213	115700	SH16M03X
2209	143300	PH80AAAA	2211	111800	SH16M03X	2211	125000	SH16M03X	2213	102600	SH16M02X	2213	115800	SH16M02X
2209	143304	AHV71582	2211	111900	SH16M02X	2211	125100	SH16M02X	2213	102700	SH16M03X	2213	115900	SH16M03X
2209	152700	STOPIT	2211	112000	SH16M03X	2211	125200	SH16M03X	2213	102800	SH16M02X	2213	120000	SH16M02X
2209	172800	APPON	2211	112100	SH16M02X	2211	125300	SH16M02X	2213	102900	SH16M03X	2213	120100	SH16M03X
2209	17													

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2213	121700	SH16M03X	2213	230720	PH80AAAA	2215	112600	SH16M03X	2215	125800	SH16M03X	2217	233016	T816R01
2213	121800	SH16M02X	2213	230724	AHV71582	2215	112700	SH16M02X	2215	125900	SH16M02X	2217	233020	PH00AAAA
2213	121900	SH16M03X	2214	032000	STOPIT	2215	112800	SH16M03X	2215	130000	SH16M03X	2217	233024	AHV71582
2213	122000	SH16M02X	2214	062000	APPON	2215	112900	SH16M02X	2215	130100	SH16M02X	2218	013600	STOPIT
2213	122100	SH16M03X	2214	062016	M133301	2215	113000	SH16M03X	2215	130200	SH16M03X	2218	033600	APPON
2213	122200	SH16M02X	2214	062116	SSN8V01X	2215	113100	SH16M02X	2215	130300	SH16M02X	2218	033616	SH16M01
2213	122300	SH16M03X	2214	062120	PH80AAAA	2215	113200	SH16M03X	2215	130400	SH16M03X	2218	033620	PH00ADAA
2213	122400	SH16M02X	2214	062124	AHV71582	2215	113300	SH16M02X	2215	130500	SH16M03X	2218	033624	AHV71582
2213	122500	SH16M03X	2214	102700	PH00AAAA	2215	113400	SH16M03X	2215	130700	SH16M03X	2218	035600	PH80ADAA
2213	122600	SH16M02X	2214	102704	AHV71582	2215	113500	SH16M02X	2215	130800	STOPIT	2218	035604	AHV71582
2213	122700	SH16M03X	2214	105500	STOPIT	2215	113600	SH16M03X	2215	131300	APPON	2218	100000	STOPIT
2213	122800	SH16M02X	2214	125500	APPON	2215	113700	SH16M02X	2215	131316	M133301	2218	120500	IMSON
2213	122900	SH16M03X	2214	125516	T816R01	2215	113800	SH16M03X	2215	131416	SSN8V01X	2218	120516	T816R01
2213	123000	SH16M02X	2214	125520	PH80AAAA	2215	113900	SH16M02X	2215	131420	PH80AAAA	2218	120520	PH00AAAA
2213	123100	SH16M03X	2214	125524	AHV71582	2215	114000	SH16M03X	2215	131424	AHV71582	2218	120524	AHV71582
2213	123200	SH16M02X	2214	170000	STOPIT	2215	114100	SH16M02X	2215	134700	PH00AAAA	2218	143500	STOPIT
2213	123300	SH16M03X	2214	191000	IMSON	2215	114200	SH16M03X	2215	134704	AHV71582	2218	185000	APPON
2213	123400	SH16M02X	2214	191016	T816R01	2215	114300	SH16M02X	2215	141500	PH80AAAA	2218	185016	SH16M01
2213	123500	SH16M03X	2214	191020	PH00AAAA	2215	114400	SH16M03X	2215	141504	AHV71582	2218	185020	PH80ADAA
2213	123600	SH16M02X	2214	191024	AHV71582	2215	114500	SH16M02X	2215	144200	STOPIT	2218	185024	AHV71582
2213	123700	SH16M03X	2214	235000	STOPIT	2215	114600	SH16M03X	2215	172300	IMSON	2218	214100	STOPIT
2213	123800	SH16M02X	2215	020100	IMSON	2215	114700	SH16M02X	2215	172316	HI04N01	2219	004800	IMSON
2213	123900	SH16M03X	2215	020116	M204001	2215	114800	SH16M03X	2215	172400	HI04N01X	2219	004816	T816R01
2213	124000	SH16M02X	2215	020120	AHV71582	2215	114900	SH16M02X	2215	172500	HI04N03X	2219	004820	PH00AAAA
2213	124100	SH16M03X	2215	064200	STOPIT	2215	115000	SH16M03X	2215	172600	HI04N04X	2219	004824	AHV71582
2213	124200	SH16M02X	2215	102000	APPON	2215	115100	SH16M02X	2215	172700	HI04N01X	2219	051100	STOPIT
2213	124300	SH16M03X	2215	102016	SH16M01	2215	115200	SH16M03X	2215	172800	HI04N03X	2219	080200	IMSON
2213	124400	SH16M02X	2215	102100	SH16M02X	2215	115300	SH16M02X	2215	172900	HI04N04X	2219	080216	T816R01
2213	124500	SH16M03X	2215	102200	SH16M03X	2215	115400	SH16M03X	2215	173000	HI04N01X	2219	080220	PH00AAAA
2213	124600	SH16M02X	2215	102300	SH16M02X	2215	115500	SH16M02X	2215	173100	HI04N03X	2219	080224	AHV71582
2213	124700	SH16M03X	2215	102400	SH16M03X	2215	115600	SH16M03X	2215	173200	HI04N04X	2219	092000	STOPIT
2213	124800	SH16M02X	2215	102500	SH16M02X	2215	115700	SH16M02X	2215	173300	HI04N01X	2219	101200	IMSON
2213	124900	SH16M03X	2215	102600	SH16M03X	2215	115800	SH16M03X	2215	173400	HI04N03X	2219	101216	SH16M01
2213	125000	SH16M02X	2215	102700	SH16M02X	2215	115900	SH16M02X	2215	173500	HI04N04X	2219	101220	PH00ADAA
2213	125100	SH16M03X	2215	102800	SH16M03X	2215	120000	SH16M03X	2215	173600	HI04N01X	2219	101224	AHV71582
2213	125200	SH16M02X	2215	102900	SH16M02X	2215	120100	SH16M02X	2215	173700	HI04N03X	2219	130200	STOPIT
2213	125300	SH16M03X	2215	103000	SH16M03X	2215	120200	SH16M03X	2215	173800	HI04N04X	2219	155000	APPON
2213	125400	SH16M02X	2215	103100	SH16M02X	2215	120300	SH16M02X	2215	173900	STOPIT	2219	155016	M133301
2213	125500	SH16M03X	2215	103200	SH16M03X	2215	120400	SH16M03X	2215	174300	IMSON	2219	155116	SSN8V01X
2213	125600	SH16M02X	2215	103300	SH16M02X	2215	120500	SH16M02X	2215	174316	T816R01	2219	155120	PH80AAAA
2213	125700	SH16M03X	2215	103400	SH16M03X	2215	120600	SH16M03X	2215	174320	PH00AAAA	2219	155124	AHV71582
2213	125800	SH16M02X	2215	103500	SH16M02X	2215	120700	SH16M02X	2215	174324	AHV71582	2219	202600	PH00AAAA
2213	125900	SH16M03X	2215	103600	SH16M03X	2215	120800	SH16M03X	2215	202300	STOPIT	2219	202604	AHV71582
2213	130000	SH16M02X	2215	103700	SH16M02X	2215	120900	SH16M02X	2215	230100	APPON	2219	205400	PH80AAAA
2213	130100	SH16M03X	2215	103800	SH16M03X	2215	121000	SH16M03X	2215	230116	M133301	2219	205404	AHV71582
2213	130200	SH16M02X	2215	103900	SH16M02X	2215	121100	SH16M02X	2215	230216	SSN8V01X	2219	212500	STOPIT
2213	130300	SH16M03X	2215	104000	SH16M03X	2215	121200	SH16M03X	2215	230220	PH80AAAA	2219	232500	IMSON
2213	130400	SH16M02X	2215	104100	SH16M02X	2215	121300	SH16M02X	2215	230224	AHV71582	2219	232516	T816R01
2213	130500	SH16M03X	2215	104200	SH16M03X	2215	121400	SH16M03X	2216	031500	STOPIT	2219	232520	PH00AAAA
2213	130600	SH16M02X	2215	104300	SH16M02X	2215	121500	SH16M02X	2216	061500	APPON	2219	232524	AHV71582
2213	130700	SH16M03X	2215	104400	SH16M03X	2215	121600	SH16M03X	2216	061516	M133301	2220	013100	STOPIT
2213	130800	SH16M02X	2215	104500	SH16M02X	2215	121700	SH16M02X	2216	061616	SSN8V01X	2220	033100	APPON
2213	130900	SH16M03X	2215	104600	SH16M03X	2215	121800	SH16M03X	2216	061620	PH80AAAA	2220	033116	SH16M01
2213	131000	SH16M02X	2215	104700	SH16M02X	2215	121900	SH16M02X	2216	061624	AHV71582	2220	033120	PH00ADAA
2213	131100	SH16M03X	2215	104800	SH16M03X	2215	122000	SH16M03X	2216	102200	PH00AAAA	2220	033124	AHV71582
2213	131200	SH16M02X	2215	104900	SH16M02X	2215	122100	SH16M02X	2216	102204	AHV71582	2220	035100	PH80ADAA
2213	131300	STOPIT	2215	105000	SH16M03X	2215	122200	SH16M03X	2216	105000	STOPIT	2220	035104	AHV71582
2213	131800	APPON	2215	105100	SH16M02X	2215	122300	SH16M02X	2216	125000	APPON	2220	095500	STOPIT
2213	131816	M133301	2215	105200	SH16M03X	2215	122400	SH16M03X	2216	125016	T816R01	2220	120000	IMSON
2213	131916	SSN8V01X	2215	105300	SH16M02X	2215	122500	SH16M02X	2216	125020	PH80AAAA	2220	120016	T816R01
2213	131920	PH80AAAA	2215	105400	SH16M03X	2215	122600	SH16M03X	2216	125024	AHV71582	2220	120020	PH00AAAA
2213	131924	AHV71582	2215	105500	SH16M02X	2215	122700	SH16M02X	2216	165500	STOPIT	2220	120024	AHV71582
2213	135200	PH00AAAA	2215	105600	SH16M03X	2215	122800	SH16M03X	2216	190500	IMSON	2220	143000	STOPIT
2213	135204	AHV71582	2215	105700	SH16M02X	2215	122900	SH16M02X	2216	190516	T816R01	2220	184500	APPON
2213	142000	PH80AAAA	2215	105800	SH16M03X	2215	123000	SH16M03X	2216	190520	PH00AAAA	2220	184516	SH16M01
2213	142004	AHV71582	2215	105900	SH16M02X	2215	123100	SH16M02X	2216	190524	AHV71582	2220	184520	PH80ADAA
2213	147000	STOPIT	2215	110000	SH16M03X	2215	123200	SH16M03X	2216	234500	STOPIT	2220	184524	AHV71582
2213	172800	IMSON	2215	110100	SH16M02X	2215	123300	SH16M02X	2217	040400	APPON	2220	213600	STOPIT
2213	172816	HI04N01	2215	110200	SH16M03X	2215	123400	SH16M03X	2217	040416	T816R01	2221	012500	APPON
2213	172900	HI04N01X	2215	110300	SH16M02X	2215	123500	SH16M02X	2217	040420	PH80AAAA	2221	012516	M133301
2213	173000	HI04N03X	2215	110400	SH16M03X	2215	123600	SH16M03X	2217	040424	AHV71582	2221	012616	SSN8V01X
2213	173100	HI04N04X	2215	110500	SH16M02X	2215	123700	SH16M02X	2217	065400	PH00AAAA	2221	012620	PH80AAAA
2213	173200	HI04N01X	2215	110600	SH16M03X	2215	123800	SH16M03X	2217	065404	AHV71582	2221	012624	AHV71582
2213	173300	HI04N03X	2215	110700	SH16M02X	2215	123900	SH16M02X	2217	072600	PH80AAAA	2221	064400	PH00AAAA
2213	173400	HI04N04X	2215	110800	SH16M03X	2215	124000	SH16M03X	2217	072604	AHV71582	2221	064404	AHV71582
2213	173500	HI04N01X	2215	110900	SH16M02X	2215	124100	SH16M02X	2217	085100	STOPIT	2221	071600	STOPIT
2213	173600	HI04N03X	2215	111000	SH16M03X	2215	124200	SH16M03X	2217	101700	IMSON	2221	092600	APPON
2213	173700	HI04N04X	2215	111100	SH16M02X	2215								

DE 1/RIMS 1982 Instrument Modes

2222	002500	STOPIT	2225	231900	T816Q05X	2226	005100	T816Q03X	2226	022400	T816Q04X	2226	035600	T816Q05X
2222	032500	APPON	2225	232000	T816Q02X	2226	005200	T816Q02X	2226	022500	T816Q02X	2226	035700	T816Q02X
2222	032516	T816R01	2225	232100	T816Q03X	2226	005300	T816Q04X	2226	022600	T816Q05X	2226	035800	T816Q03X
2222	032520	PH00AAAA	2225	232200	T816Q02X	2226	005400	T816Q02X	2226	022700	T816Q02X	2226	035900	T816Q02X
2222	032524	AHV71582	2225	232300	T816Q04X	2226	005500	T816Q05X	2226	022800	T816Q03X	2226	040000	T816Q04X
2222	075700	STOPIT	2225	232400	T816Q02X	2226	005600	T816Q02X	2226	022900	T816Q02X	2226	040100	T816Q02X
2222	105700	IMSON	2225	232500	T816Q05X	2226	005700	T816Q03X	2226	023000	T816Q04X	2226	040200	T816Q05X
2222	105716	T816R01	2225	232600	T816Q02X	2226	005800	T816Q02X	2226	023100	T816Q02X	2226	040300	T816Q02X
2222	105720	PH00AAAA	2225	232700	T816Q03X	2226	005900	T816Q04X	2226	023200	T816Q05X	2226	040400	T816Q03X
2222	105724	AHV71582	2225	232800	T816Q02X	2226	010000	T816Q02X	2226	023300	T816Q02X	2226	040500	T816Q02X
2222	135500	STOPIT	2225	232900	T816Q04X	2226	010100	T816Q05X	2226	023400	T816Q03X	2226	040600	T816Q04X
2222	165300	APPON	2225	233000	T816Q02X	2226	010200	T816Q02X	2226	023500	T816Q02X	2226	040700	T816Q02X
2222	165316	SH16M01	2225	233100	T816Q05X	2226	010300	T816Q03X	2226	023600	T816Q04X	2226	040800	T816Q05X
2222	165320	PH00ADAA	2225	233200	T816Q02X	2226	010400	T816Q02X	2226	023700	T816Q02X	2226	040900	T816Q02X
2222	165324	AHV71582	2225	233300	T816Q03X	2226	010500	T816Q04X	2226	023800	T816Q05X	2226	041000	T816Q03X
2222	172000	PH80ADAA	2225	233400	T816Q02X	2226	010600	T816Q02X	2226	023900	T816Q02X	2226	041100	T816Q02X
2222	172004	AHV71582	2225	233500	T816Q04X	2226	010700	T816Q05X	2226	024000	T816Q03X	2226	041200	T816Q04X
2222	190700	PH00ADAA	2225	233600	T816Q02X	2226	010800	T816Q02X	2226	024100	T816Q02X	2226	041300	T816Q02X
2222	190704	AHV71582	2225	233700	T816Q05X	2226	010900	T816Q03X	2226	024200	T816Q04X	2226	041400	T816Q05X
2222	222600	STOPIT	2225	233800	T816Q02X	2226	011000	T816Q02X	2226	024300	T816Q02X	2226	041500	T816Q02X
2223	012000	APPON	2225	233900	T816Q03X	2226	011100	T816Q04X	2226	024400	T816Q05X	2226	041600	T816Q03X
2223	012016	M133301	2225	234000	T816Q02X	2226	011200	T816Q02X	2226	024500	T816Q02X	2226	041700	T816Q02X
2223	012116	SSN8V01X	2225	234100	T816Q04X	2226	011300	T816Q05X	2226	024600	T816Q03X	2226	041800	T816Q04X
2223	012120	PH80AAAA	2225	234200	T816Q02X	2226	011400	T816Q02X	2226	024700	T816Q02X	2226	041900	T816Q02X
2223	012124	AHV71582	2225	234300	T816Q05X	2226	011500	T816Q03X	2226	024800	T816Q04X	2226	042000	T816Q05X
2223	063900	PH00AAAA	2225	234400	T816Q02X	2226	011600	T816Q02X	2226	024900	T816Q02X	2226	042100	T816Q02X
2223	063904	AHV71582	2225	234500	T816Q03X	2226	011700	T816Q04X	2226	025000	T816Q05X	2226	042200	T816Q03X
2223	071100	STOPIT	2225	234600	T816Q02X	2226	011800	T816Q02X	2226	025100	T816Q02X	2226	042300	T816Q02X
2223	092100	APPON	2225	234700	T816Q04X	2226	011900	T816Q05X	2226	025200	T816Q03X	2226	042400	T816Q04X
2223	092116	M133301	2225	234800	T816Q02X	2226	012000	T816Q02X	2226	025300	T816Q02X	2226	042500	T816Q02X
2223	092216	SSN8V01X	2225	234900	T816Q05X	2226	012100	T816Q03X	2226	025400	T816Q04X	2226	042600	T816Q05X
2223	092220	PH80AAAA	2225	235000	T816Q02X	2226	012200	T816Q02X	2226	025500	T816Q02X	2226	042700	T816Q02X
2223	092224	AHV71582	2225	235100	T816Q03X	2226	012300	T816Q04X	2226	025600	T816Q05X	2226	042800	T816Q03X
2223	132600	PH00AAAA	2225	235200	T816Q02X	2226	012400	T816Q02X	2226	025700	T816Q02X	2226	042900	T816Q02X
2223	132604	AHV71582	2225	235300	T816Q04X	2226	012500	T816Q05X	2226	025800	T816Q03X	2226	043000	T816Q04X
2223	135400	STOPIT	2225	235400	T816Q02X	2226	012600	T816Q02X	2226	025900	T816Q02X	2226	043100	T816Q02X
2223	155400	IMSON	2225	235500	T816Q05X	2226	012700	T816Q03X	2226	030000	T816Q04X	2226	043200	T816Q05X
2223	155416	T816R01	2225	235600	T816Q02X	2226	012800	T816Q02X	2226	030100	T816Q02X	2226	043300	T816Q02X
2223	155420	PH00AAAA	2225	235700	T816Q03X	2226	012900	T816Q04X	2226	030200	T816Q05X	2226	043400	T816Q03X
2223	155424	AHV71582	2225	235800	T816Q02X	2226	013000	T816Q02X	2226	030300	T816Q02X	2226	043500	T816Q02X
2223	194100	STOPIT	2225	235900	T816Q04X	2226	013100	T816Q05X	2226	030400	T816Q03X	2226	043600	T816Q04X
2223	211100	IMSON	2226	000000	T816Q02X	2226	013200	T816Q02X	2226	030500	T816Q02X	2226	043700	T816Q02X
2223	211116	SH16M01	2226	000100	T816Q05X	2226	013300	T816Q03X	2226	030600	T816Q04X	2226	043800	T816Q05X
2223	211120	PH00ADAA	2226	000200	T816Q02X	2226	013400	T816Q02X	2226	030700	T816Q02X	2226	043900	T816Q02X
2223	211124	AHV71582	2226	000300	T816Q05X	2226	013500	T816Q04X	2226	030800	T816Q05X	2226	044000	T816Q03X
2224	002000	STOPIT	2226	000400	T816Q02X	2226	013600	T816Q02X	2226	030900	T816Q02X	2226	044100	T816Q02X
2224	032000	APPON	2226	000500	T816Q04X	2226	013700	T816Q05X	2226	031000	T816Q03X	2226	044200	T816Q04X
2224	032016	T816R01	2226	000600	T816Q02X	2226	013800	T816Q02X	2226	031100	T816Q02X	2226	044300	T816Q02X
2224	032020	PH00AAAA	2226	000700	T816Q05X	2226	013900	T816Q03X	2226	031200	T816Q04X	2226	044400	T816Q05X
2224	032024	AHV71582	2226	000800	T816Q02X	2226	014000	T816Q02X	2226	031300	T816Q02X	2226	044500	T816Q02X
2224	075200	STOPIT	2226	000900	T816Q03X	2226	014100	T816Q04X	2226	031400	T816Q05X	2226	044600	T816Q03X
2224	105200	IMSON	2226	001000	T816Q02X	2226	014200	T816Q02X	2226	031500	T816Q02X	2226	044700	T816Q02X
2224	105216	T816R01	2226	001100	T816Q04X	2226	014300	T816Q05X	2226	031600	T816Q03X	2226	044800	T816Q04X
2224	105220	PH00AAAA	2226	001200	T816Q02X	2226	014400	T816Q02X	2226	031700	T816Q02X	2226	044900	T816Q02X
2224	105224	AHV71582	2226	001300	T816Q05X	2226	014500	T816Q03X	2226	031800	T816Q04X	2226	045000	T816Q05X
2224	135000	STOPIT	2226	001400	T816Q02X	2226	014600	T816Q02X	2226	031900	T816Q02X	2226	045100	T816Q02X
2224	164800	APPON	2226	001500	T816Q03X	2226	014700	T816Q04X	2226	032000	T816Q05X	2226	045200	T816Q03X
2224	164816	SH16M01	2226	001600	T816Q02X	2226	014800	T816Q02X	2226	032100	T816Q02X	2226	045300	T816Q02X
2224	164820	PH00ADAA	2226	001700	T816Q04X	2226	014900	T816Q05X	2226	032200	T816Q03X	2226	045400	T816Q04X
2224	164824	AHV71582	2226	001800	T816Q02X	2226	015000	T816Q02X	2226	032300	T816Q02X	2226	045500	T816Q02X
2224	171500	PH80ADAA	2226	001900	T816Q05X	2226	015100	T816Q03X	2226	032400	T816Q04X	2226	045600	T816Q05X
2224	171504	AHV71582	2226	002000	T816Q02X	2226	015200	T816Q02X	2226	032500	T816Q02X	2226	045700	T816Q02X
2224	190200	PH00ADAA	2226	002100	T816Q03X	2226	015300	T816Q04X	2226	032600	T816Q05X	2226	045800	T816Q03X
2224	190204	AHV71582	2226	002200	T816Q02X	2226	015400	T816Q02X	2226	032700	T816Q02X	2226	045900	T816Q02X
2224	222100	STOPIT	2226	002300	T816Q04X	2226	015500	T816Q05X	2226	032800	T816Q03X	2226	050000	T816Q04X
2225	001000	IMSON	2226	002400	T816Q02X	2226	015600	T816Q02X	2226	032900	T816Q02X	2226	050100	T816Q02X
2225	001016	T816R01	2226	002500	T816Q05X	2226	015700	T816Q03X	2226	033000	T816Q04X	2226	050200	T816Q05X
2225	001020	PH00AAAA	2226	002600	T816Q02X	2226	015800	T816Q02X	2226	033100	T816Q02X	2226	050300	T816Q02X
2225	001024	AHV71582	2226	002700	T816Q03X	2226	020000	T816Q04X	2226	033200	T816Q05X	2226	050400	T816Q03X
2225	021000	STOPIT	2226	002800	T816Q02X	2226	020100	T816Q02X	2226	033300	T816Q02X	2226	050500	T816Q02X
2225	034200	IMSON	2226	002900	T816Q04X	2226	020200	T816Q05X	2226	033400	T816Q03X	2226	050600	T816Q04X
2225	034216	T816R01	2226	003000	T816Q02X	2226	020300	T816Q02X	2226	033500	T816Q02X	2226	050700	T816Q02X
2225	034220	PH00AAAA	2226	003100	T816Q05X	2226	020400	T816Q03X	2226	033600	T816Q04X	2226	050800	T816Q05X
2225	034224	AHV71582	2226	003200	T816Q02X	2226	020500	T816Q02X	2226	033700	T816Q02X	2226	050900	T816Q02X
2225	061200	STOPIT	2226	003300	T816Q03X	2226	020600	T816Q04X	2226	033800	T816Q05X	2226	051000	T816Q03X
2225	075000	IMSON	2226	003400	T816Q02X	2226	020700	T816Q02X	2226	033900	T816Q02X	2226		

DE 1/RIMS 1982 Instrument Modes

2226	052800	T816Q03X	2228	095100	PH00AAAA
2226	052900	T816Q02X	2228	095104	AHV71582
2226	053000	T816Q04X	2228	102000	PH80AAAA
2226	053100	T816Q02X	2228	102004	AHV71582
2226	053200	T816Q05X	2228	124800	STOPIT
2226	053300	T816Q02X	2228	154800	APPON
2226	053400	T816Q03X	2228	154816	M133301
2226	053500	T816Q02X	2228	154916	SSN8V01X
2226	053600	T816Q04X	2228	154920	PH80AAAA
2226	053700	T816Q02X	2228	154924	AHV71582
2226	053800	T816Q05X	2228	163900	PH00AAAA
2226	053900	T816Q02X	2228	163904	AHV71582
2226	054000	T816Q03X	2228	170500	PH80AAAA
2226	054100	T816Q02X	2228	170504	AHV71582
2226	054200	T816Q04X	2228	173000	STOPIT
2226	054300	T816Q02X	2228	193000	APPON
2226	054400	T816Q05X	2228	193016	T816R01
2226	054500	T816Q02X	2228	193020	PH80AAAA
2226	054600	T816Q03X	2228	193024	AHV71582
2226	054700	T816Q02X	2228	220600	STOPIT
2226	054800	T816Q04X	2229	010600	APPON
2226	054900	T816Q02X	2229	010616	M133301
2226	055000	T816Q05X	2229	010716	SSN8V01X
2226	055100	T816Q02X	2229	010720	PH80AAAA
2226	055200	T816Q03X	2229	010724	AHV71582
2226	055300	T816Q02X	2229	051000	STOPIT
2226	055400	T816Q04X	2229	065400	APPON
2226	055500	T816Q02X	2229	065416	T816R01
2226	055600	T816Q05X	2229	065420	PH80AAAA
2226	055700	T816Q02X	2229	065424	AHV71582
2226	055800	T816Q03X	2229	103500	STOPIT
2226	055900	T816Q02X	2229	123500	APPON
2226	060000	T816Q04X	2229	123516	M133301
2226	060100	T816Q02X	2229	123616	SSN8V01X
2226	060200	T816Q05X	2229	123620	PH80AAAA
2226	060300	T816Q02X	2229	123624	AHV71582
2226	060400	STOPIT	2229	131200	PH00AAAA
2226	091800	APPON	2229	131204	AHV71582
2226	091816	M133301	2229	133800	STOPIT
2226	091916	SSN8V01X	2229	153800	IMSON
2226	091920	PH80AAAA	2229	153816	T816R01
2226	091924	AHV71582	2229	153820	PH00AAAA
2226	095600	PH00AAAA	2229	153824	AHV71582
2226	095604	AHV71582	2229	202000	STOPIT
2226	102500	PH80AAAA	2229	233600	APPON
2226	102504	AHV71582	2229	233616	INSTR10
2226	125300	STOPIT	2229	233620	AHV71582
2226	155300	APPON	2230	030200	PH00ADDT
2226	155316	M133301	2230	030204	AHV71582
2226	155416	SSN8V01X	2230	062700	STOPIT
2226	155420	PH80AAAA			
2226	155424	AHV71582			
2226	164400	PH00AAAA			
2226	164404	AHV71582			
2226	171000	PH80AAAA			
2226	171004	AHV71582			
2226	173500	STOPIT			
2226	193500	APPON			
2226	193516	T816R01			
2226	193520	PH80AAAA			
2226	193524	AHV71582			
2226	221100	STOPIT			
2227	000500	IMSON			
2227	000516	T816R01			
2227	000520	PH00AAAA			
2227	000524	AHV71582			
2227	020500	STOPIT			
2227	033700	IMSON			
2227	033716	T816R01			
2227	033720	PH00AAAA			
2227	033724	AHV71582			
2227	060700	STOPIT			
2227	074500	IMSON			
2227	074516	T816R01			
2227	074520	PH00AAAA			
2227	074524	AHV71582			
2227	123800	STOPIT			
2227	153800	APPON			
2227	153816	SH16M01			
2227	153820	PH80ADAA			
2227	153824	AHV71582			
2227	193300	STOPIT			
2227	230800	IMSON			
2227	230816	SH16M01			
2227	230820	PH00ADAA			
2227	230824	AHV71582			
2228	055900	STOPIT			
2228	091300	APPON			
2228	091316	M133301			
2228	091416	SSN8V01X			
2228	091420	PH80AAAA			
2228	091424	AHV71582			

END LISTING

V. DE1/RIMS 1982 SUMMARY SPECTROGRAMS

Errata

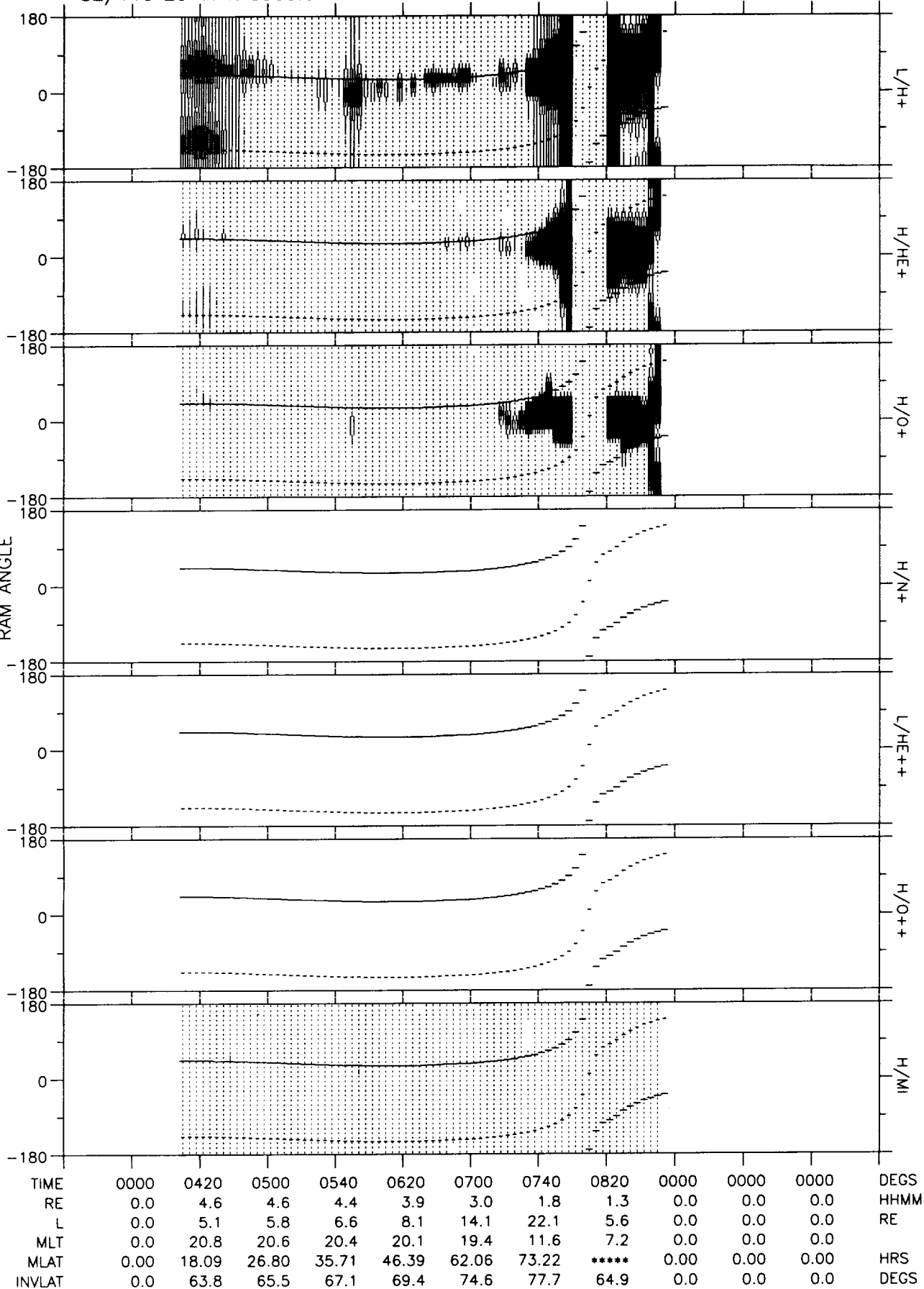
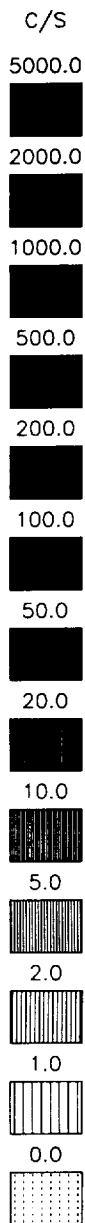
Units listed for the various orbit parameters shown
at the bottom of each plot should be as follows:

TIME HHMM
RE RE
L
MLT HRS
MLAT DEGS
INVLAT DEGS

The panel labeled L/He⁺⁺ refers to the response of the
RIMS low-mass channel to the M/Z=2 mass/charge settings.

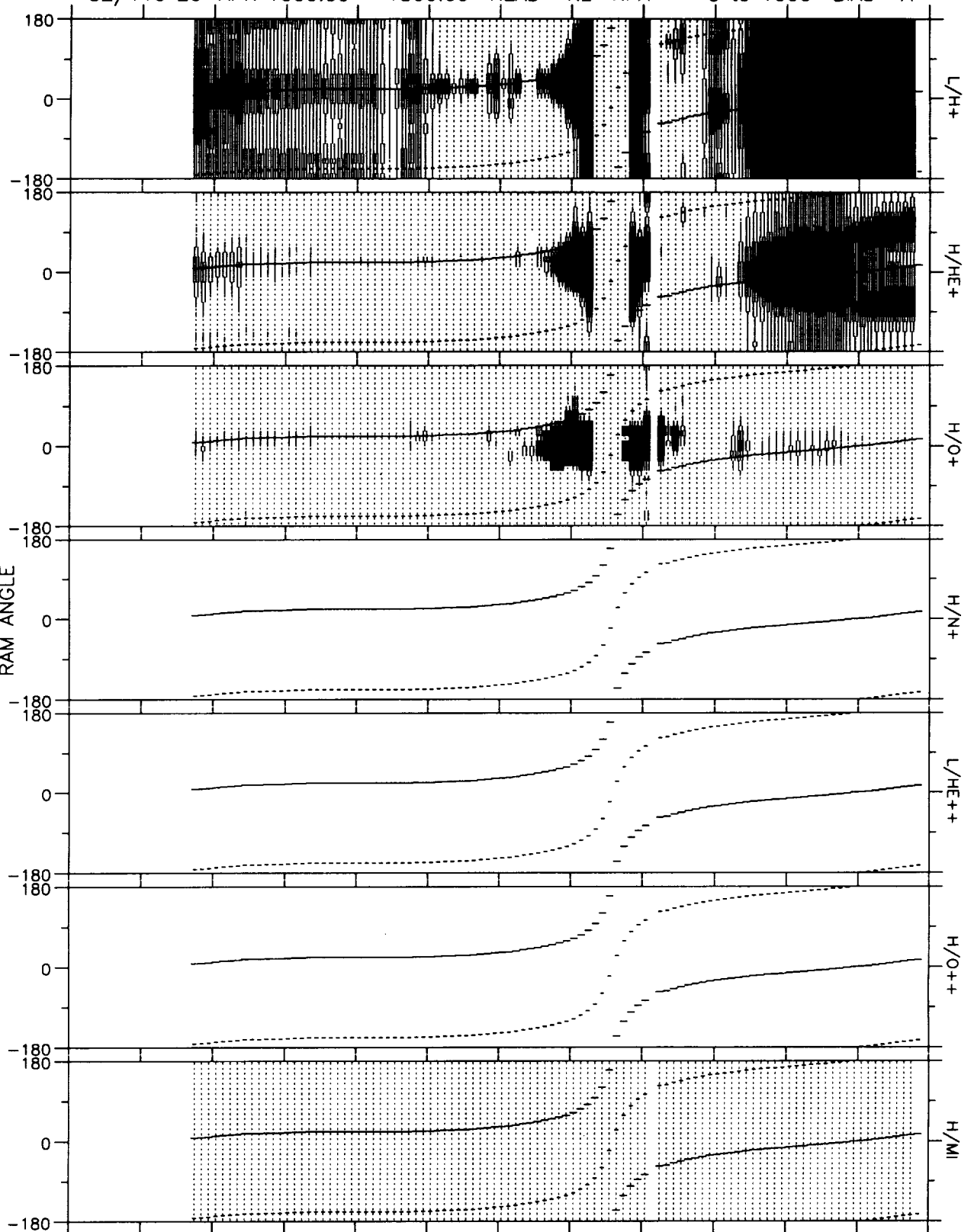
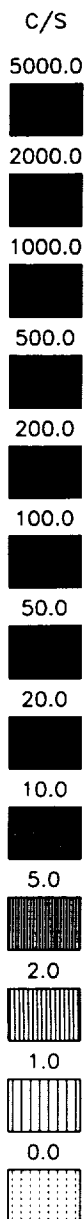
DE RIMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Wed Sep 29 16:47:02 1993

82/110 20-APR 0300:00 - 1100:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Wed Sep 29 16:48:49 1993

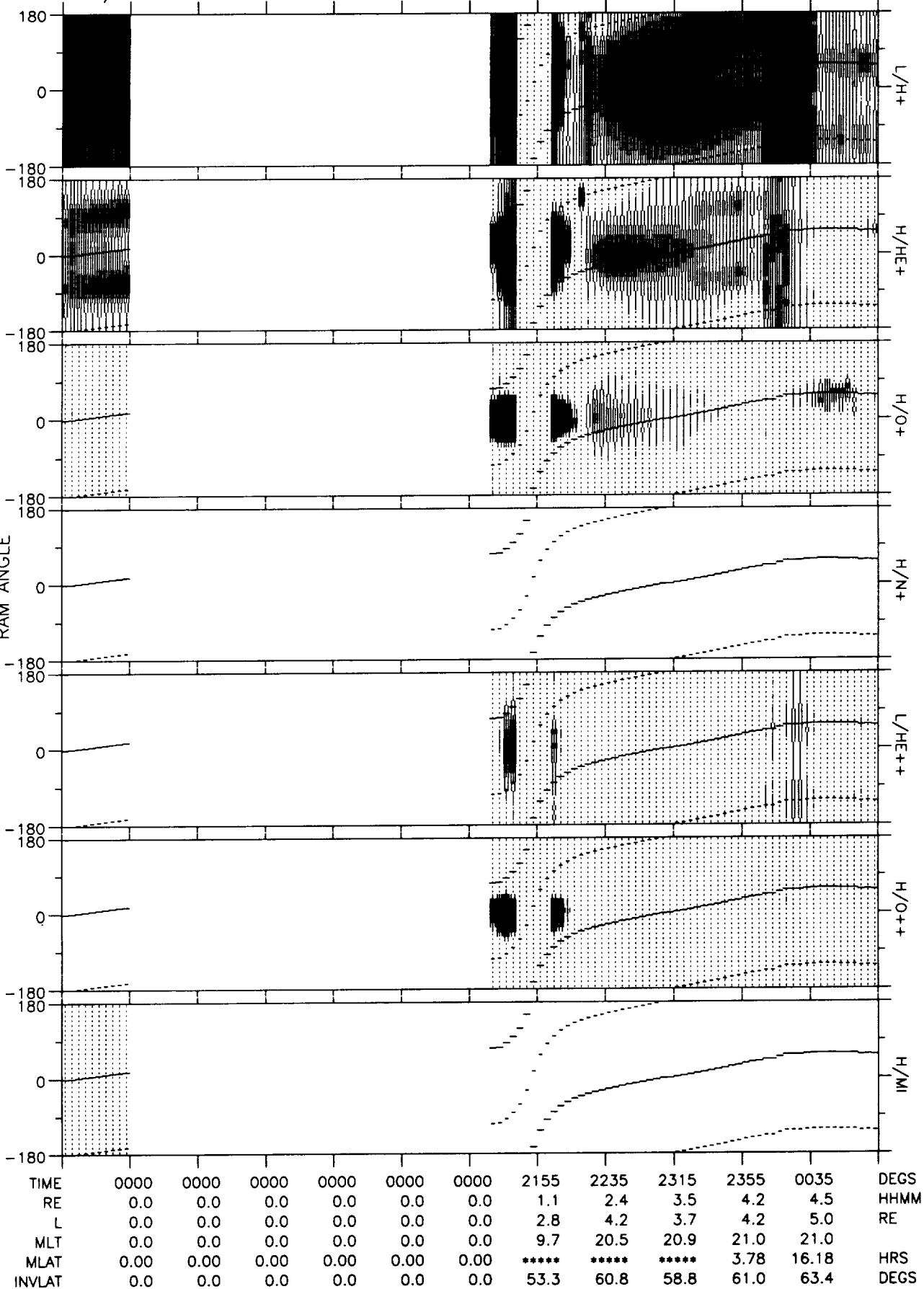
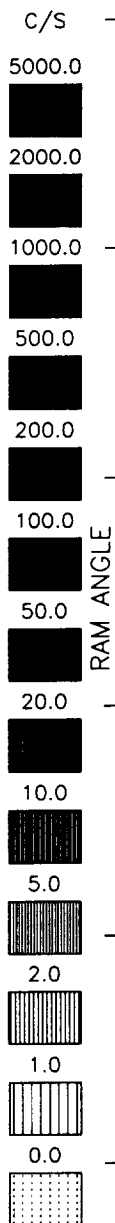
82/110 20-APR 1000:00 - 1800:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0000	1120	1200	1240	1320	1400	1440	1520	1600	1640	1720	DEGS
RE	0.0	4.7	4.6	4.3	3.7	2.8	1.5	1.5	2.9	3.8	4.3	HHMM
L	0.0	4.6	4.8	5.1	5.9	10.7	10.5	19.6	5.7	4.4	4.4	RE
MLT	0.0	20.7	20.6	20.6	20.7	20.9	8.1	10.4	20.4	20.7	20.9	
MLAT	0.0	2.41	11.90	22.57	36.24	57.62	67.83	*****	*****	*****	-7.72	HRS
INVLAT	0.0	62.2	62.8	63.6	65.7	72.2	72.0	76.9	65.1	61.6	61.6	DEGS

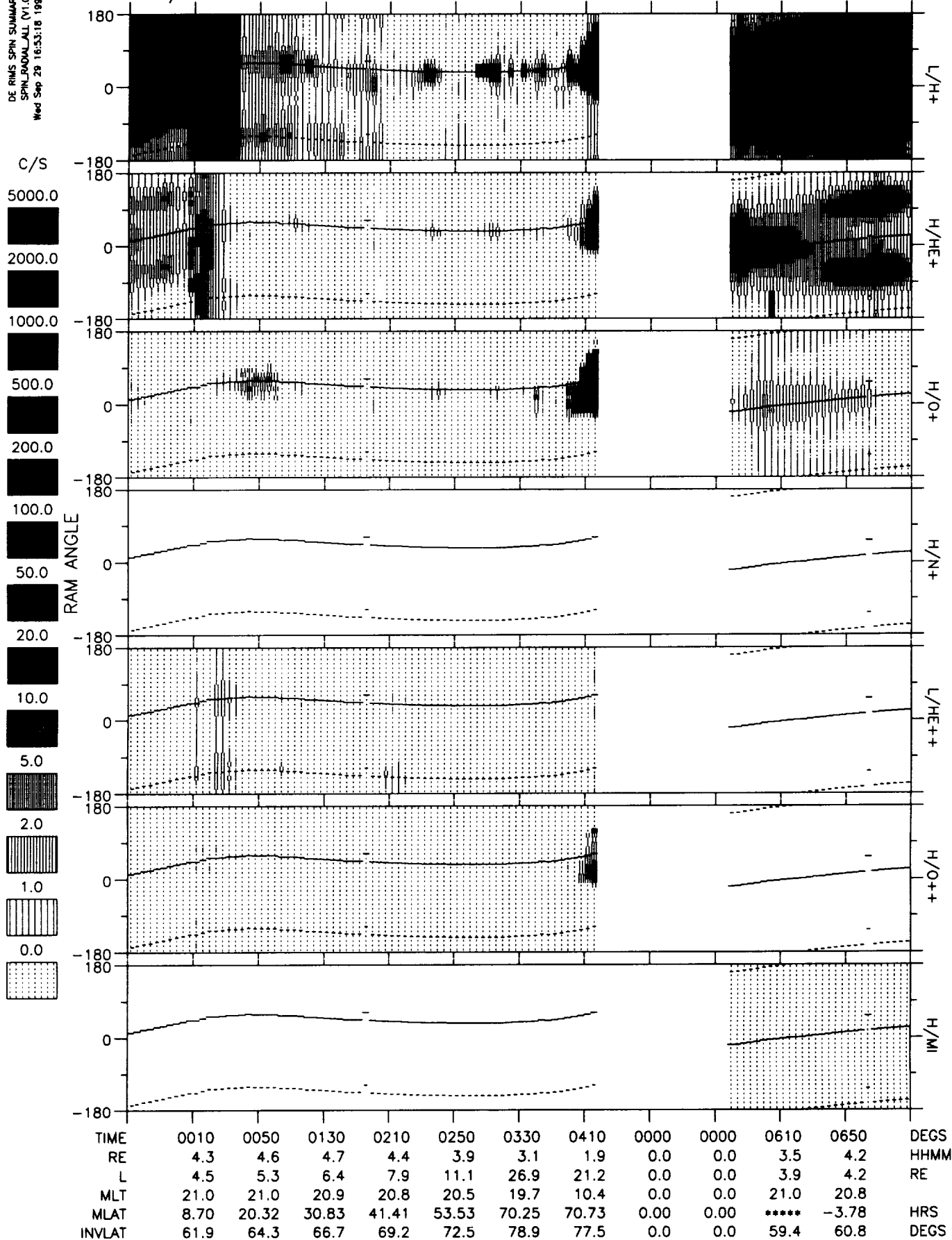
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Wed Sep 29 16:51:08 1993

82/110 20-APR 1715:00 - 0115:00 HEAD= RL RPA= 0 to 1000 BIAS= A



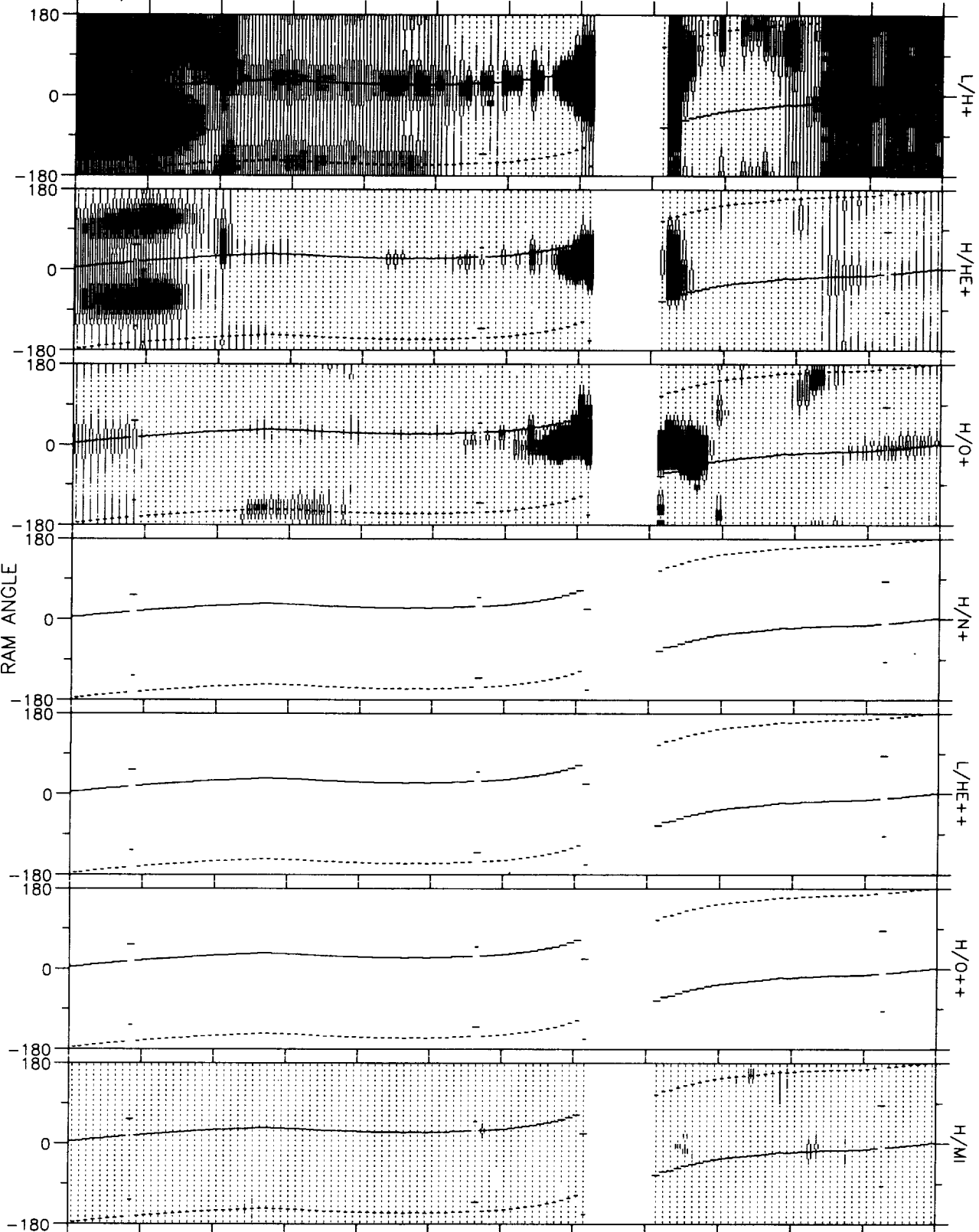
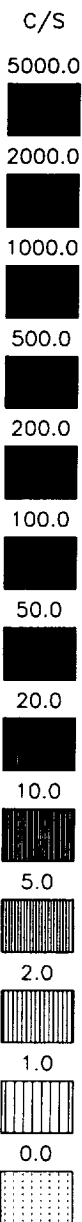
DE RIMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Wed Sep 29 16:53:18 1993

82/110 20-APR 2330:00 - 0730:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Wed Sep 29 16:55:42 1993

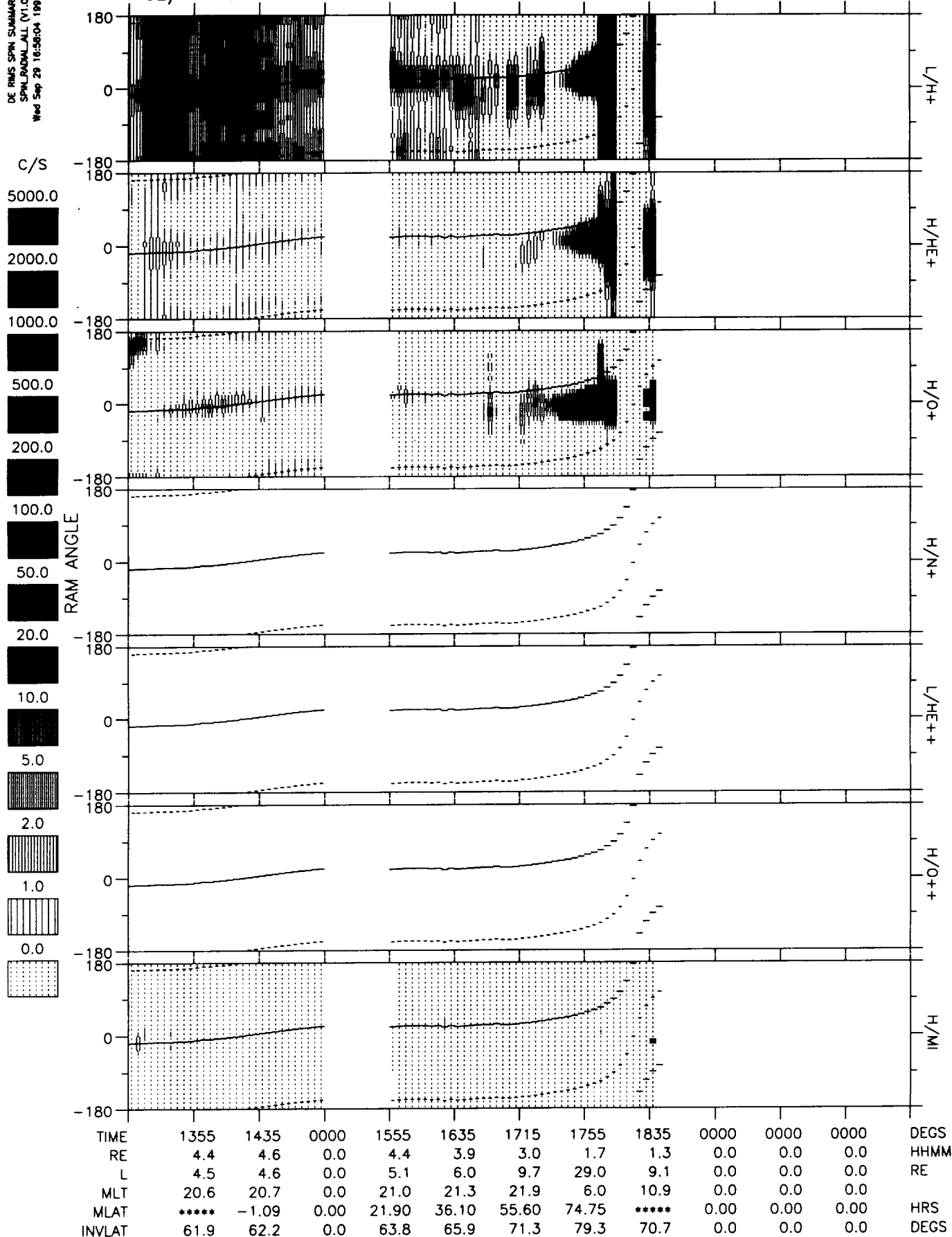
82/111 21-APR 0630:00 - 1430:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0710	0750	0830	0910	0950	1030	1110	0000	1230	1310	1350	DEGS
RE	4.4	4.7	4.6	4.3	3.8	2.8	1.5	0.0	2.8	-3.7	4.3	HHMM
L	4.4	4.7	5.0	5.4	6.2	10.8	11.5	0.0	6.5	4.7	4.5	RE
MLT	20.8	20.6	20.5	20.3	20.1	19.8	9.9	0.0	20.8	20.6	20.6	
MLAT	1.14	9.79	18.05	27.19	39.02	57.91	71.46	0.00	*****	*****	*****	HRS
INVLAT	61.5	62.6	63.5	64.5	66.4	72.3	72.8	0.0	67.0	62.5	61.9	DEGS

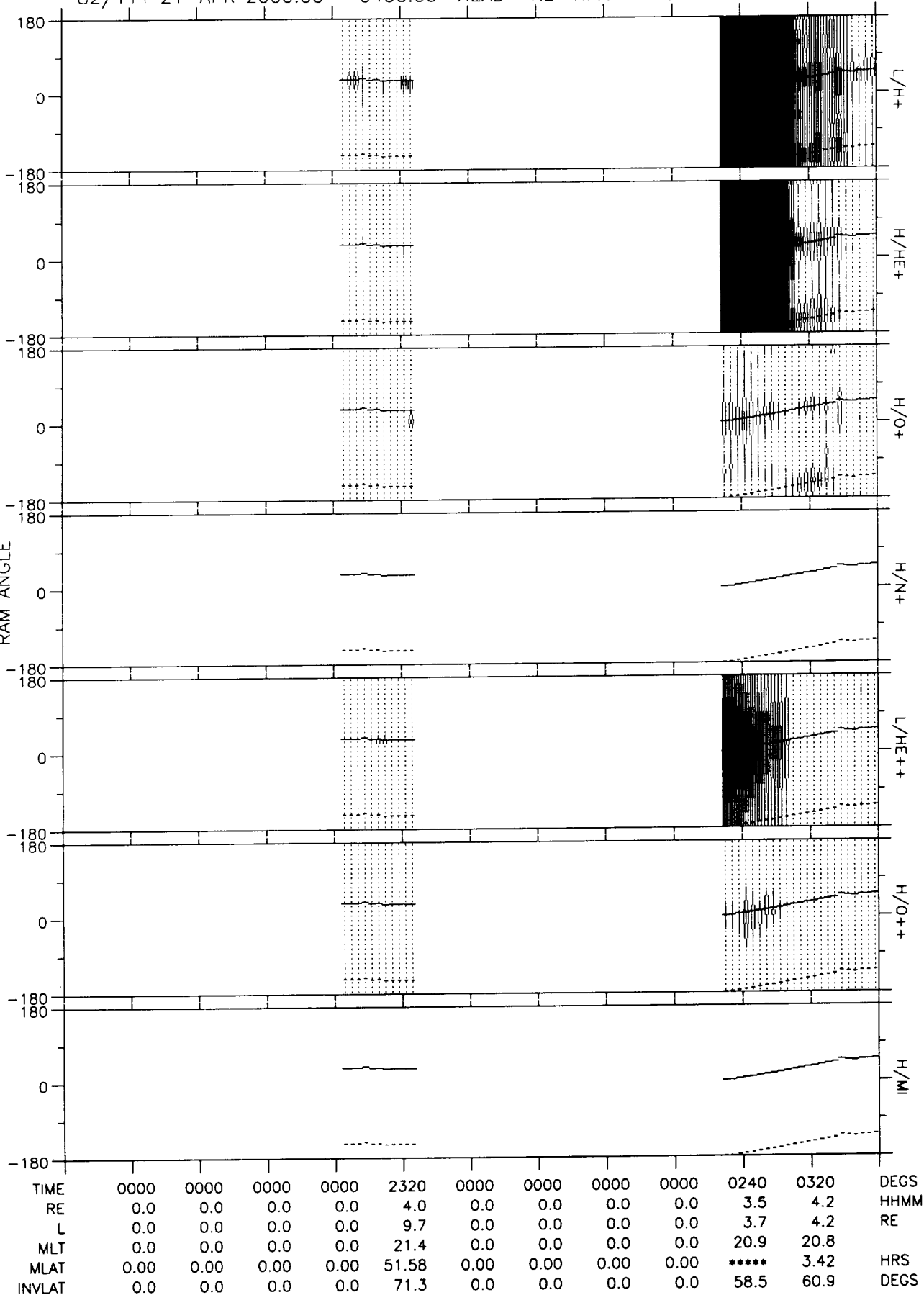
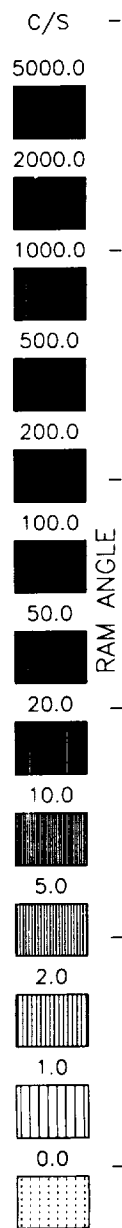
DE RMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Wed Sep 29 16:56:04 1993

82/111 21-APR 1315:00 - 2115:00 HEAD= RL RPA= 0 to 1000 BIAS= A



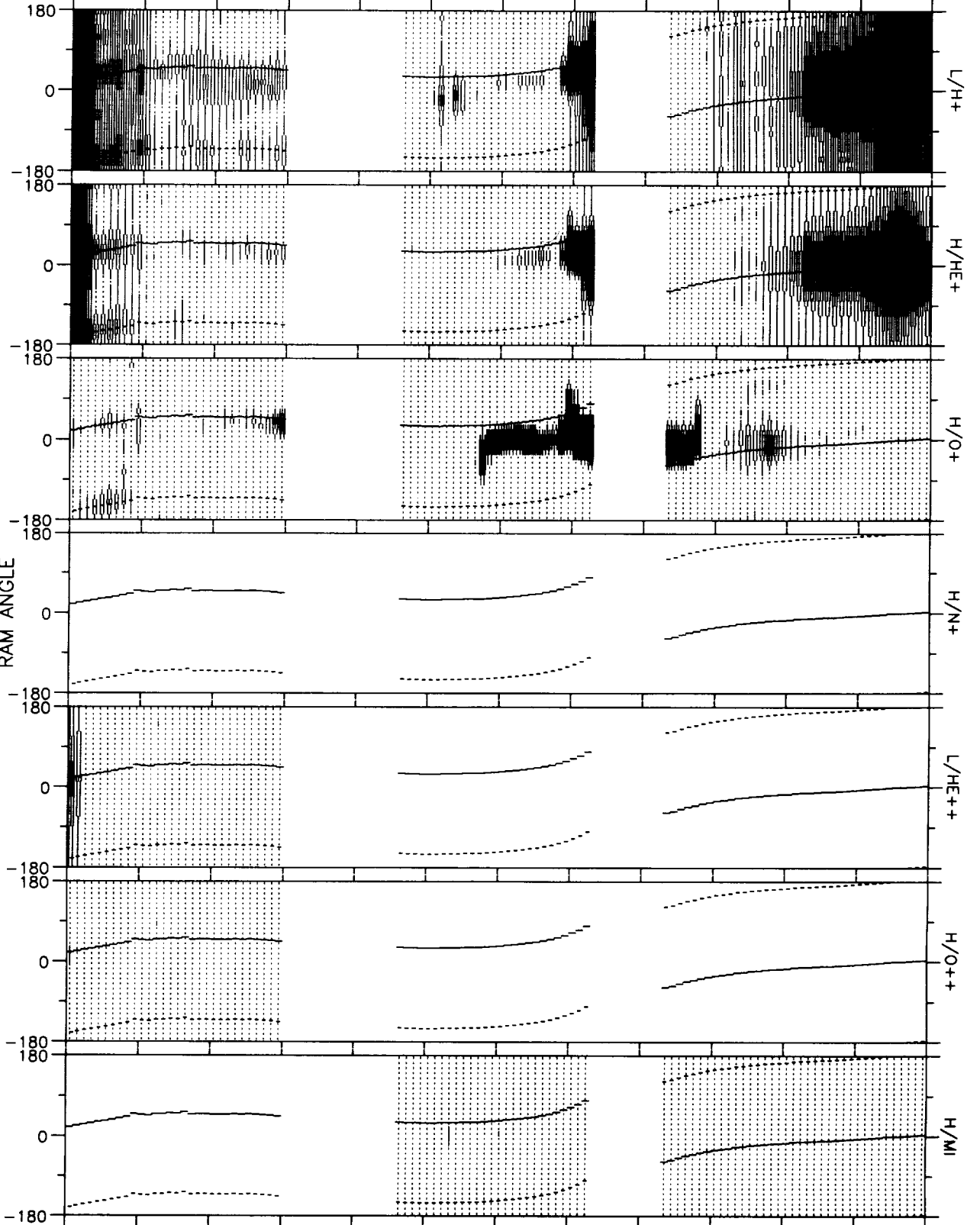
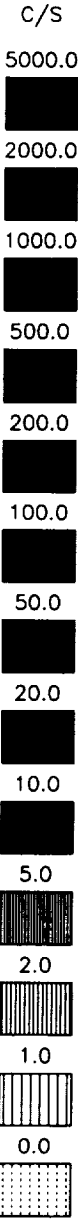
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Wed Sep 29 16:59:56 1993

82/111 21-APR 2000:00 - 0400:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Wed Sep 29 17:01:40 1993

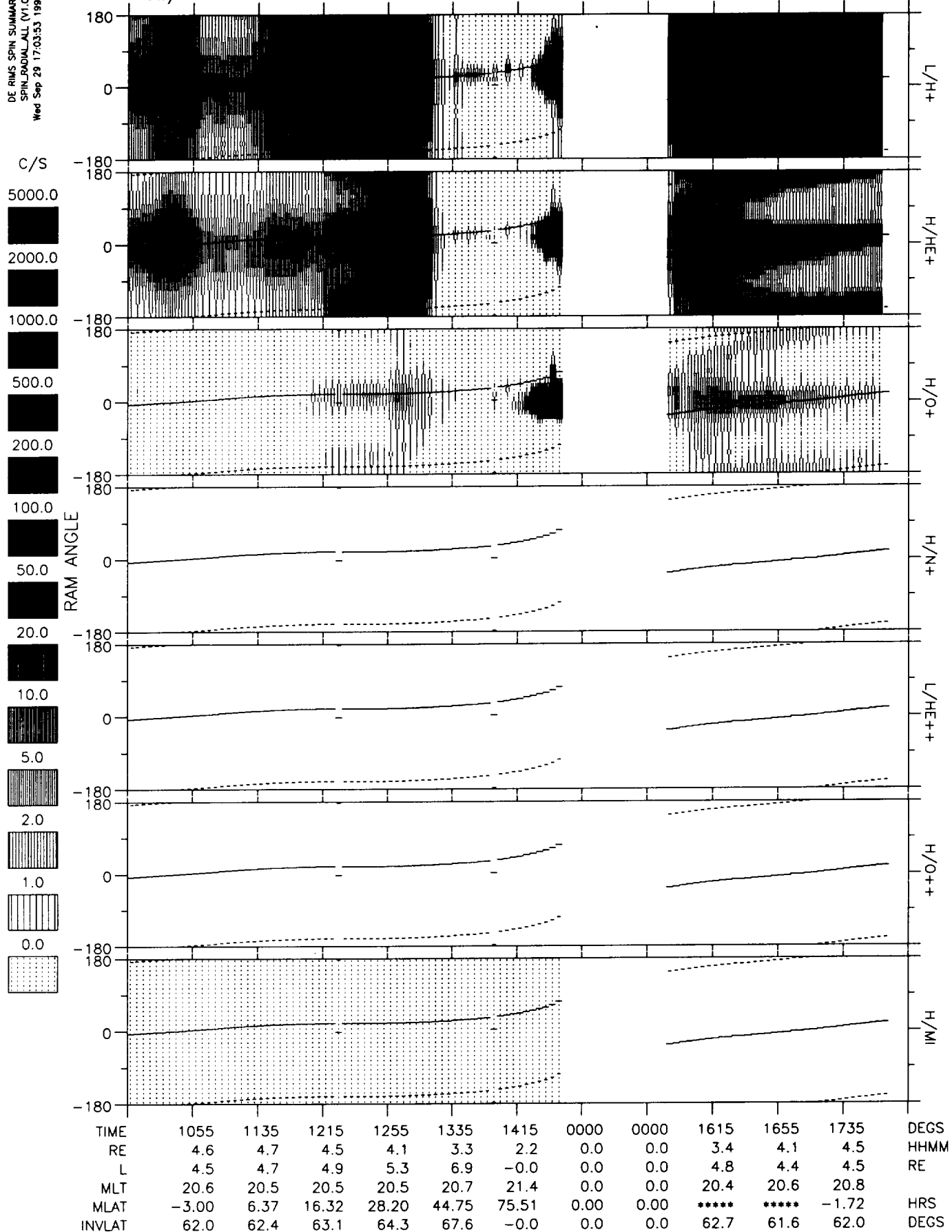
82/112 22-APR 0300:00 - 1100:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0340	0420	0000	0000	0620	0700	0740	0000	0900	0940	1020	DEGS
RE	4.4	4.6	0.0	0.0	3.8	2.9	1.6	0.0	2.7	3.7	4.3	HHMM
L	4.5	5.2	0.0	0.0	8.1	15.6	9.2	0.0	5.4	4.4	4.4	RE
MLT	20.8	20.6	0.0	0.0	19.9	19.1	10.5	0.0	21.3	20.9	20.7	
MLAT	8.95	18.46	0.00	0.00	47.21	63.98	66.15	0.00	*****	*****	*****	HRS
INVLAT	62.0	63.9	0.0	0.0	69.5	75.3	70.7	0.0	64.6	61.6	61.6	DEGS

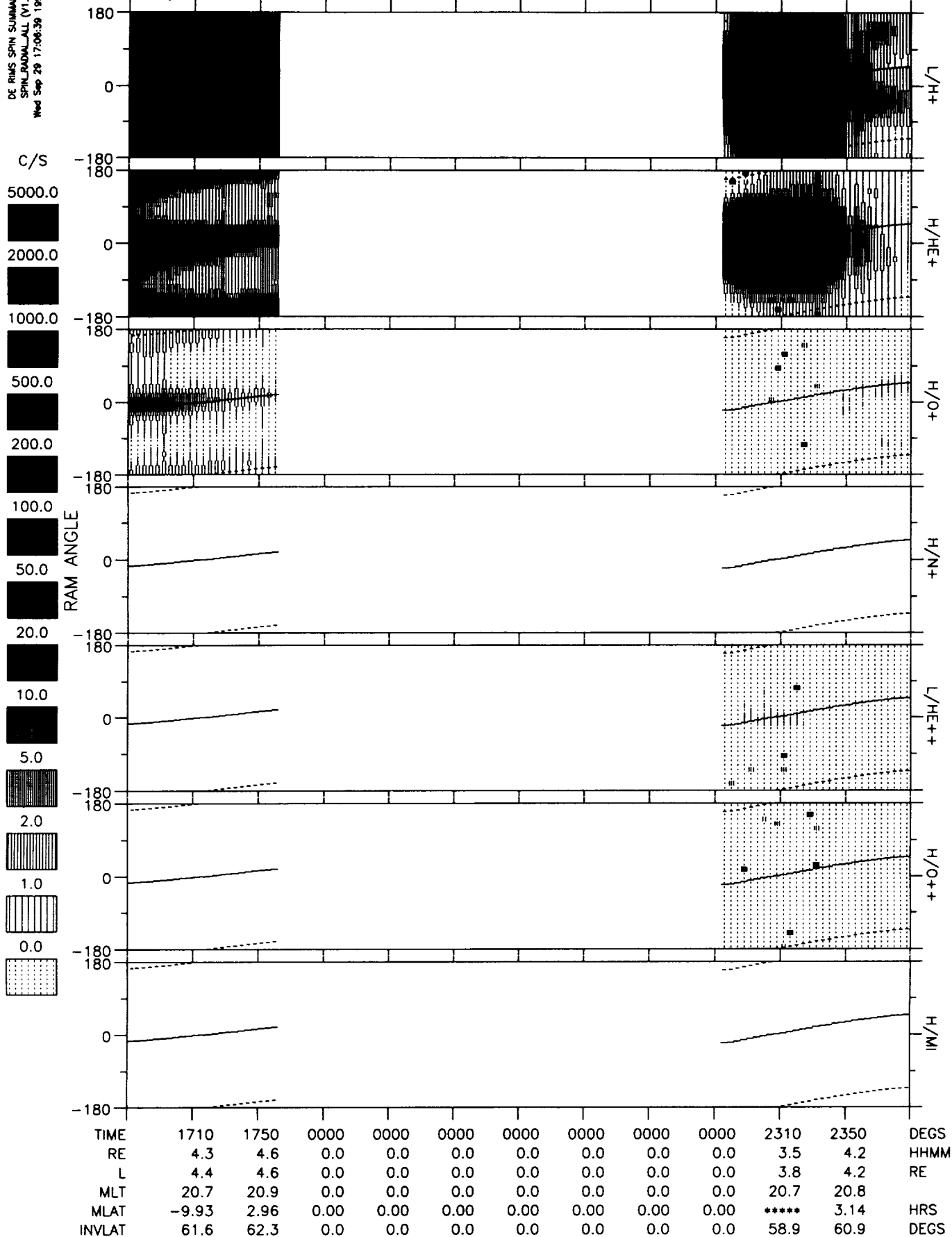
DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Wed Sep 29 17:03:53 1993

82/112 22-APR 1015:00 - 1815:00 HEAD= RL RPA= 0 to 1000 BIAS= A



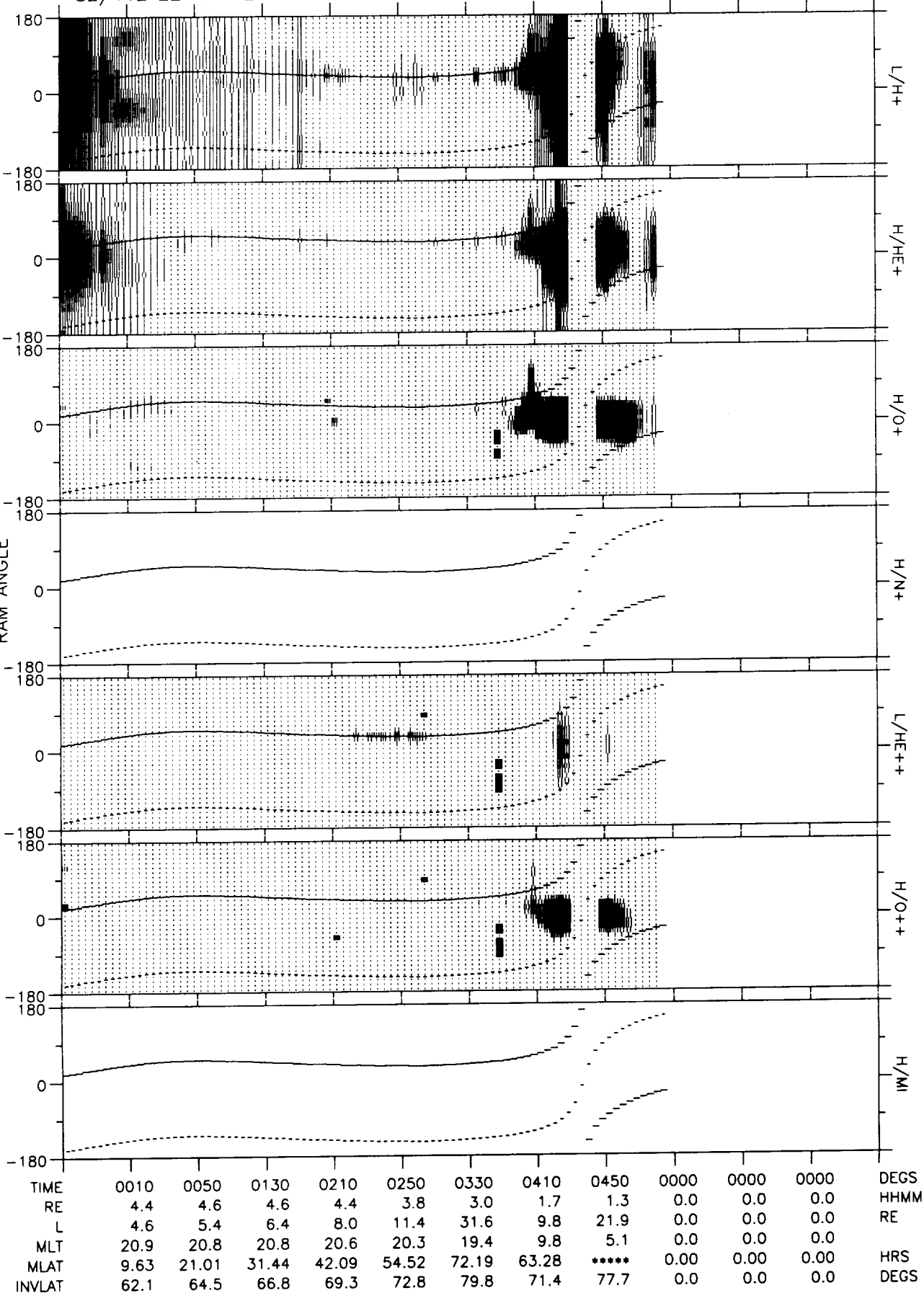
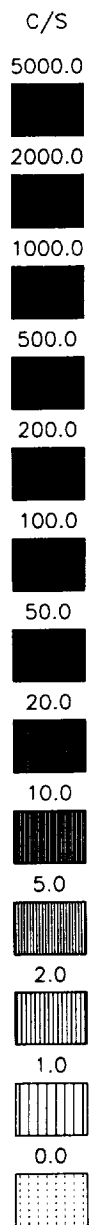
DE RIMS SPIN SUMMARY
SPIN/DUAL/JALL (V1.0)
Wed Sep 28 17:06:36 1993

82/112 22-APR 1630:00 - 0030:00 HEAD= RL RPA= 0 to 1000 BIAS= A



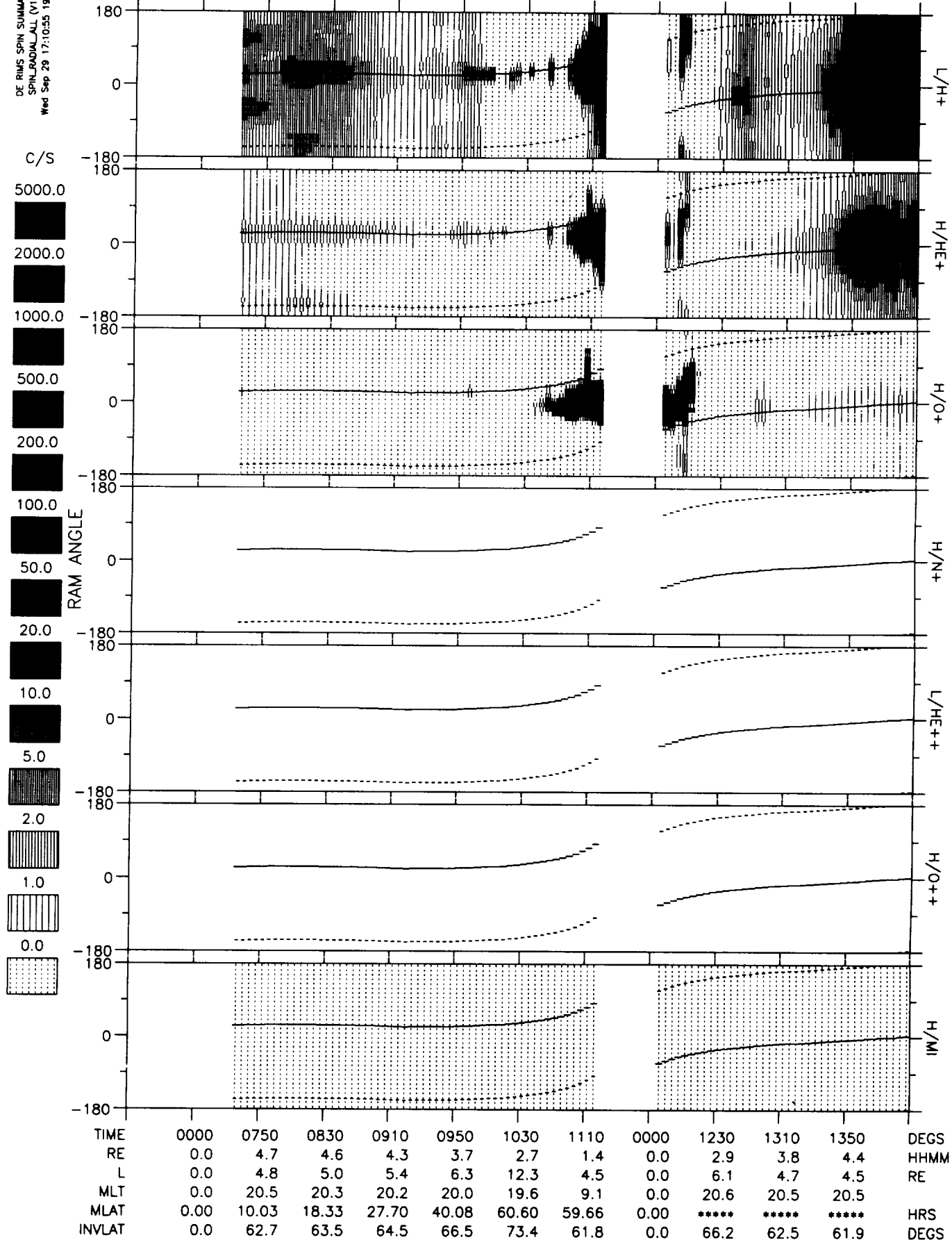
DE RIMS SPIN SUMMARY
SPIN_RADIALALL (V1.0)
Wed Sep 29 17:08:46 1993

82/112 22-APR 2330:00 - 0730:00 HEAD= RL RPA= 0 to 1000 BIAS= A



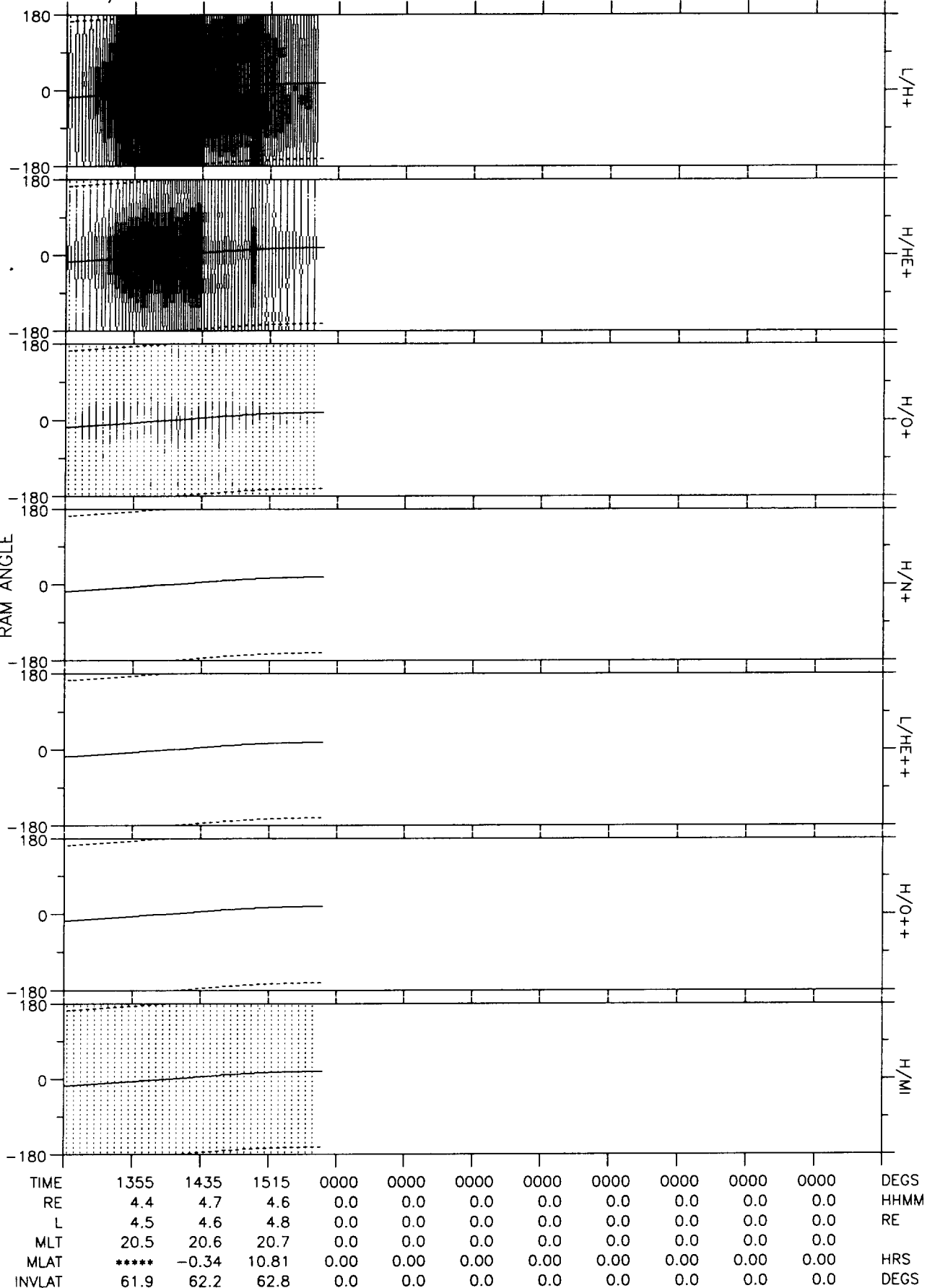
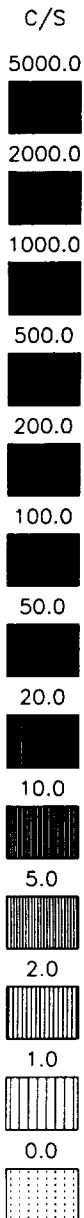
DE RIMS SPIN SUMMARY
SPIN-RADIAL-ALL (V1.0)
Wed Sep 29 17:10:55 1993

82/113 23-APR 0630:00 - 1430:00 HEAD= RL RPA= 0 to 1000 BIAS= A



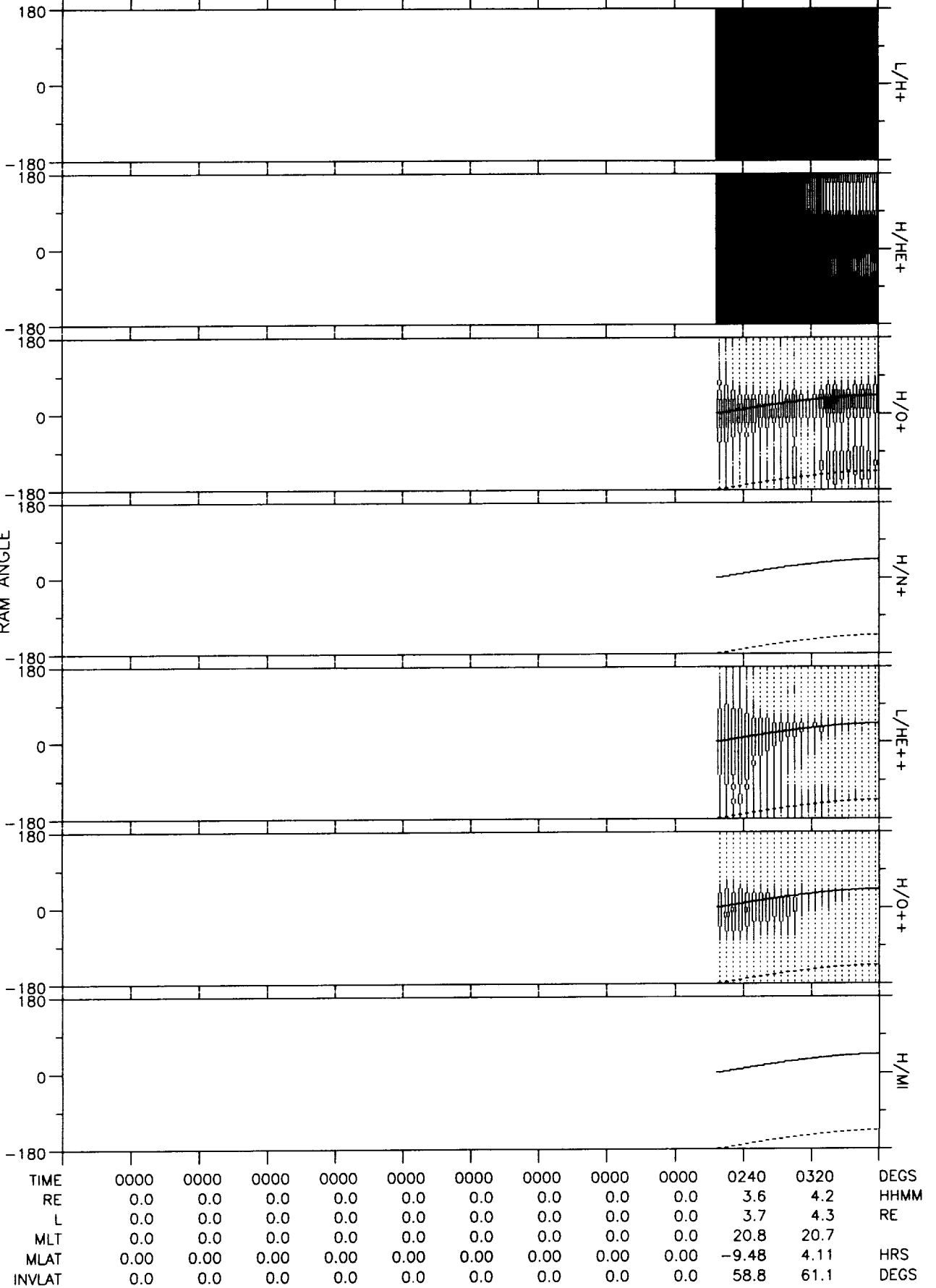
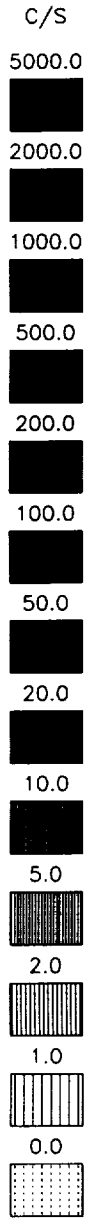
DE RIMS SPIN SUMMARY
SPIN_RADIALALL (V1.0)
Wed Sep 29 17:13:00 1993

82/113 23-APR 1315:00 - 2115:00 HEAD= RL RPA= 0 to 1000 BIAS= A



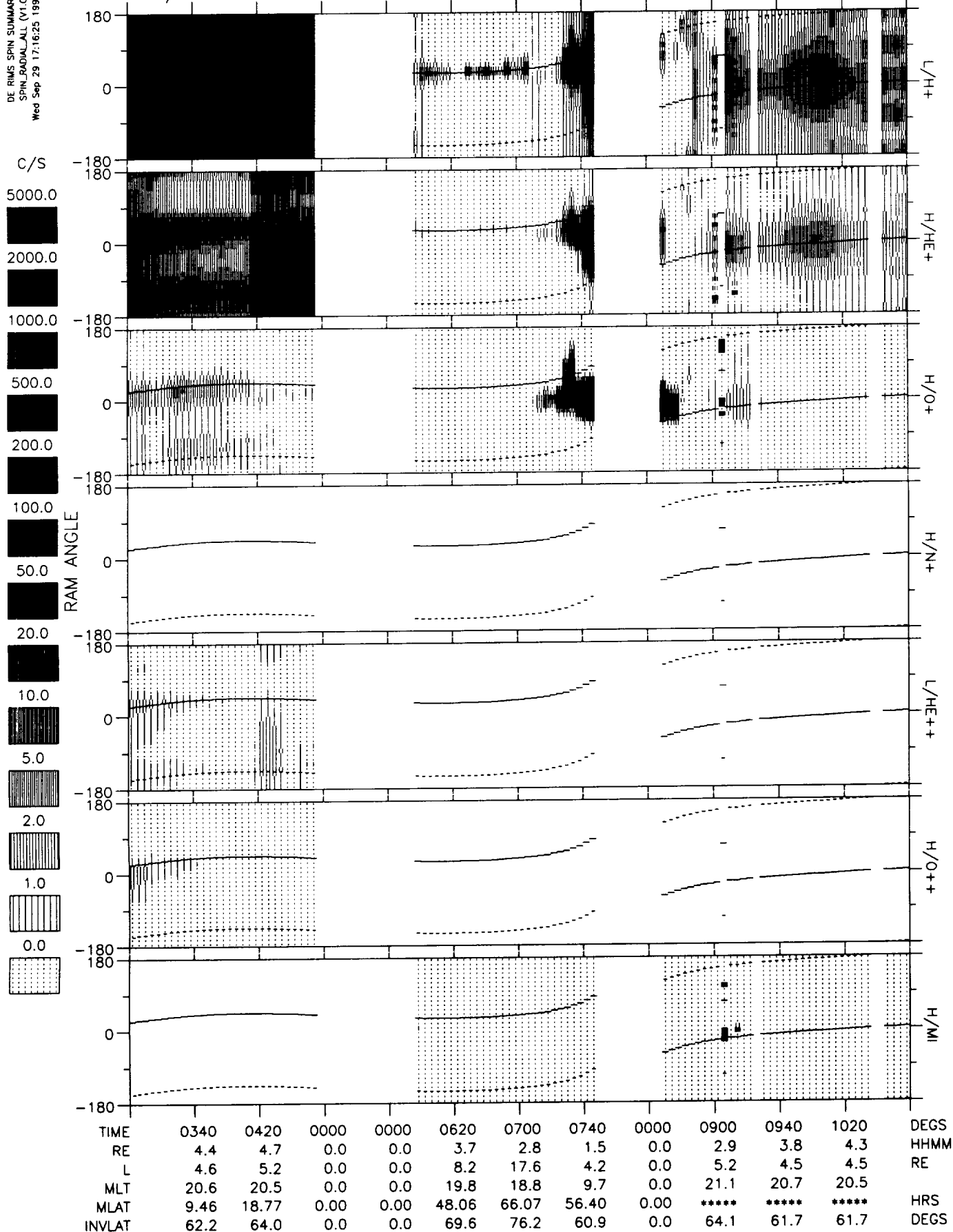
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Wed Sep 29 17:14:37 1993

82/113 23-APR 2000:00 - 0400:00 HEAD= RL RPA= 0 to 1000 BIAS= A



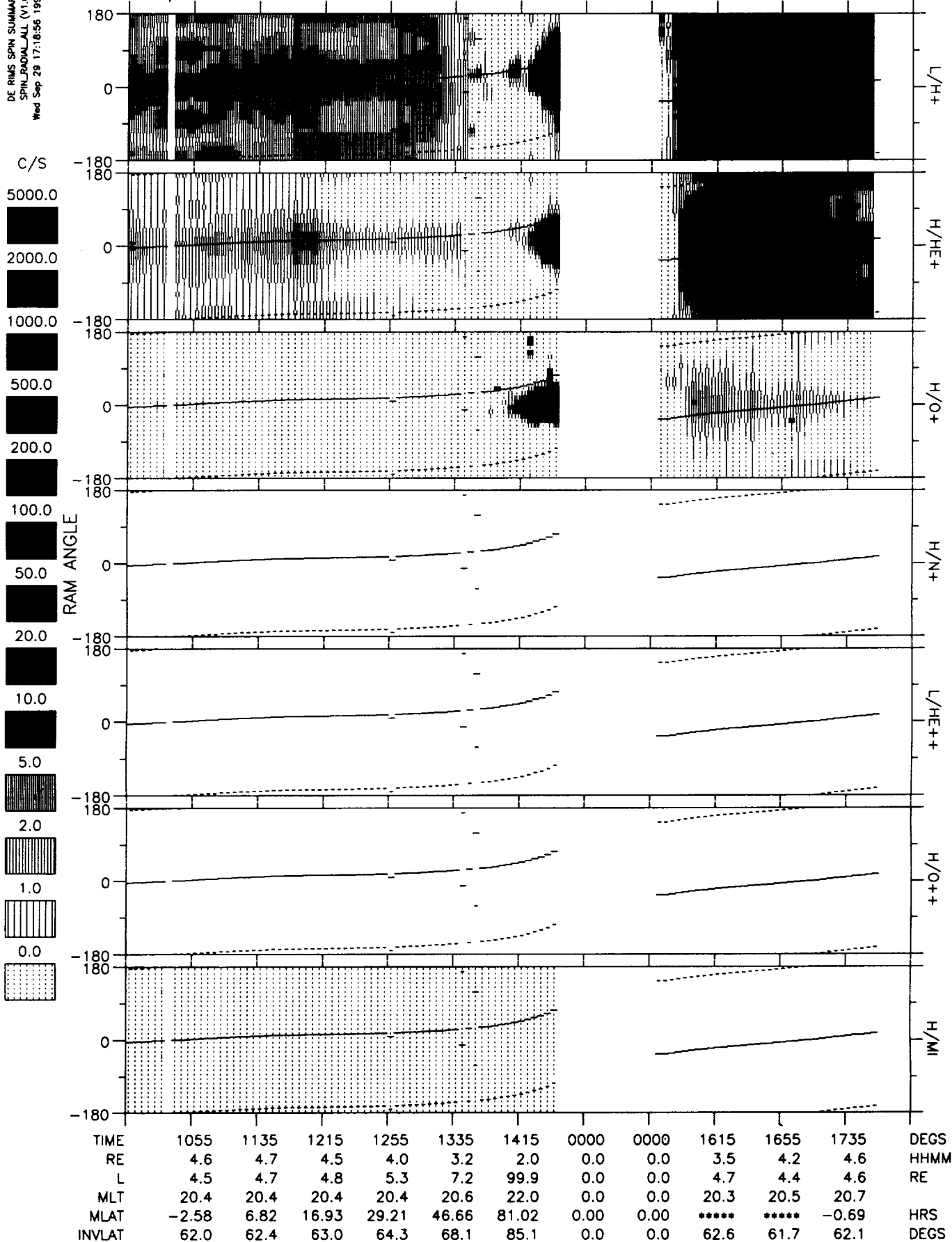
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Wed Sep 29 17:16:25 1993

82/114 24-APR 0300:00 - 1100:00 HEAD= RL RPA= 0 to 1000 BIAS= A



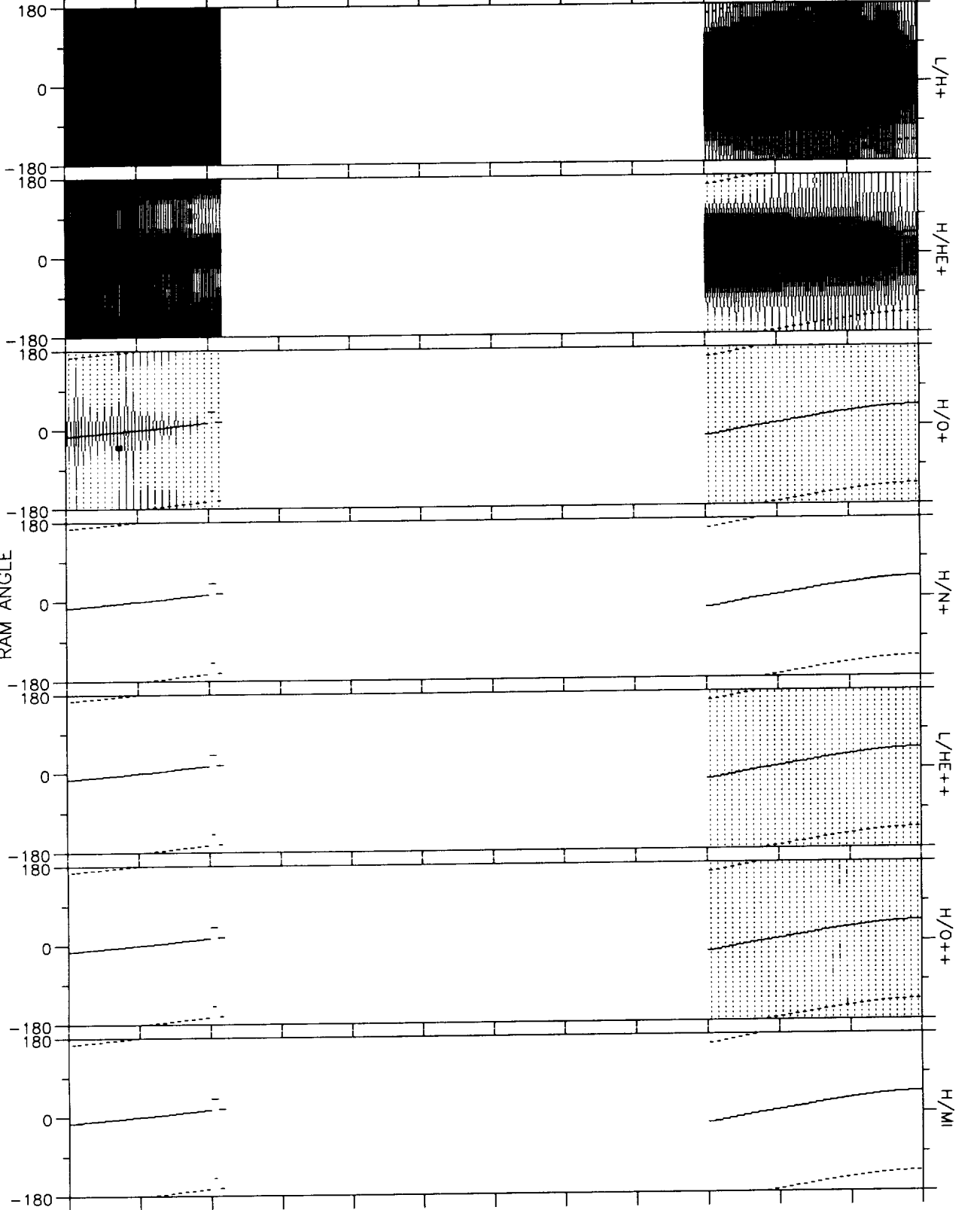
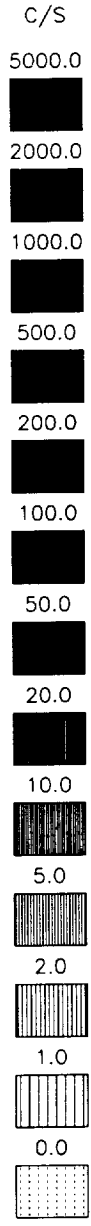
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Wed Sep 29 17:18:56 1993

82/114 24-APR 1015:00 - 1815:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN-RADIAL ALL (V1.0)
Wed Sep 29 17:21:30 1993

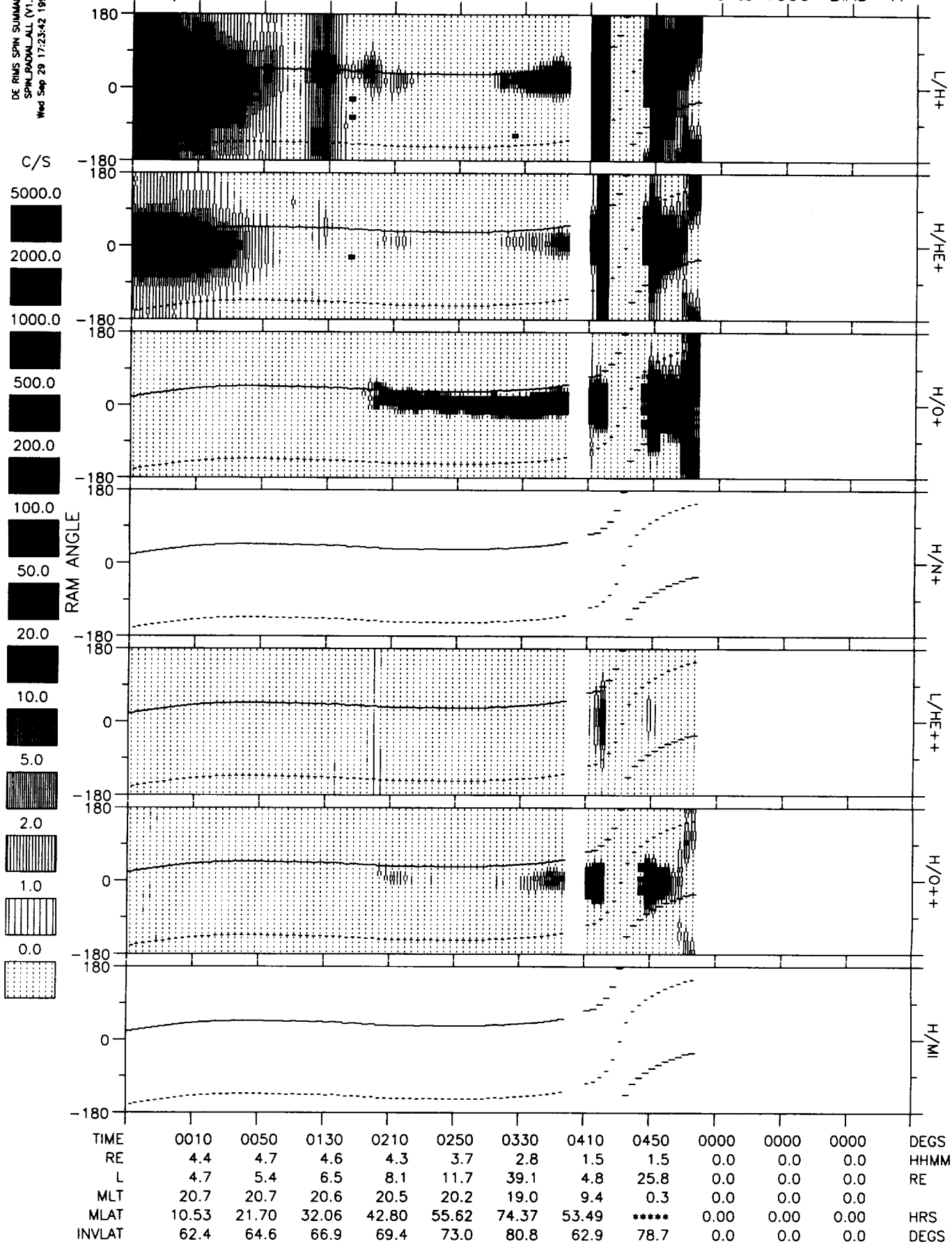
82/114 24-APR 1630:00 - 0030:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	1710	1750	0000	0000	0000	0000	0000	0000	2230	2310	2350	DEGS
RE	4.3	4.6	0.0	0.0	0.0	0.0	0.0	0.0	2.5	3.6	4.2	HHMM
L	4.5	4.7	0.0	0.0	0.0	0.0	0.0	0.0	4.1	3.8	4.3	RE
MLT	20.6	20.8	0.0	0.0	0.0	0.0	0.0	0.0	20.4	20.6	20.7	HRS
MLAT	-8.76	3.94	0.00	0.00	0.00	0.00	0.00	0.00	*****	*****	4.23	DEGS
INVLAT	61.7	62.4	0.0	0.0	0.0	0.0	0.0	0.0	60.3	59.2	61.2	

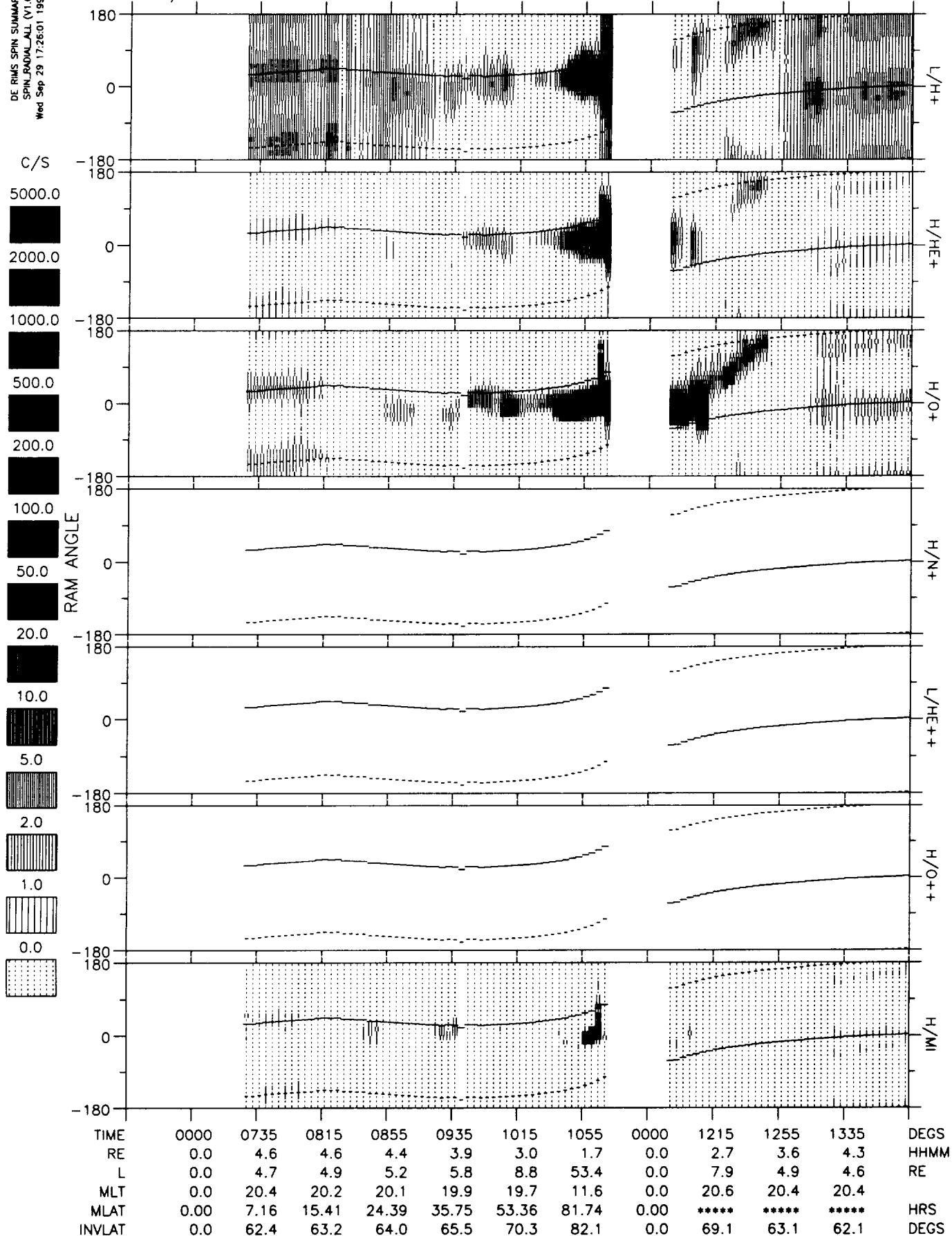
DE RUS SPIN SUMMARY
SPIN/DUAL/JUL (V1.0)
Wed Sep 28 17:23:42 1993

82/114 24-APR 2330:00 - 0730:00 HEAD= RL RPA= 0 to 1000 BIAS= A



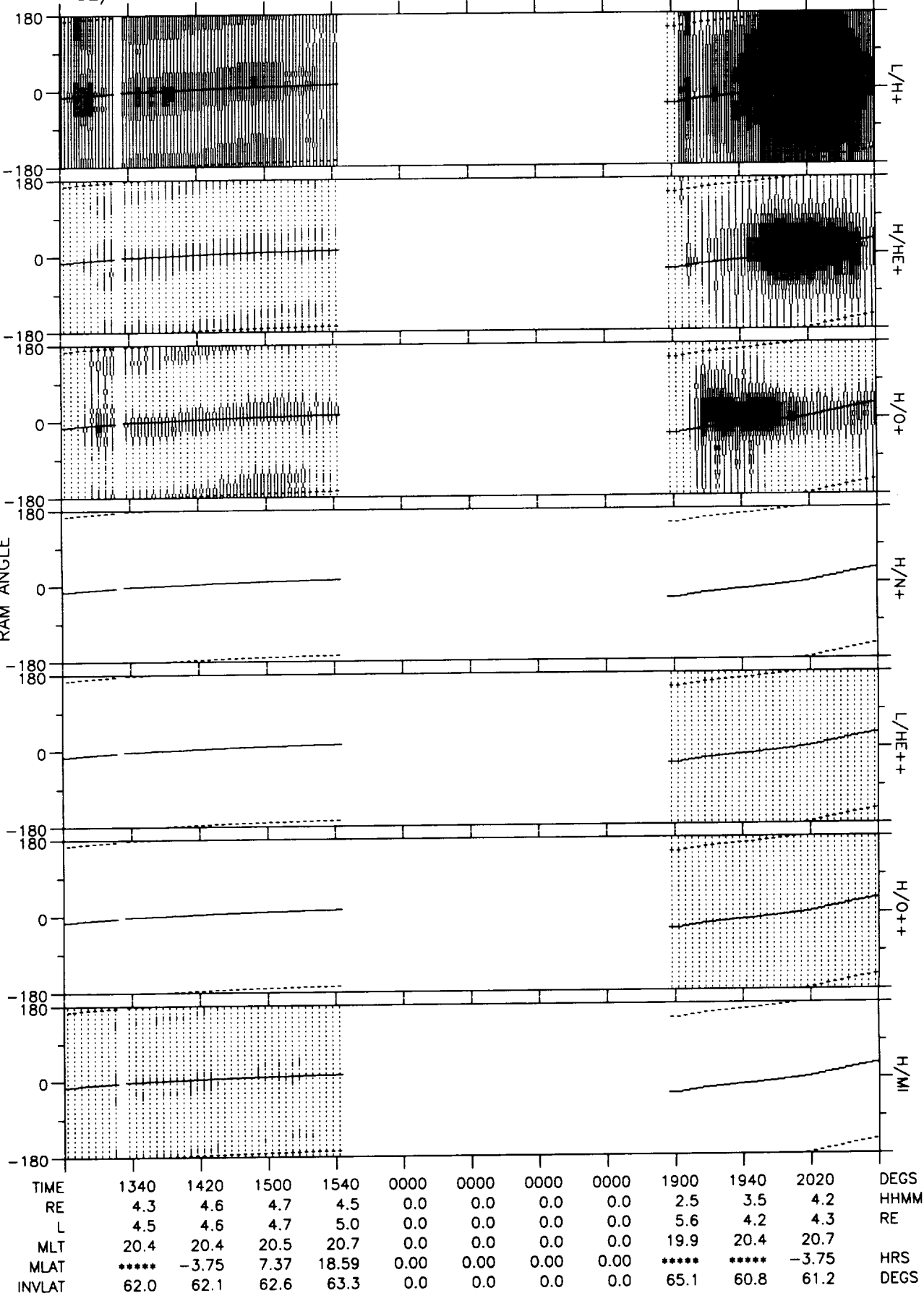
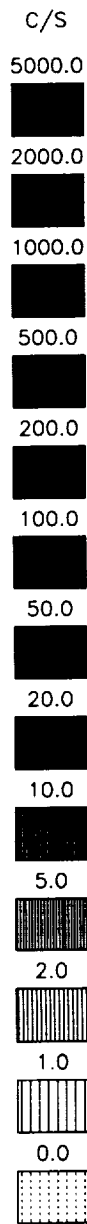
DE RIMS SPIN SUMMARY
SPIN_RADIAL.JLL (V1.0)
Wed Sep 29 17:26:01 1993

82/115 25-APR 0615:00 - 1415:00 HEAD= RL RPA= 0 to 1000 BIAS= A



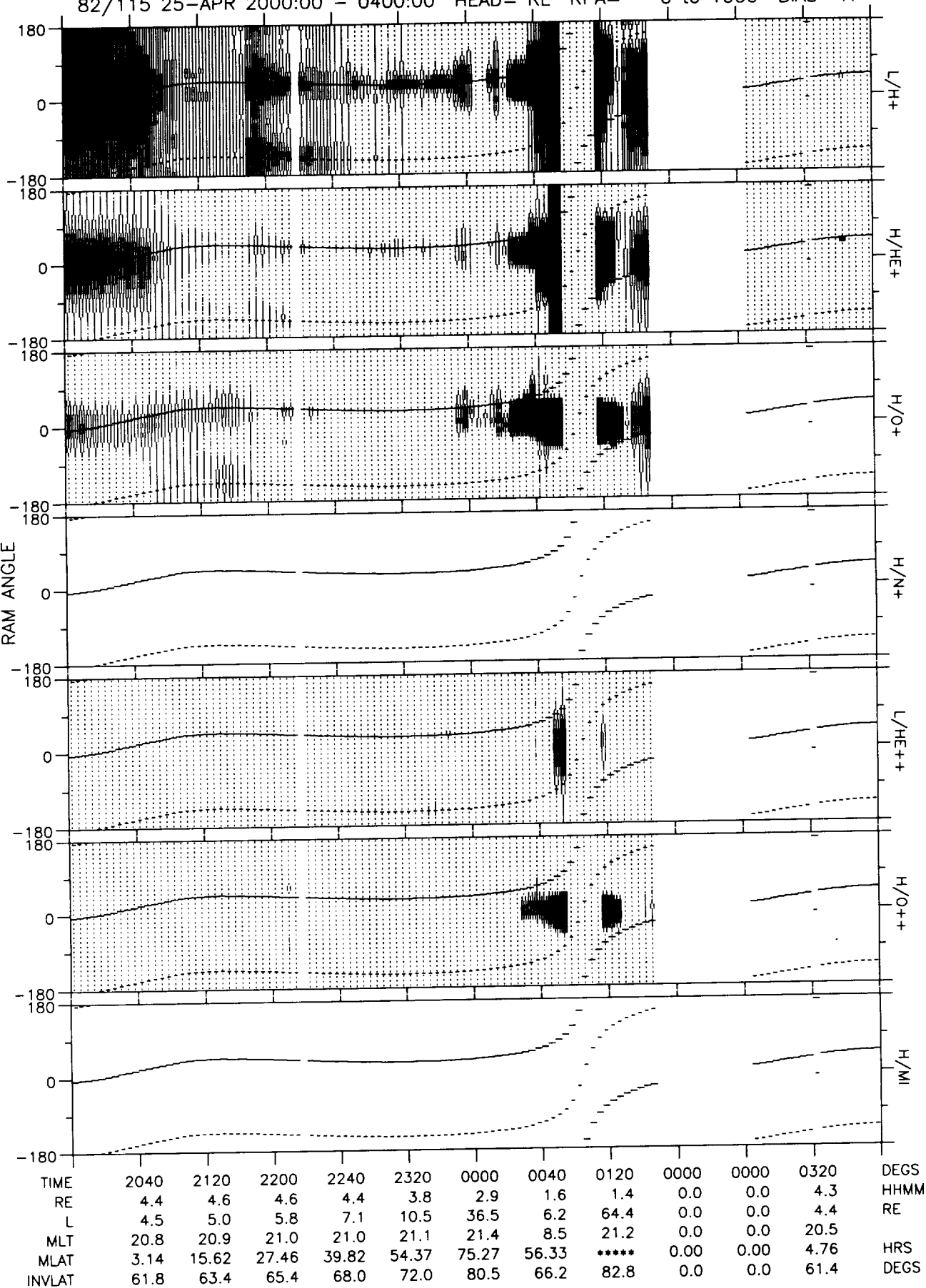
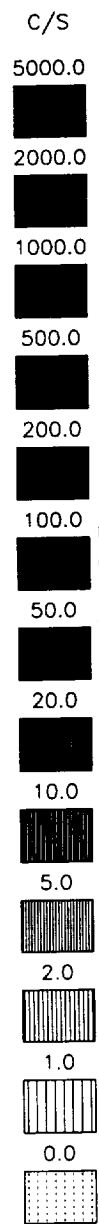
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Wed Sep 29 17:28:03 1993

82/115 25-APR 1300:00 - 2100:00 HEAD= RL RPA= 0 to 1000 BIAS= A



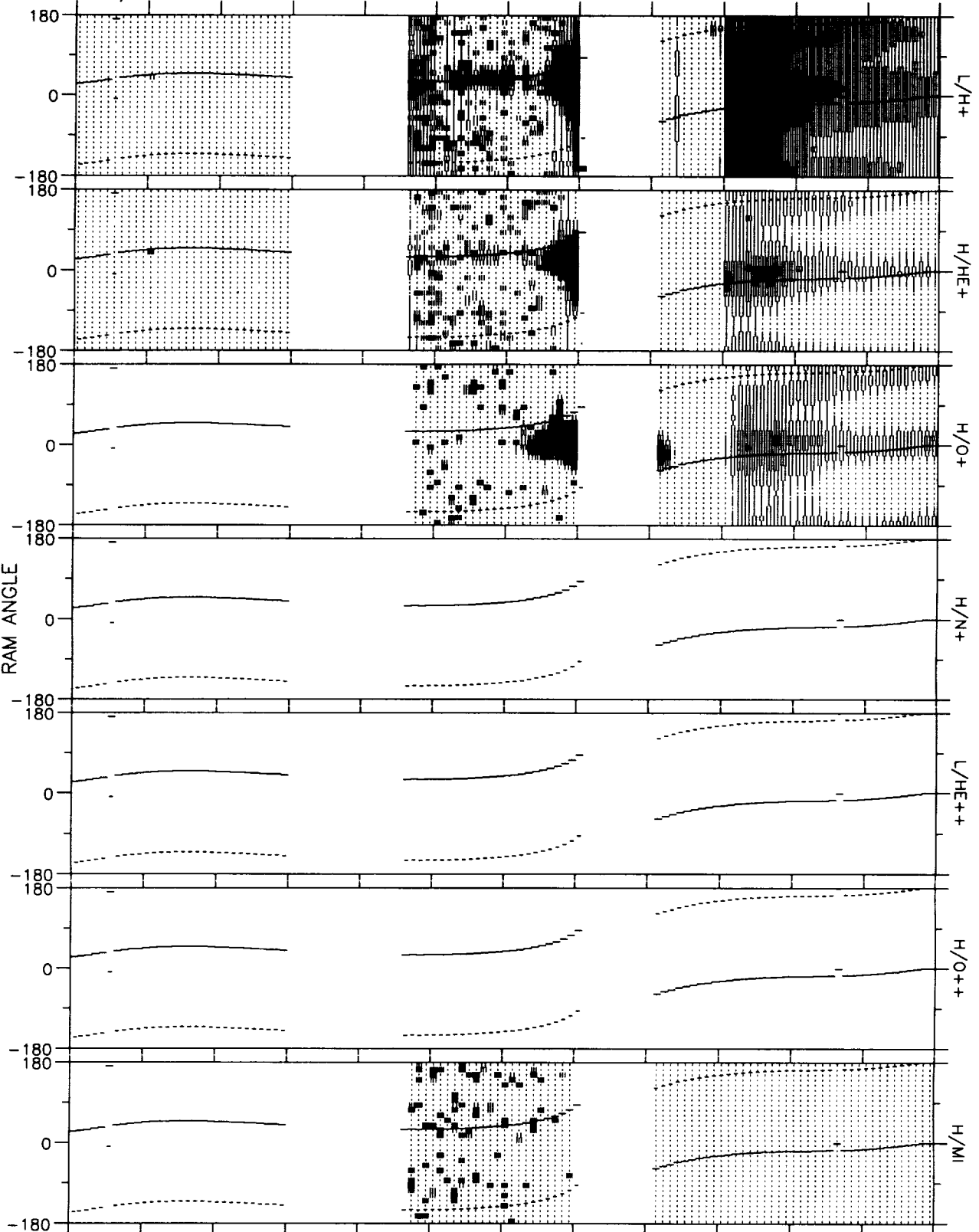
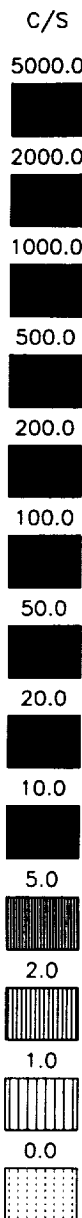
DE RIMS SPIN SUMMARY
SPINRADIAL_ALL (V1.0)
Wed Sep 29 17:29:58 1993

82/115 25-APR 2000:00 - 0400:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPINRADIAL.ALL (V1.0)
Wed Sep 28 17:32:14 1993

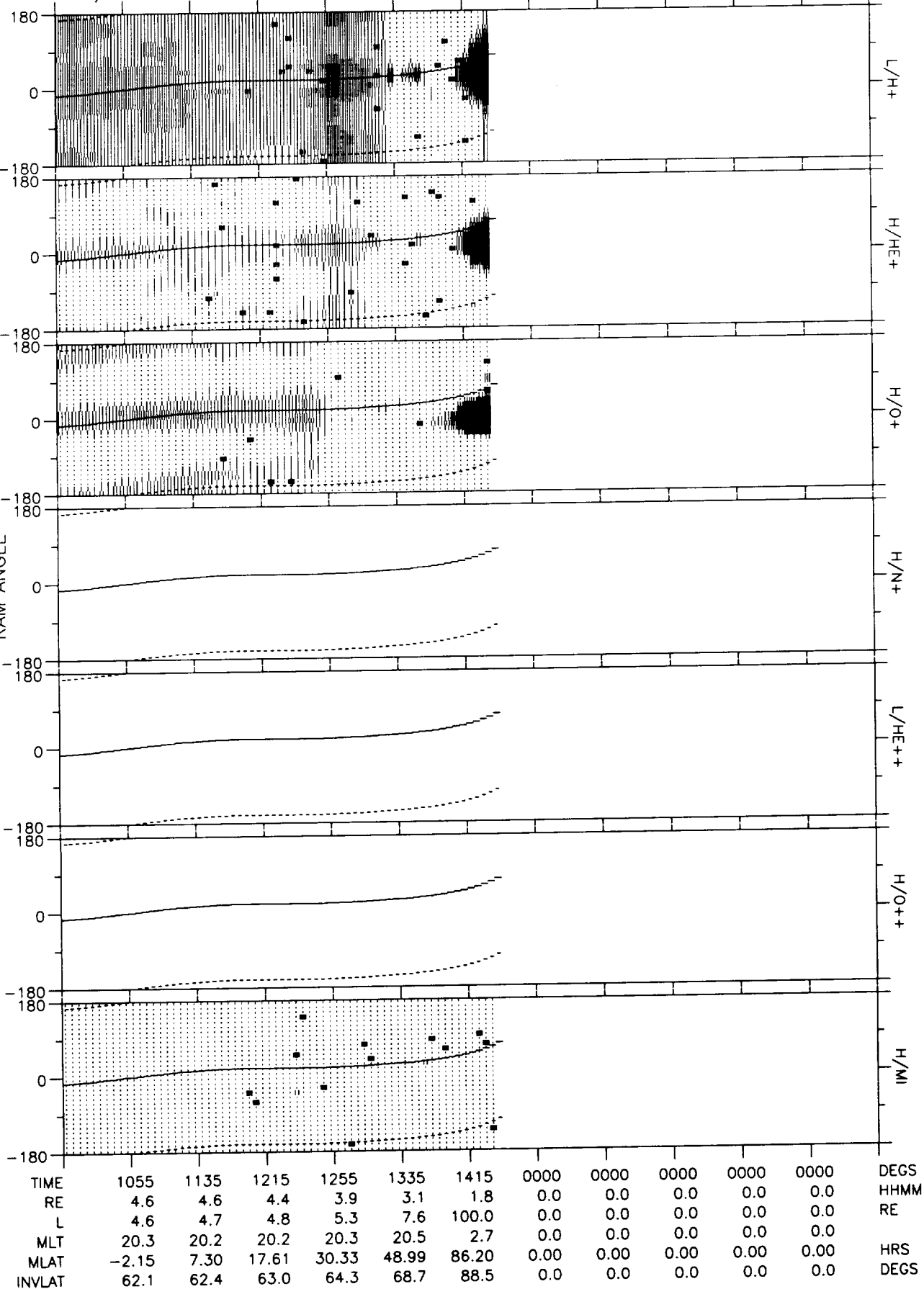
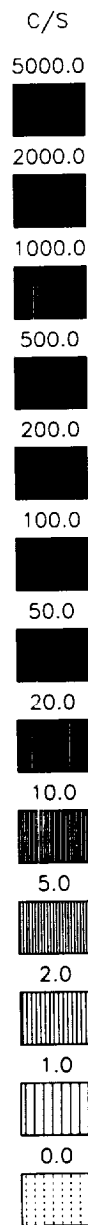
82/116 26-APR 0300:00 - 1100:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0340	0420	0000	0000	0620	0700	0740	0000	0900	0940	1020	DEGS
RE	4.5	4.7	0.0	0.0	3.6	2.6	1.4	0.0	3.0	3.9	4.4	HHMM
L	4.7	5.2	0.0	0.0	8.3	20.9	3.8	0.0	5.1	4.5	4.5	RE
MLT	20.5	20.4	0.0	0.0	19.6	18.4	9.5	0.0	20.9	20.5	20.4	
MLAT	9.95	19.08	0.00	0.00	49.01	68.44	54.80	0.00	****	****	****	HRS
INVLAT	62.4	64.0	0.0	0.0	69.7	77.4	59.1	0.0	63.8	61.8	61.8	DEGS

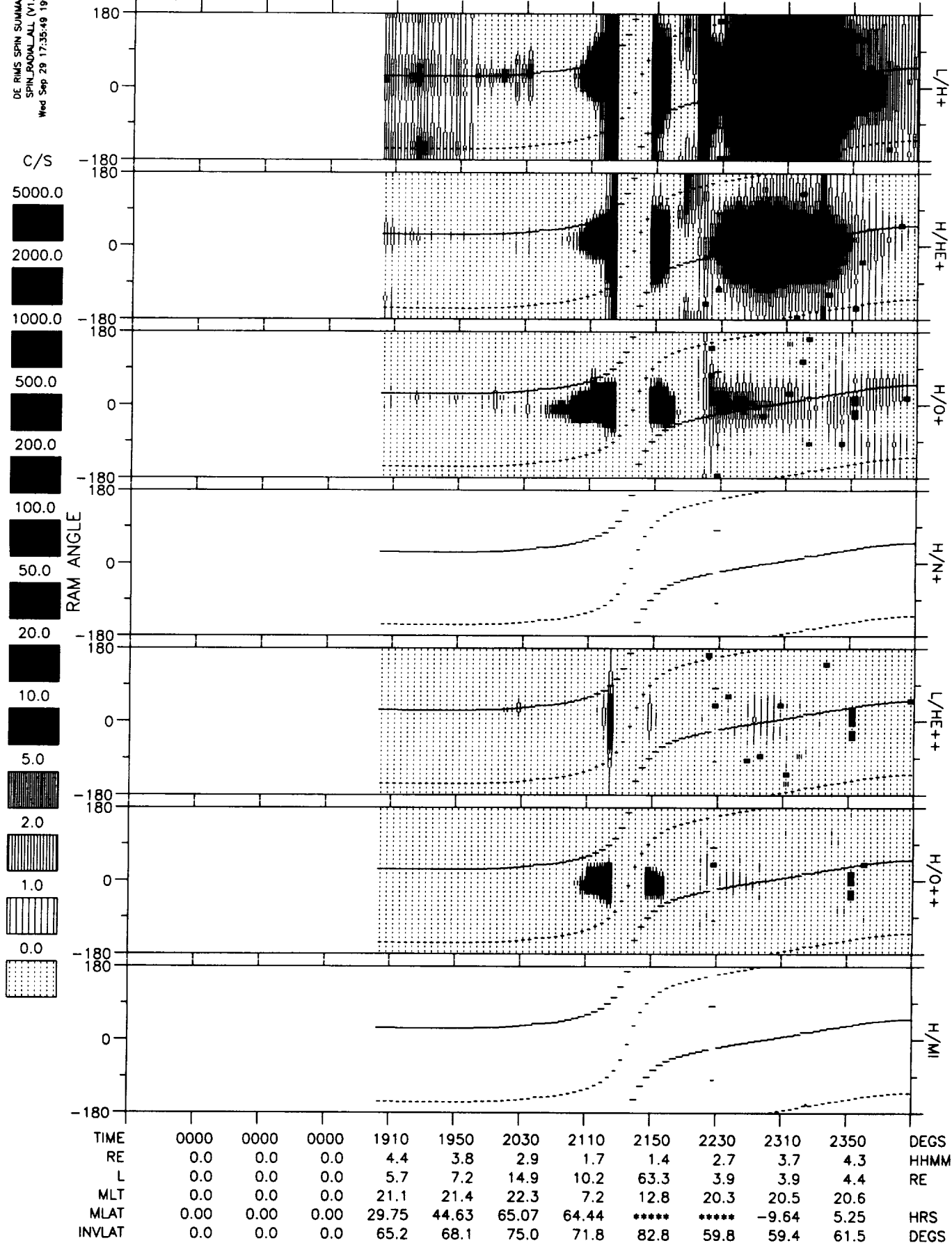
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Wed Sep 29 17:34:08 1993

82/116 26-APR 1015:00 - 1815:00 HEAD= RL RPA= 0 to 1000 BIAS= A



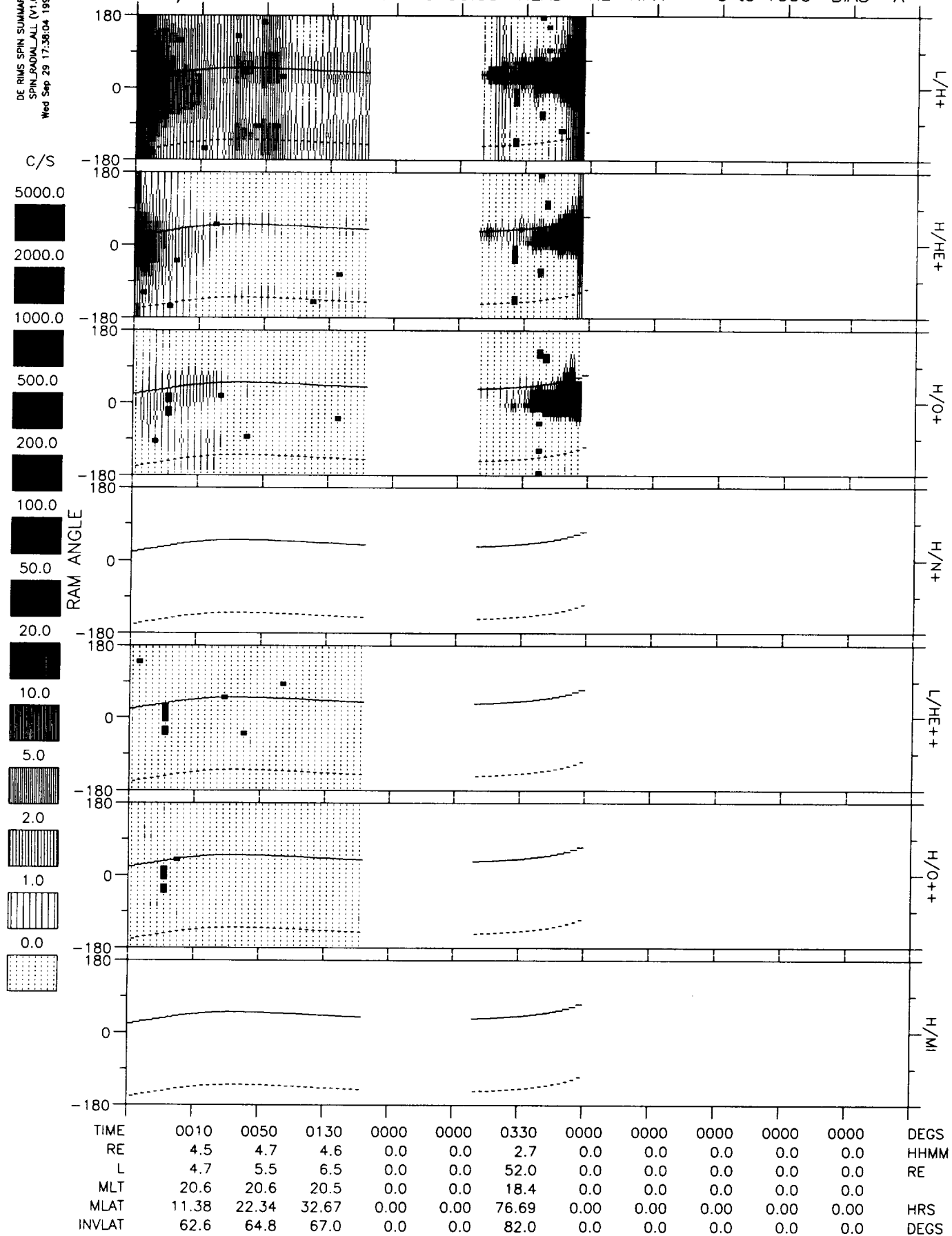
DE RIMS SPIN SUMMARY
SPINRADIALALL (V1.0)
Wed Sep 29 17:35:49 1993

82/116 26-APR 1630:00 - 0030:00 HEAD= RL RPA= 0 to 1000 BIAS= A



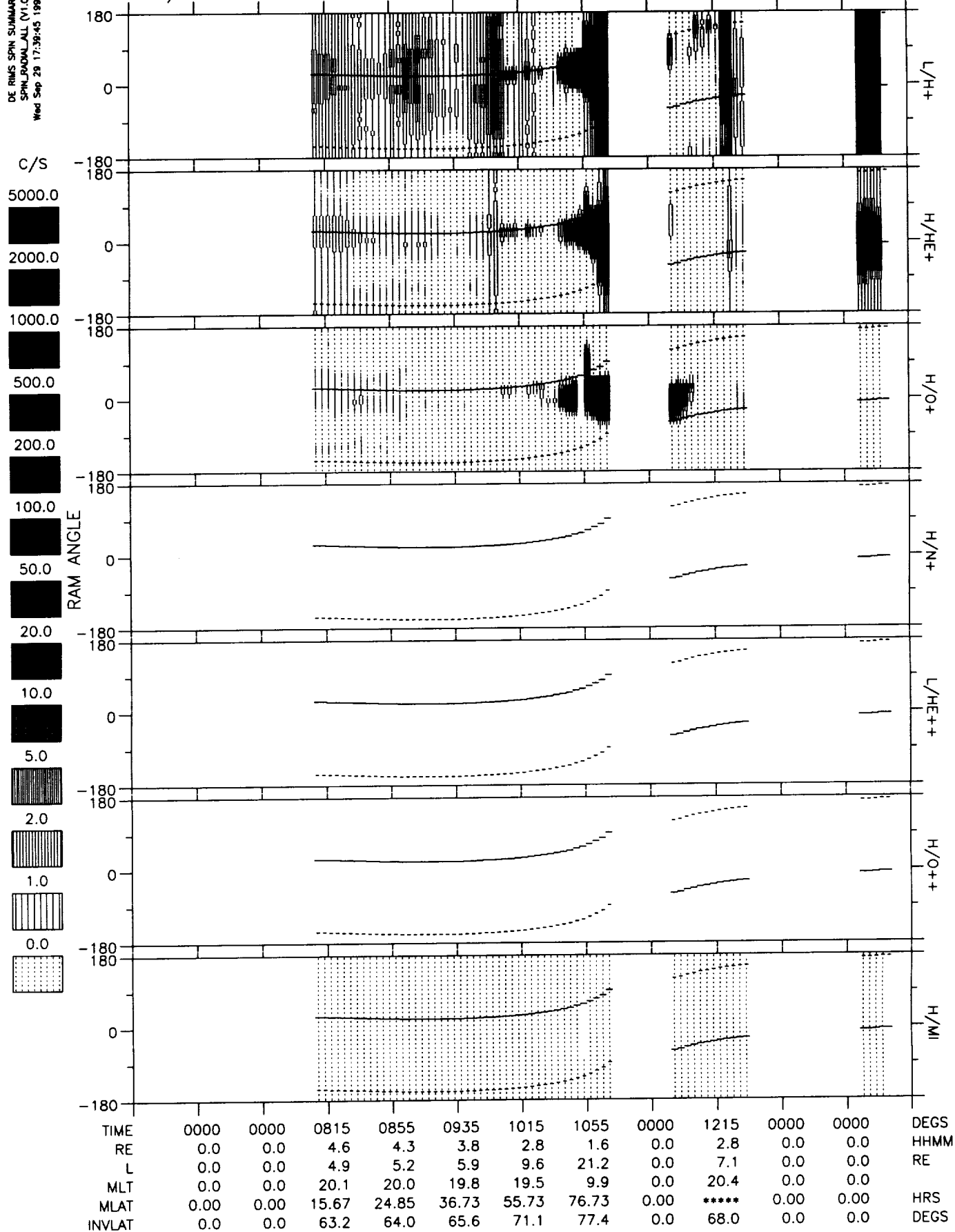
DE RIMS SPIN SUMMARY
SPINRADIALALL (V1.0)
Wed Sep 29 17:38:04 1993

82/116 26-APR 2330:00 - 0730:00 HEAD= RL RPA= 0 to 1000 BIAS= A



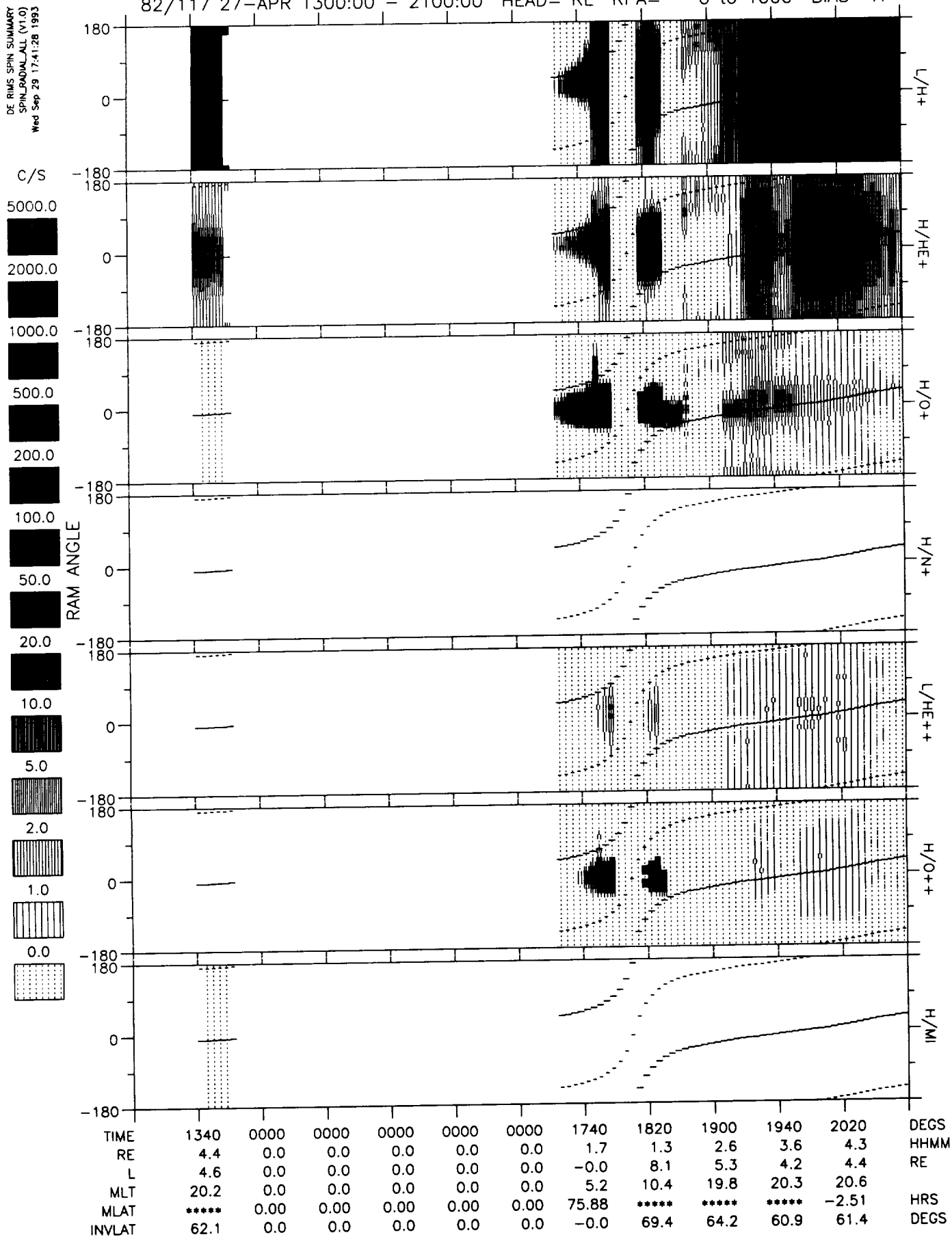
DE RUS SPIN SUMMARY
SPIN BACKLALL (V1.0)
Wed Sep 28 17:39:45 1995

82/117 27-APR 0615:00 - 1415:00 HEAD= RL RPA= 0 to 1000 BIAS= A



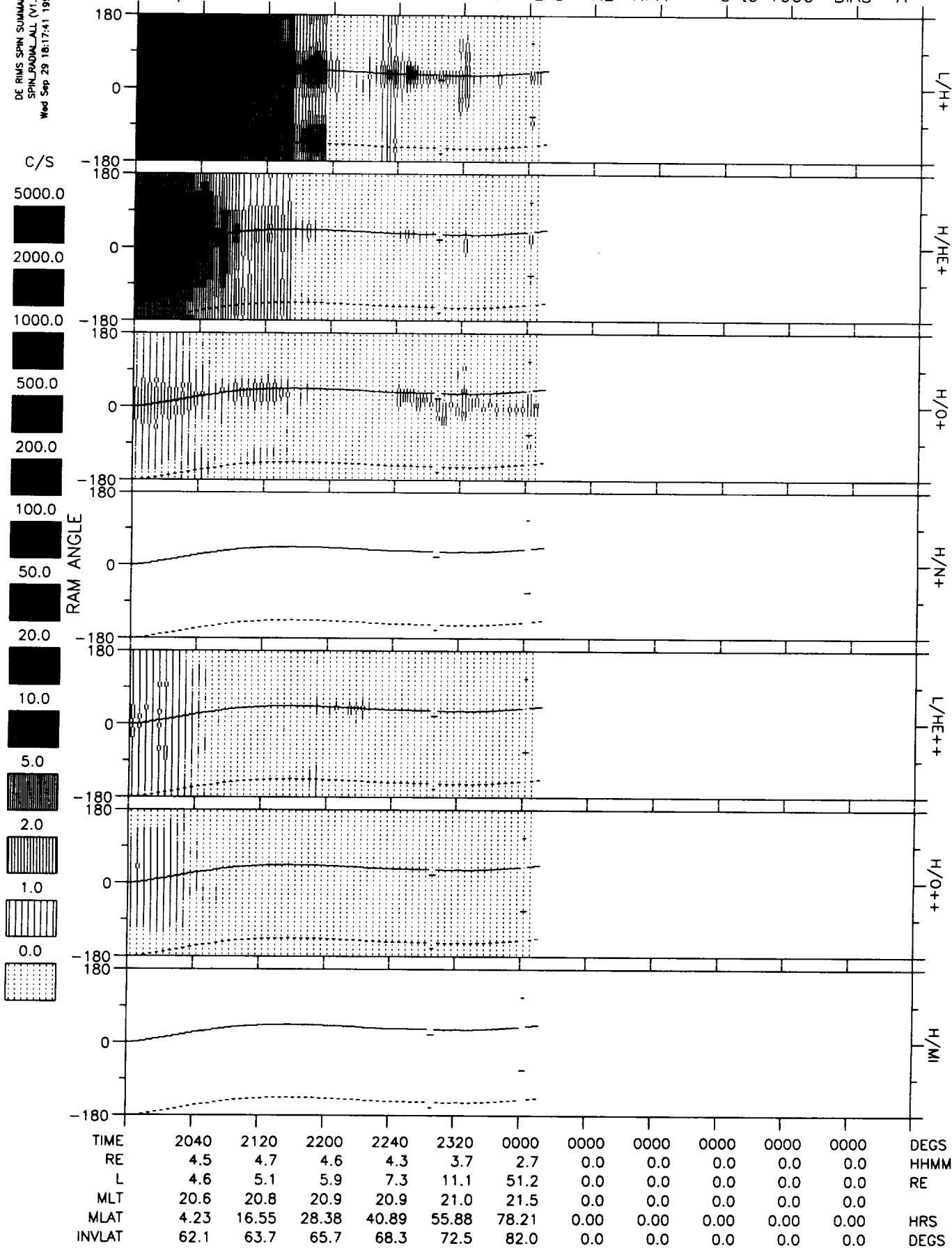
DE RIMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Wed Sep 29 17:41:28 1993

82/117 27-APR 1300:00 - 2100:00 HEAD= RL RPA= 0 to 1000 BIAS= A



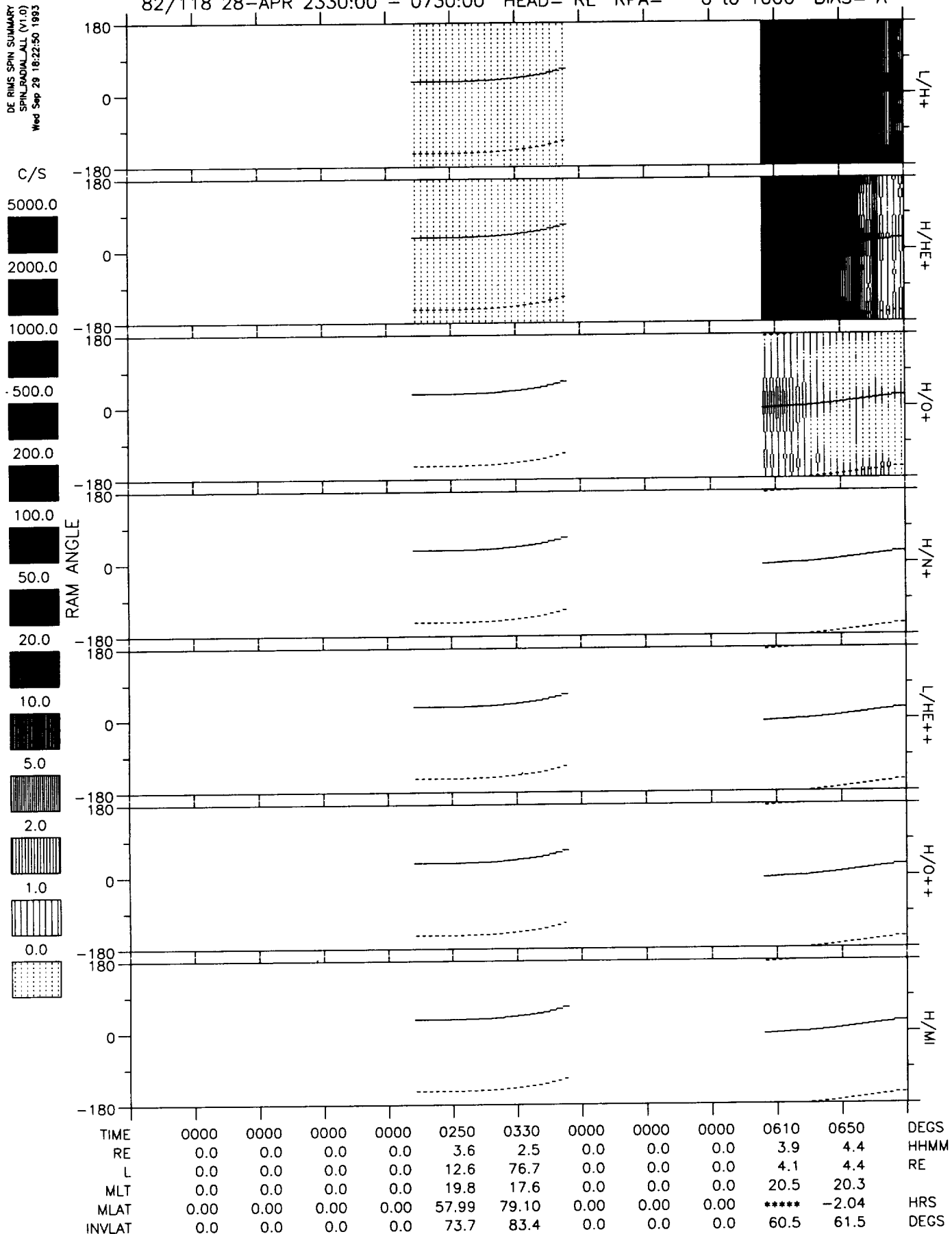
DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Wed Sep 29 18:17:41 1993

82/117 27-APR 2000:00 - 0400:00 HEAD= RL RPA= 0 to 1000 BIAS= A



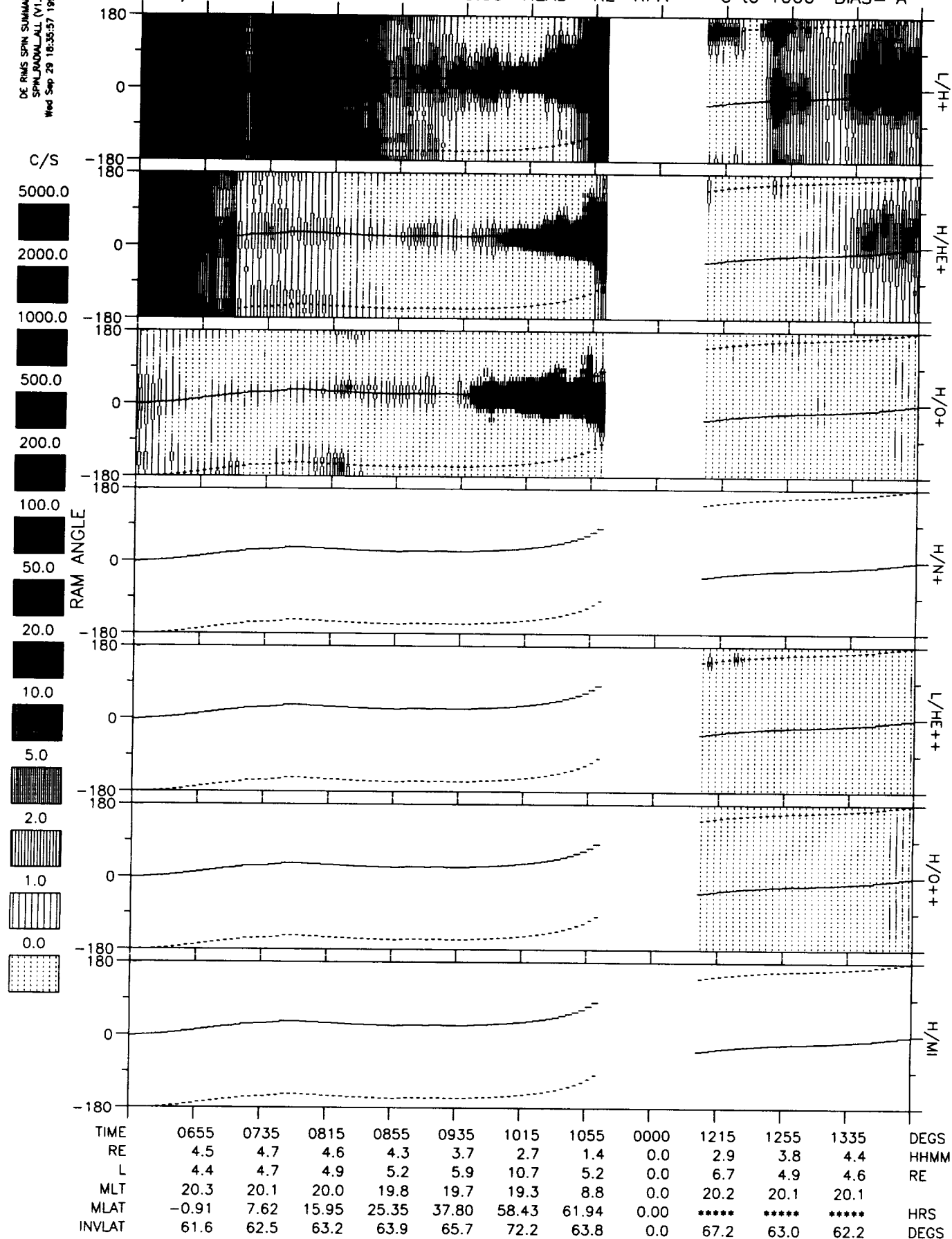
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Wed Sep 29 18:22:50 1993

82/118 28-APR 2330:00 - 0730:00 HEAD= RL RPA= 0 to 1000 BIAS= A



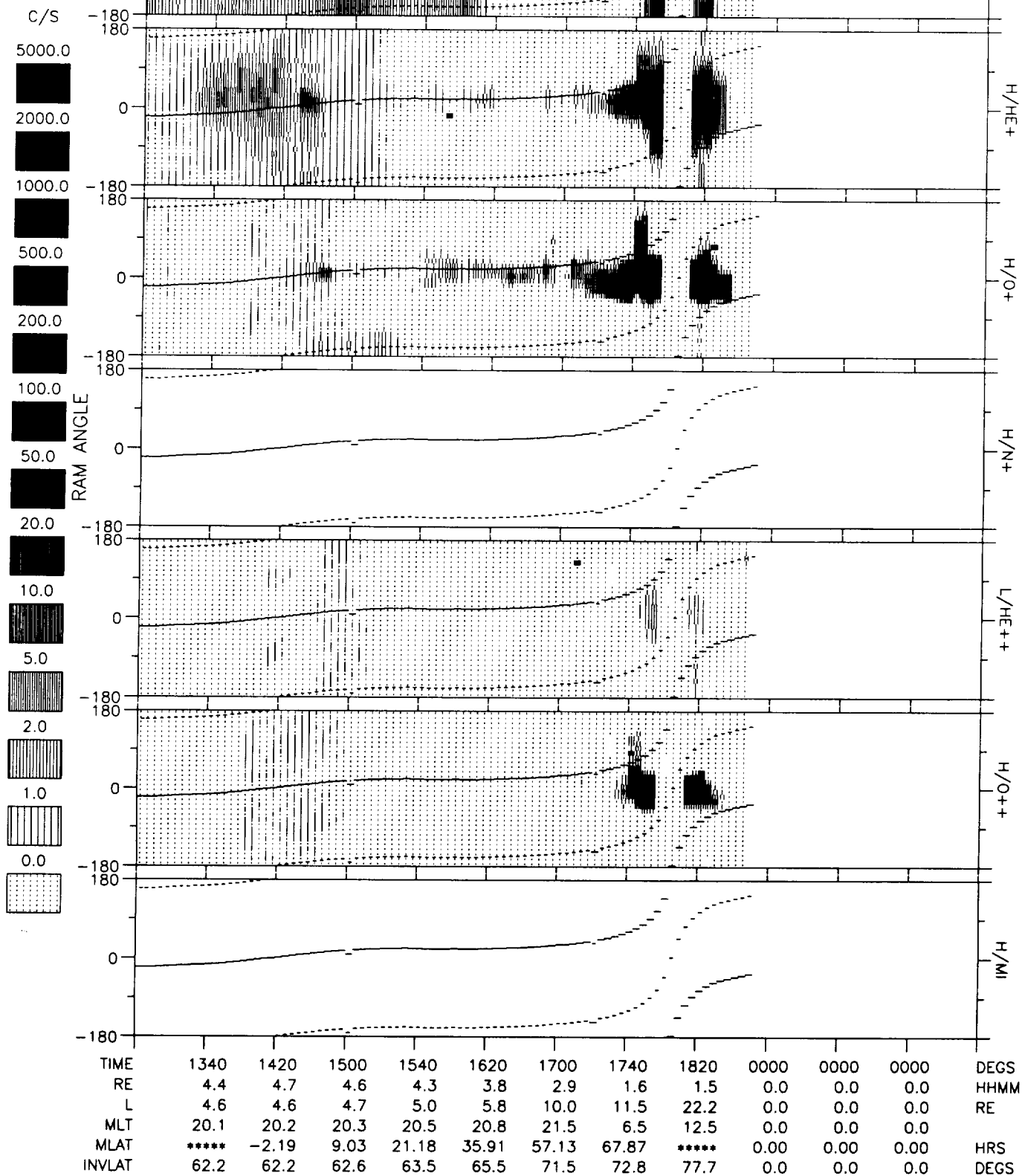
DE RMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Wed Sep 29 10:35:57 1993

82/119 29-APR 0615:00 - 1415:00 HEAD= RL RPA= 0 to 1000 BIAS= A



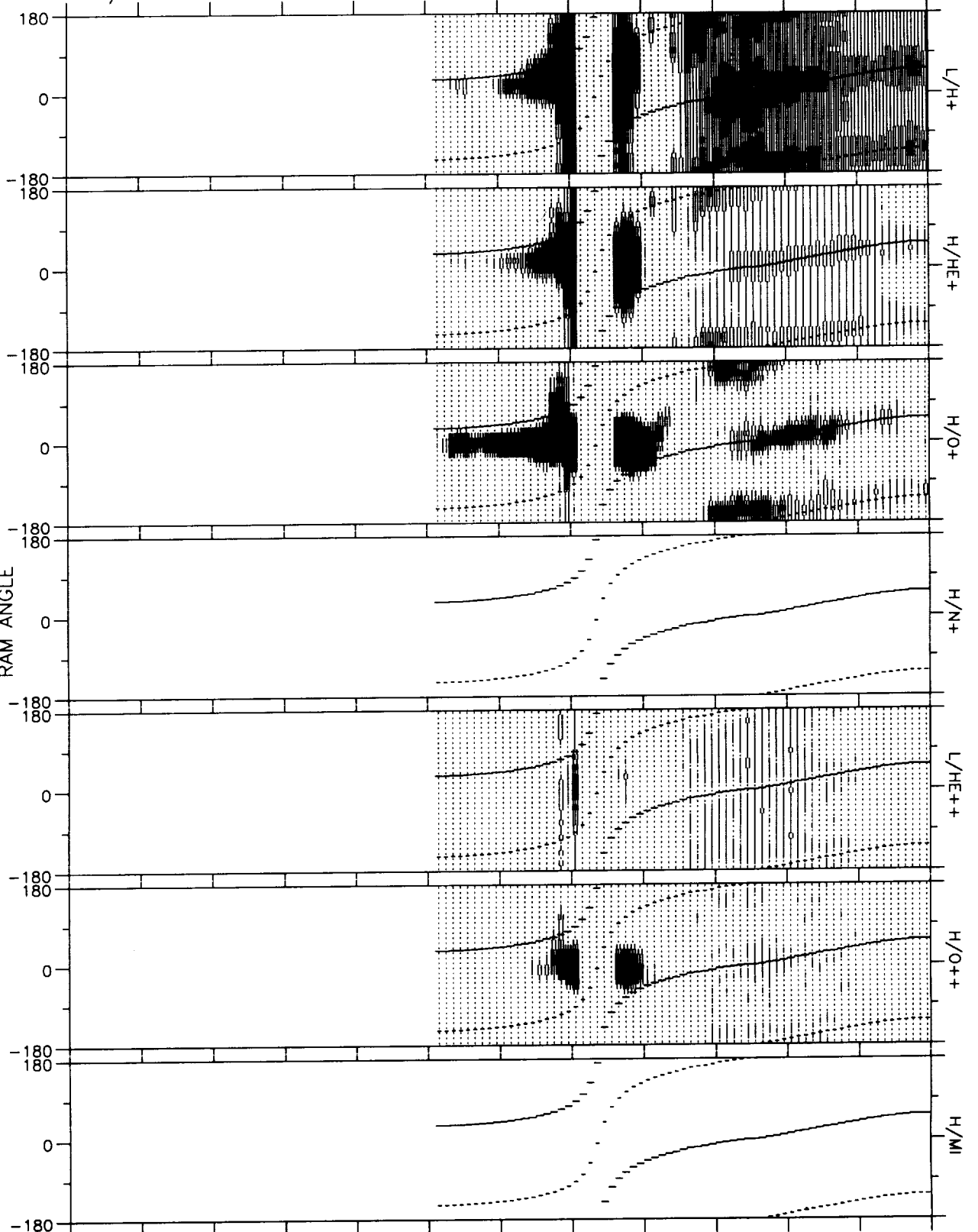
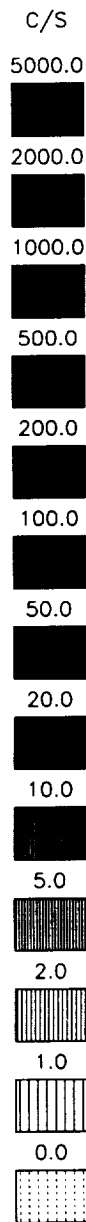
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Wed Sep 29 19:01:25 1993

82/119 29-APR 1300:00 - 2100:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPINRADIALALL (V1.0)
Wed Sep 29 19:03:57 1993

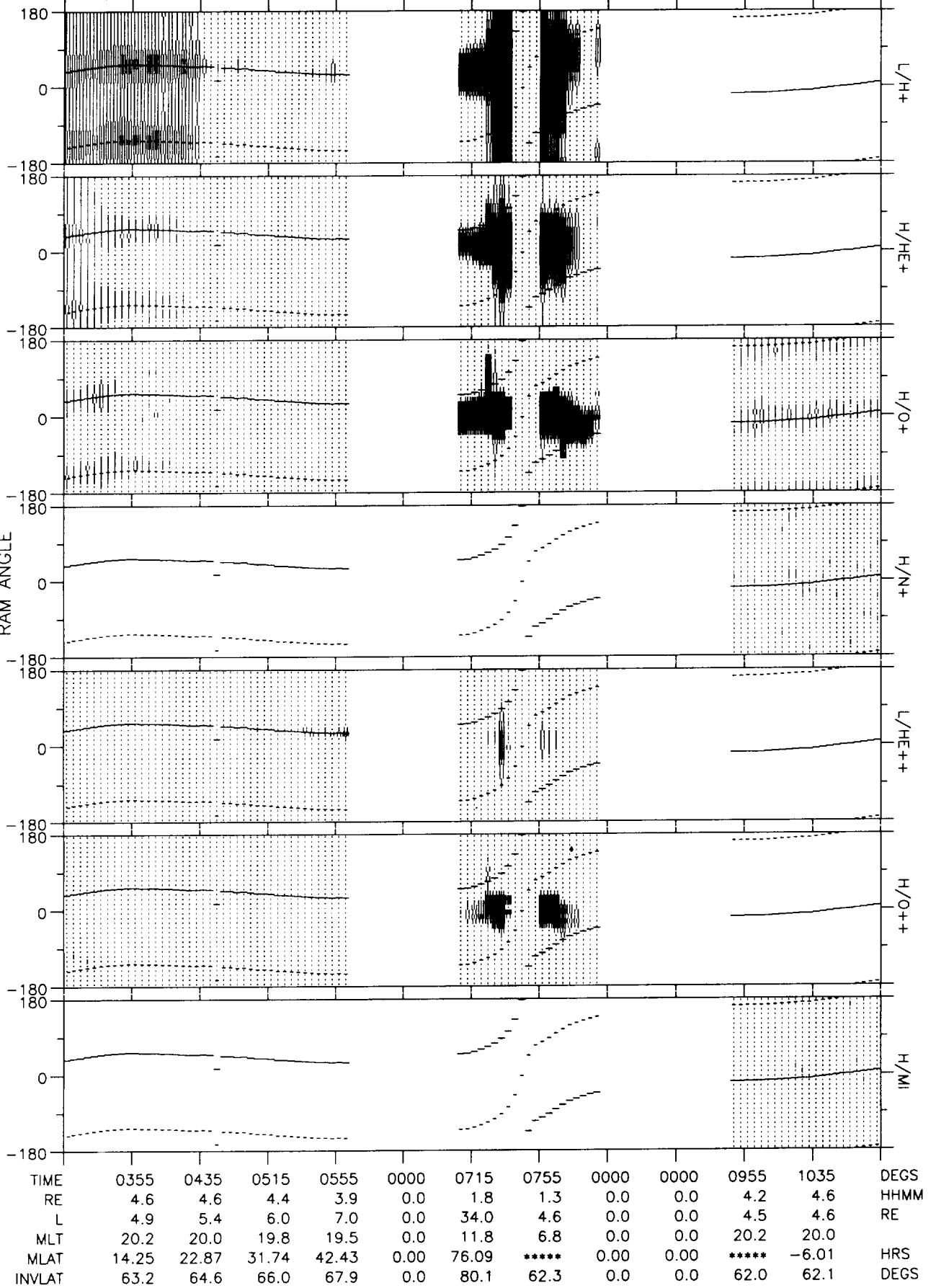
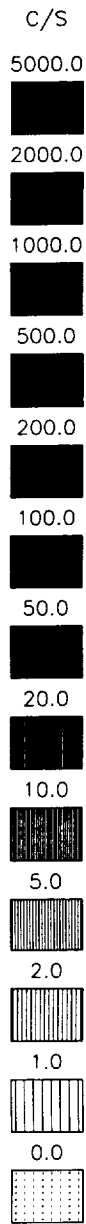
82/119 29-APR 2000:00 - 0400:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0000	0000	0000	0000	0000	0000	0040	0120	0200	0240	0320	DEGS
RE	0.0	0.0	0.0	0.0	0.0	2.6	1.3	1.8	3.0	3.9	4.4	HHMM
L	0.0	0.0	0.0	0.0	0.0	84.3	1.8	8.4	3.6	3.9	4.5	RE
MLT	0.0	0.0	0.0	0.0	0.0	21.5	8.4	20.6	20.5	20.4	20.3	
MLAT	0.00	0.00	0.00	0.00	0.00	81.65	29.85	*****	*****	-5.98	5.91	HRS
INVLAT	0.0	0.0	0.0	0.0	0.0	83.8	41.2	69.8	58.3	59.8	61.8	DEGS

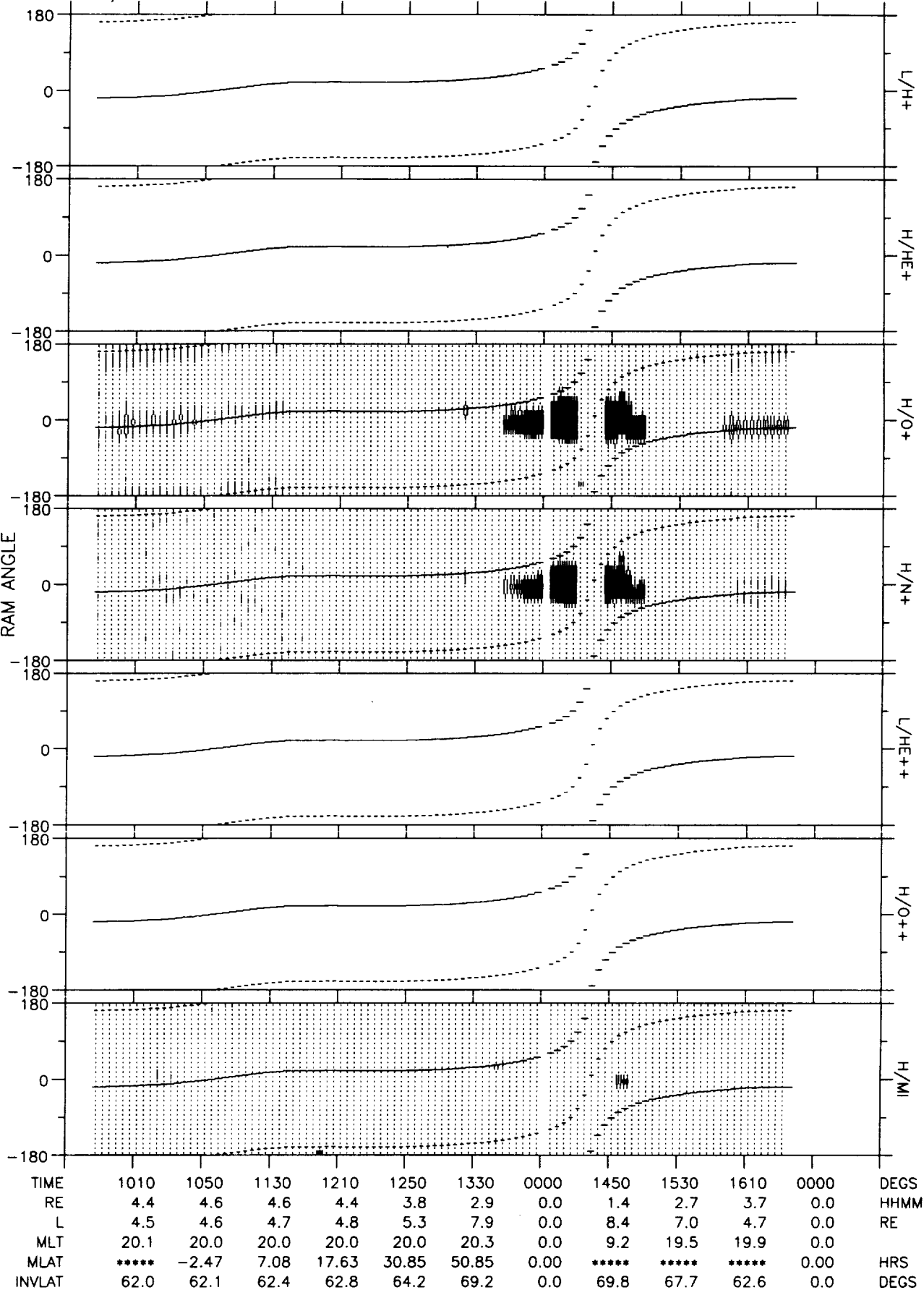
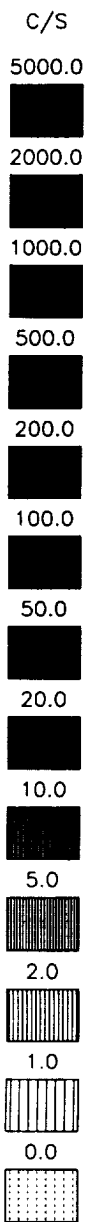
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Fri Oct 1 15:45:01 1993

82/120 30-APR 0315:00 - 1115:00 HEAD= RL RPA= 0 to 1000 BIAS= A



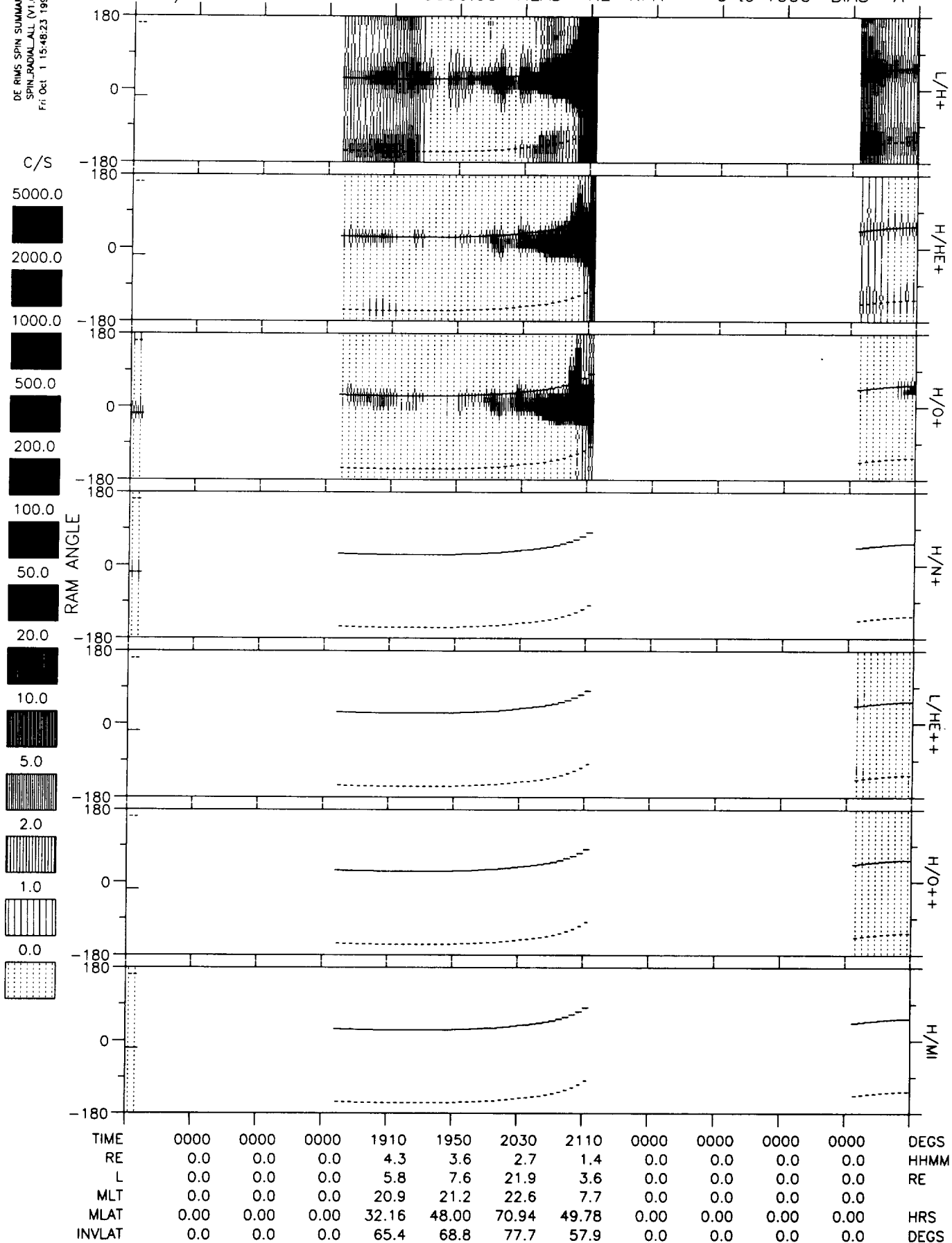
DE RMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Fri Oct 1 15:46:51 1993

82/120 30-APR 0930:00 - 1730:00 HEAD= RL RPA= 0 to 1000 BIAS= A



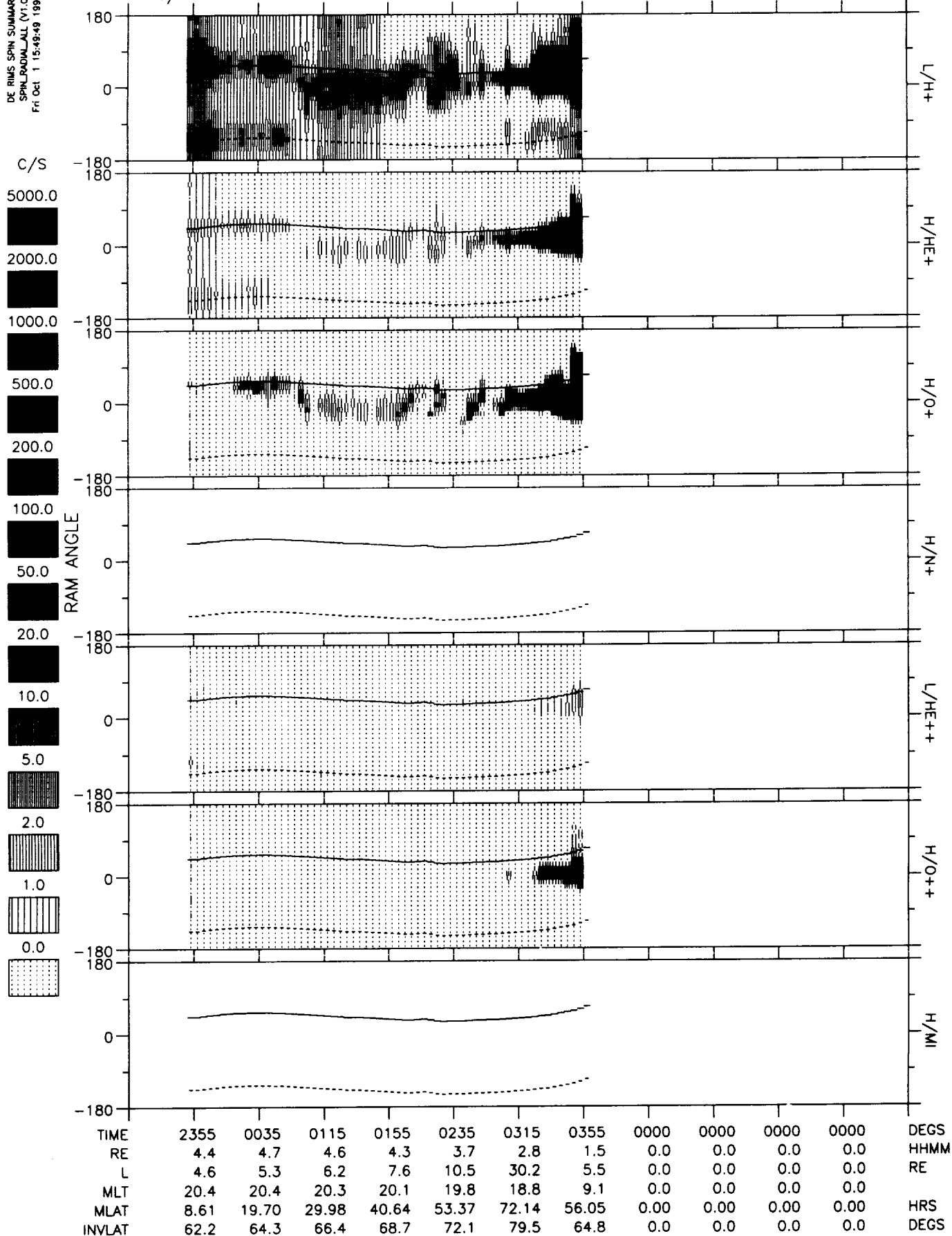
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Fri Oct 1 15:48:23 1993

82/120 30-APR 1630:00 - 0030:00 HEAD= RL RPA= 0 to 1000 BIAS= A



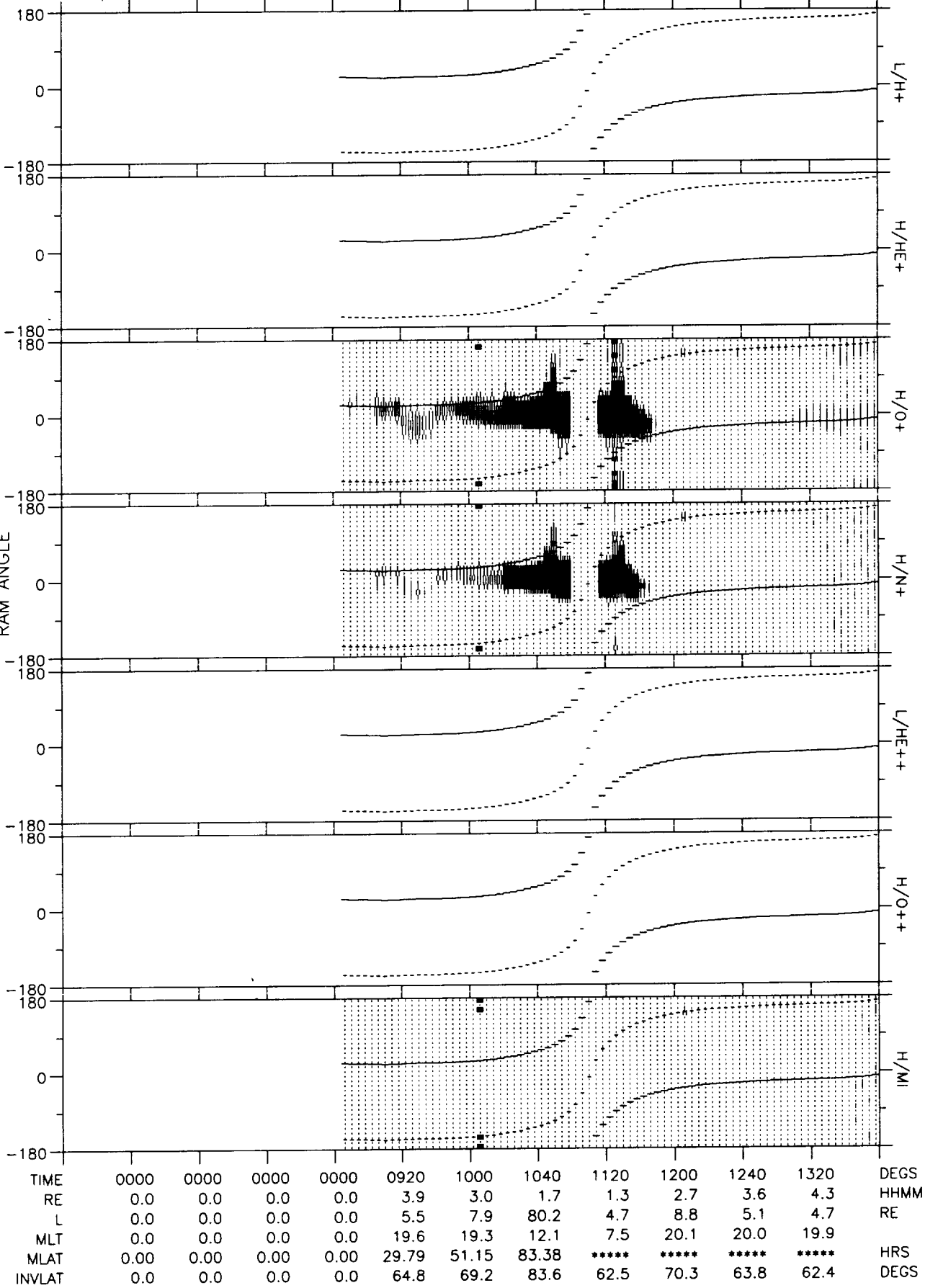
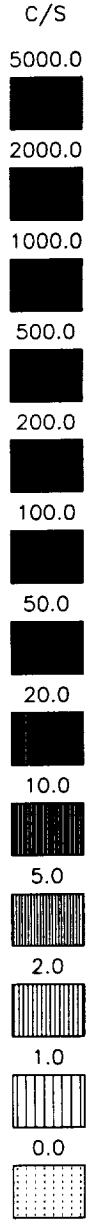
DE RIMS SPIN SUMMARY
SPINRADIALALL (V1.0)
Fri Oct 1 15:49:49 1993

82/120 30-APR 2315:00 - 0715:00 HEAD= RL RPA= 0 to 1000 BIAS= A



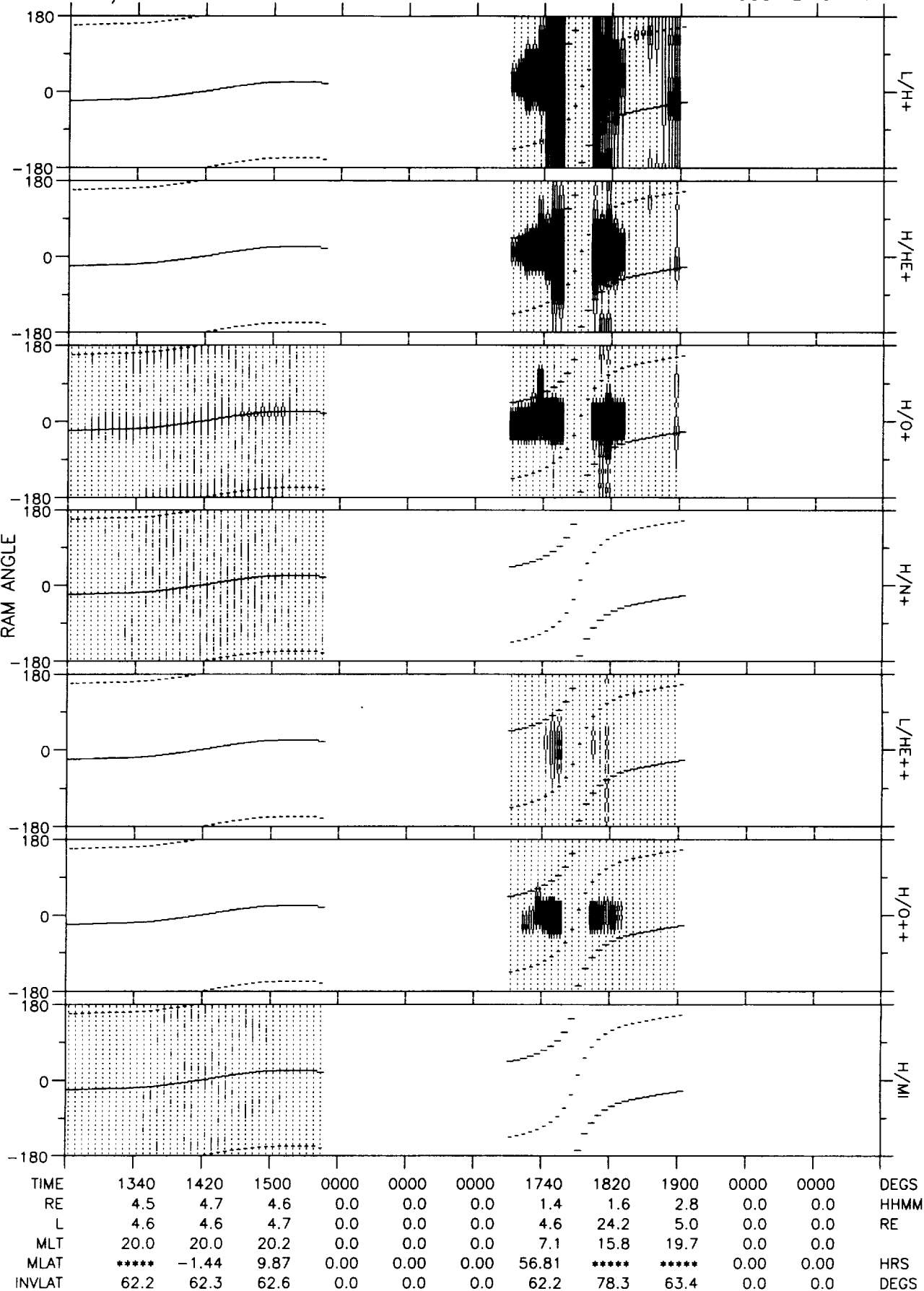
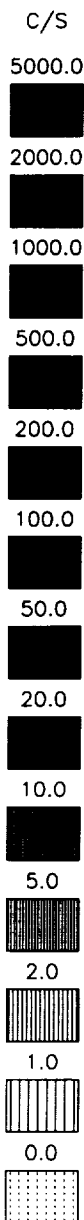
DE RMS SPIN SUMMARY
SPIN/RADIAL ALL (V1.0)
Fri Oct 1 15:51:32 1993

82/121 01-MAY 0600:00 - 1400:00 HEAD= RL RPA= 0 to 1000 BIAS= A



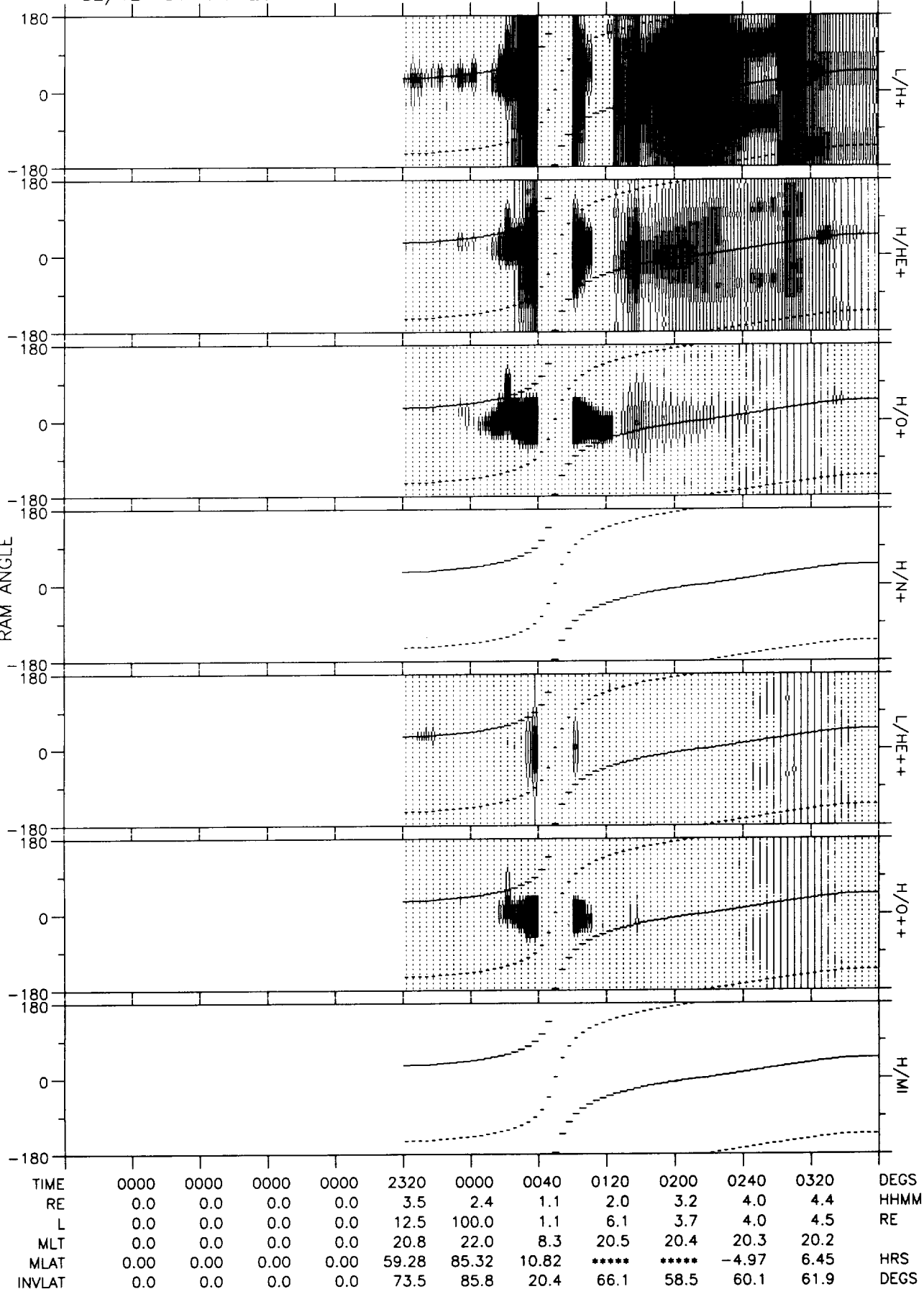
DE RMS SPIN SUMMARY
SPINRADIAL (V1.0)
Fri Oct 1 15:53:04 1993

82/121 01-MAY 1300:00 - 2100:00 HEAD= RL RPA= 0 to 1000 BIAS= A



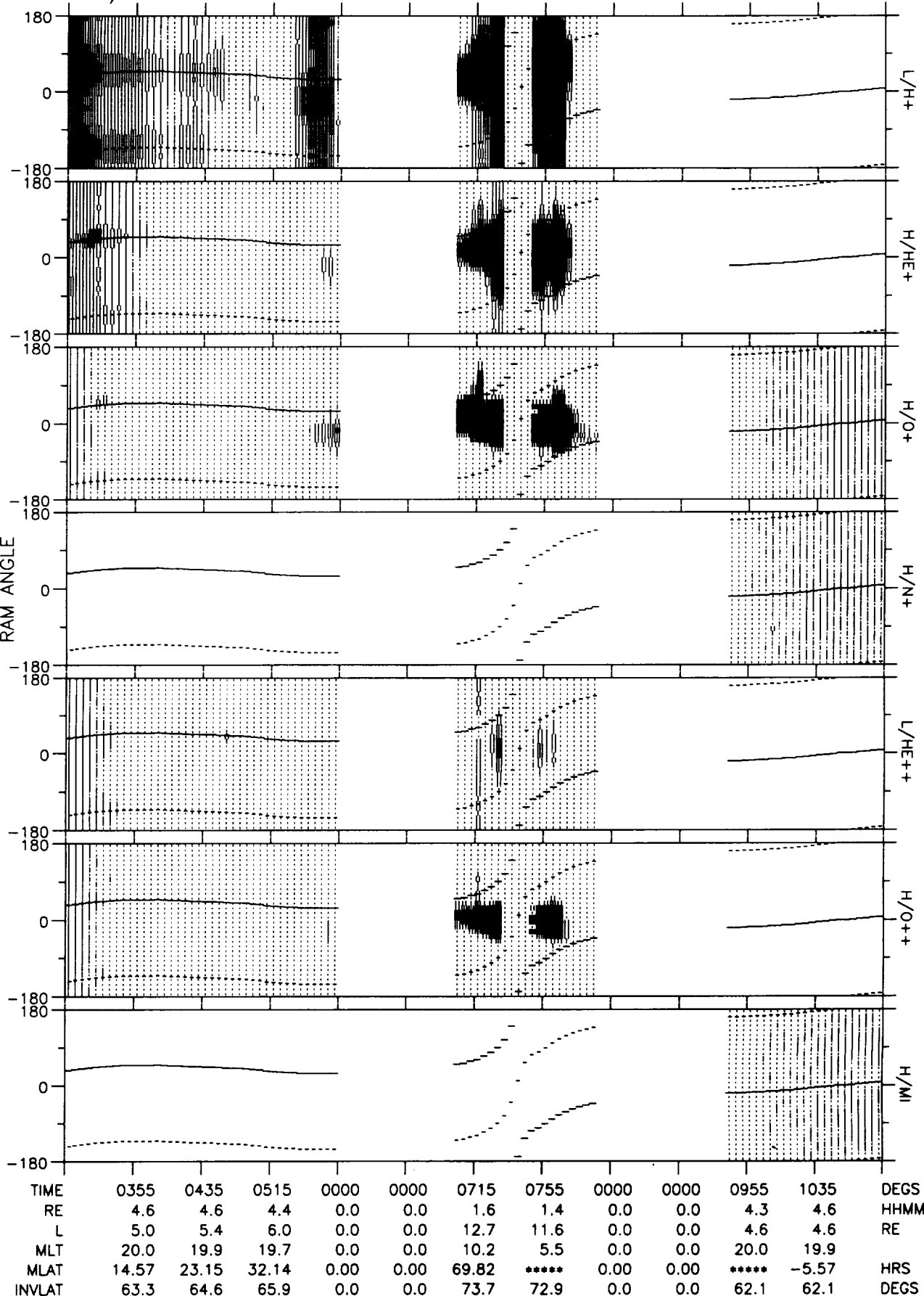
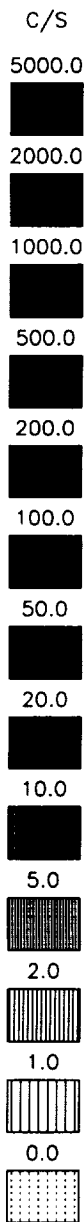
DE RIMS SPIN SUMMARY
SPIN_RADIAL.ALL (V1.0)
Fri Oct 1 15:54:40 1993

82/121 01-MAY 2000:00 - 0400:00 HEAD= RL RPA= 0 to 1000 BIAS= A



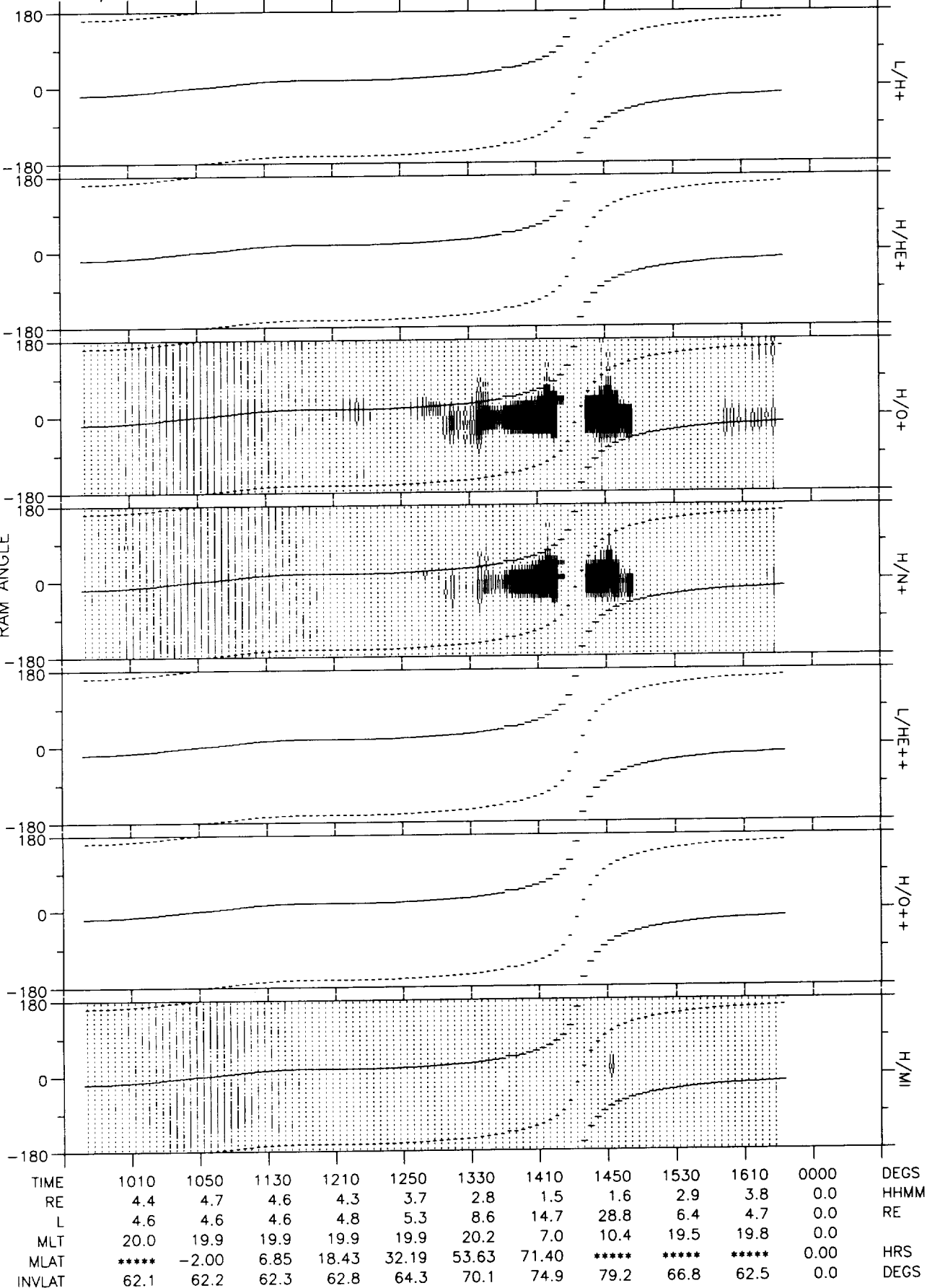
DE RIMS SPIN SUMMARY
SPIN_RADIALL (V1.0)
Fri Oct 1 16:09:09 1993

82/122 02-MAY 0315:00 - 1115:00 HEAD= RL RPA= 0 to 1000 BIAS= A



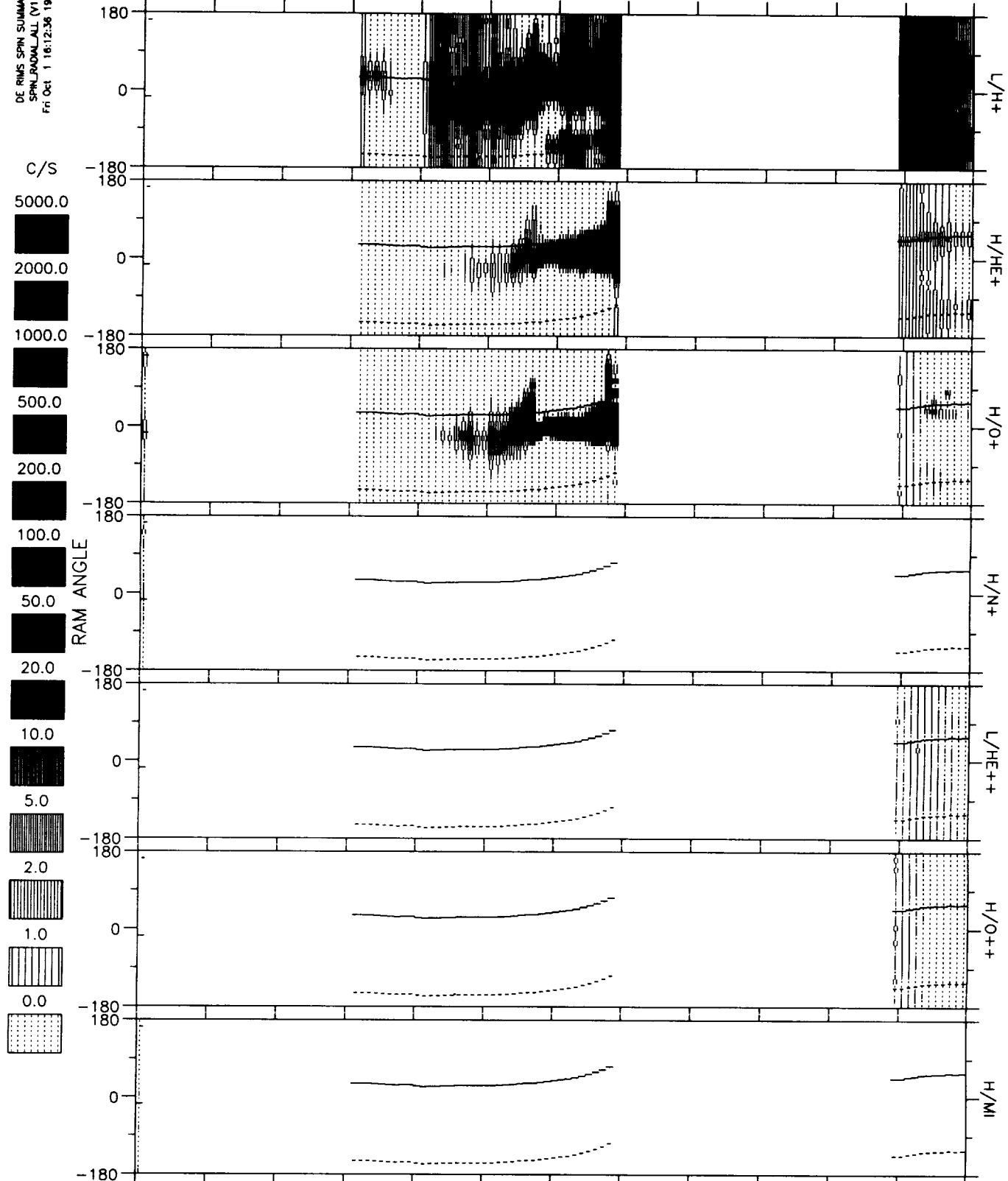
DE RIMS SPIN SUMMARY
SPIN-RADIAL-ALL (V1.0)
Fri Oct 1 16:11:01 1993

82/122 02-MAY 0930:00 - 1730:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Fri Oct 1 16:12:36 1993

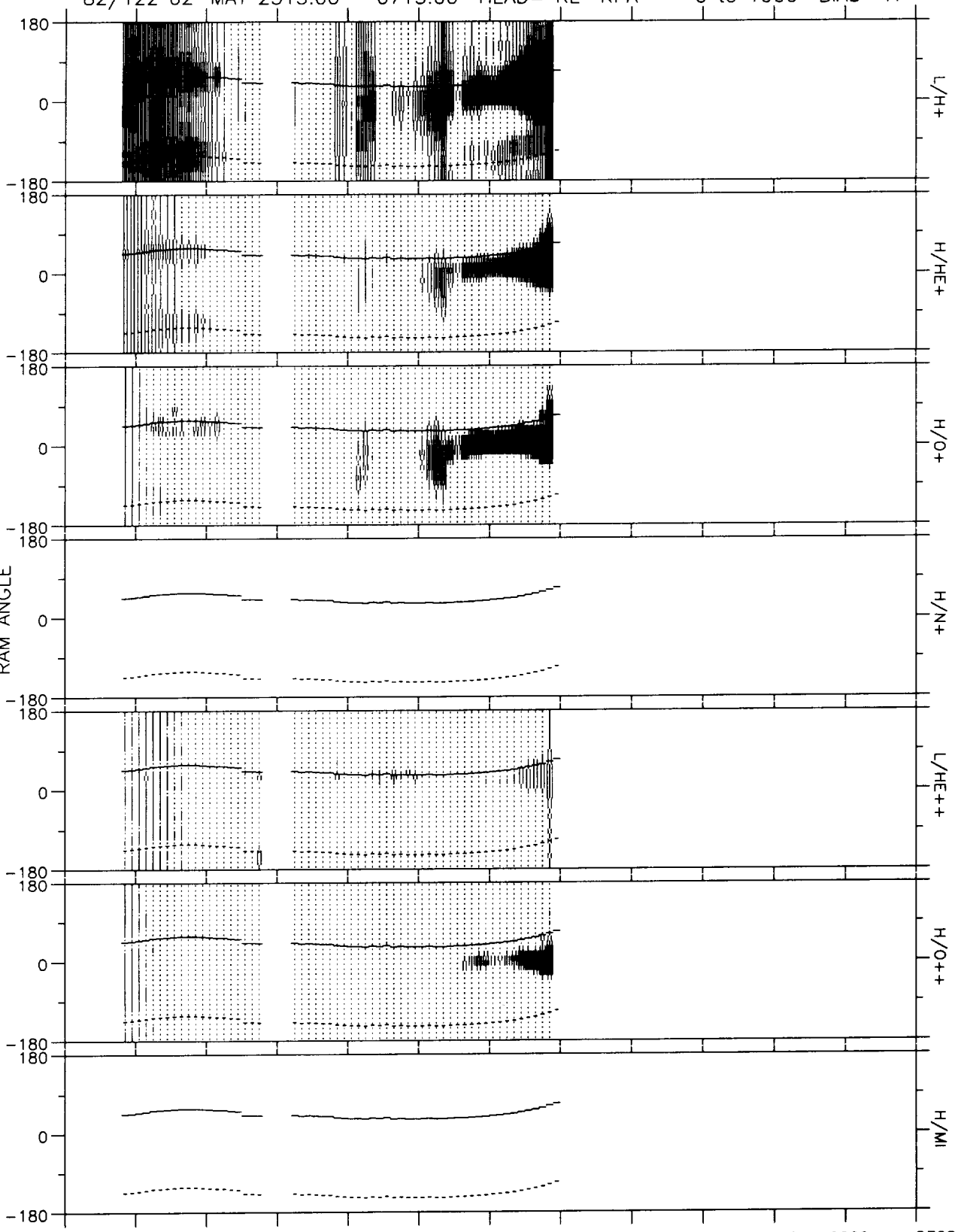
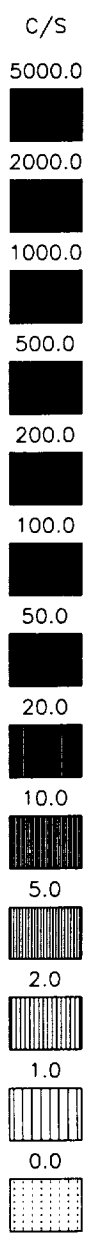
82/122 02-MAY 1630:00 - 0030:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0000	0000	0000	1910	1950	2030	0000	0000	0000	0000	2350	DEGS
RE	0.0	0.0	0.0	4.2	3.5	2.5	0.0	0.0	0.0	0.0	4.4	HHMM
L	0.0	0.0	0.0	5.8	7.9	29.3	0.0	0.0	0.0	0.0	4.6	RE
MLT	0.0	0.0	0.0	20.8	21.2	22.9	0.0	0.0	0.0	0.0	20.3	
MLAT	0.00	0.00	0.00	33.41	49.82	74.12	0.00	0.00	0.00	0.00	7.98	HRS
INVLAT	0.0	0.0	0.0	65.6	69.2	79.3	0.0	0.0	0.0	0.0	62.2	DEGS

DE RIMS SPIN SUMMARY
SPIN/RADIAL ALL (V1.0)
Fri Oct 1 16:14:08 1993

82/122 02-MAY 2315:00 - 0715:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	2355	0035	0000	0155	0235	0315	0000	0000	0000	0000	0000	DEGS
RE	4.5	4.7	0.0	4.3	3.7	2.7	0.0	0.0	0.0	0.0	0.0	HHMM
L	4.7	5.3	0.0	7.6	10.8	38.3	0.0	0.0	0.0	0.0	0.0	RE
MLT	20.3	20.2	0.0	20.0	19.6	18.3	0.0	0.0	0.0	0.0	0.0	HRS
MLAT	9.43	20.08	0.00	40.88	54.50	74.50	0.00	0.00	0.00	0.00	0.00	DEGS
INVLAT	62.4	64.4	0.0	68.7	72.3	80.7	0.0	0.0	0.0	0.0	0.0	

DE RIMS SPIN SUMMARY
SPIN/RADIAL ALL (V1.0)
Fri Oct 1 16:15:49 1993

82/123 03-MAY 0600:00 - 1400:00 HEAD= RL RPA= 0 to 1000 BIAS= A

C/S

5000.0

2000.0

1000.0

500.0

200.0

100.0

50.0

20.0

10.0

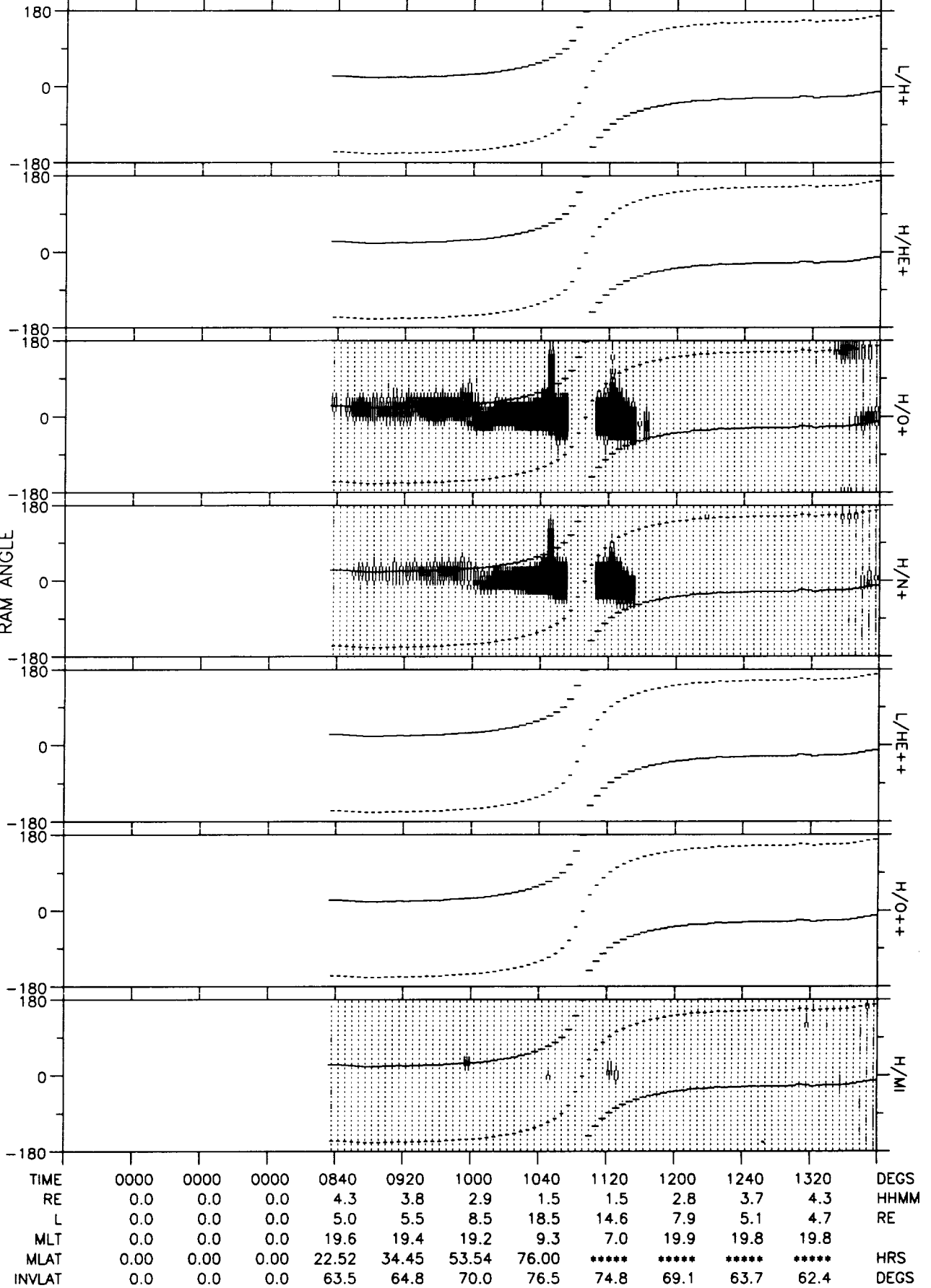
5.0

2.0

1.0

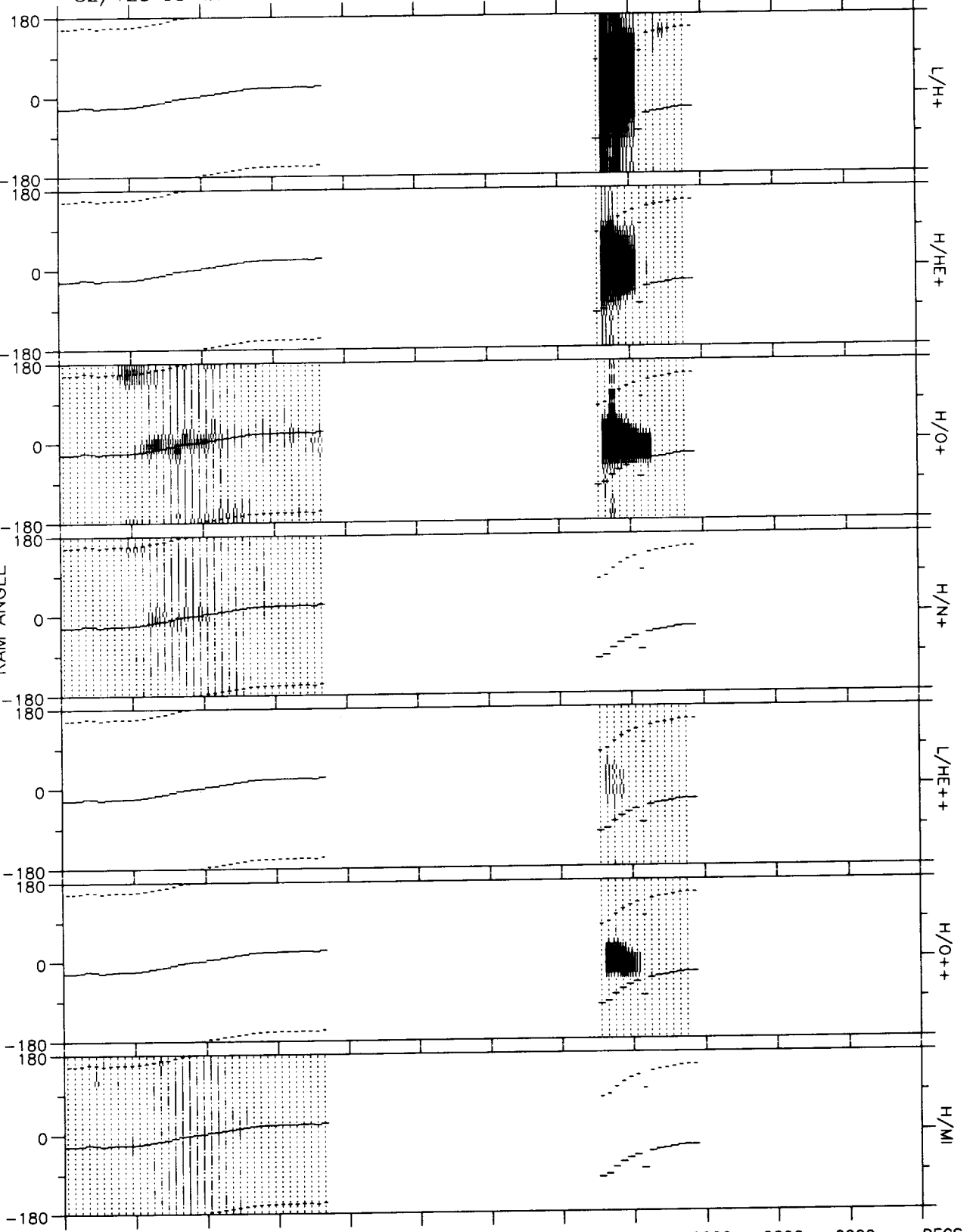
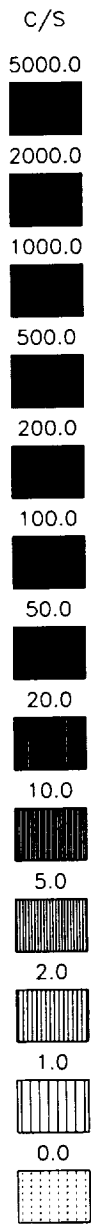
0.0

RAM ANGLE



DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Fri Oct 1 16:17:19 1993

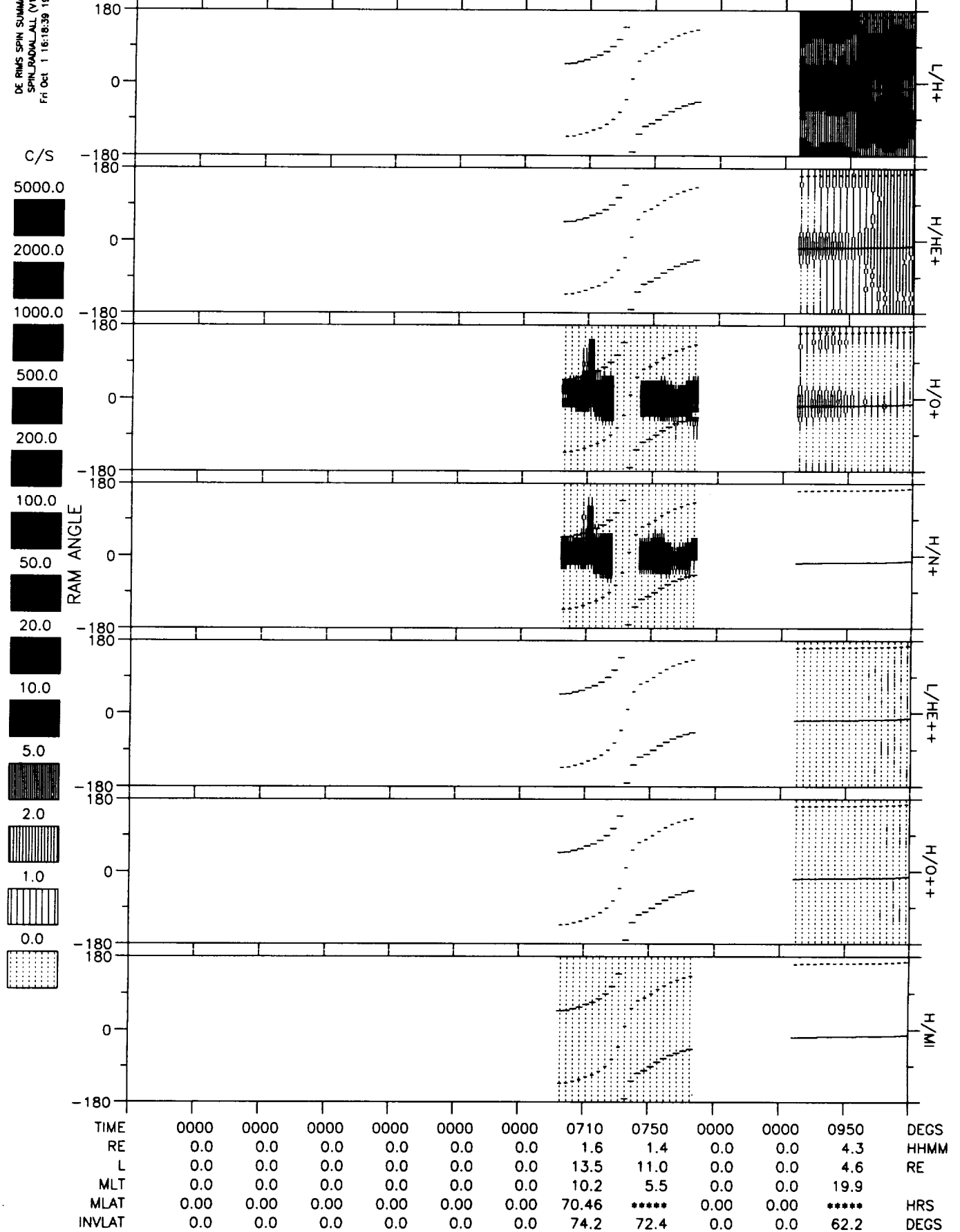
82/123 03-MAY 1300:00 - 2100:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	1340	1420	1500	0000	0000	0000	0000	1820	0000	0000	0000	DEGS
RE	4.5	4.7	4.6	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	HHMM
L	4.6	4.6	4.7	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0	RE
MLT	19.8	19.9	20.1	0.0	0.0	0.0	0.0	17.6	0.0	0.0	0.0	HRS
MLAT	****	-0.64	10.74	0.00	0.00	0.00	0.00	****	0.00	0.00	0.00	DEGS
INVLAT	62.3	62.3	62.6	0.0	0.0	0.0	0.0	75.5	0.0	0.0	0.0	

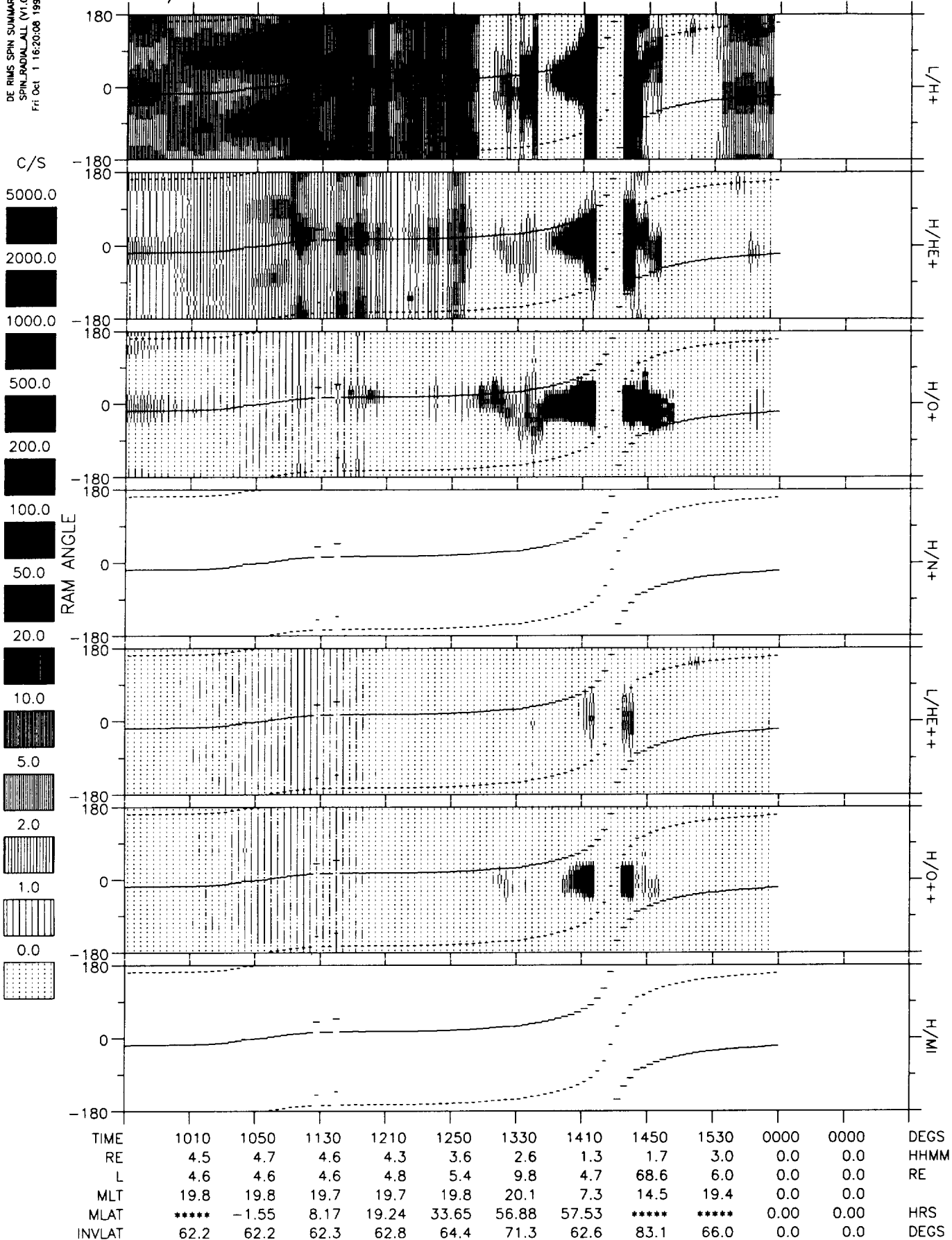
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Fri Oct 1 16:18:39 1993

82/124 04-MAY 0230:00 - 1030:00 HEAD= RL RPA= 0 to 1000 BIAS= A



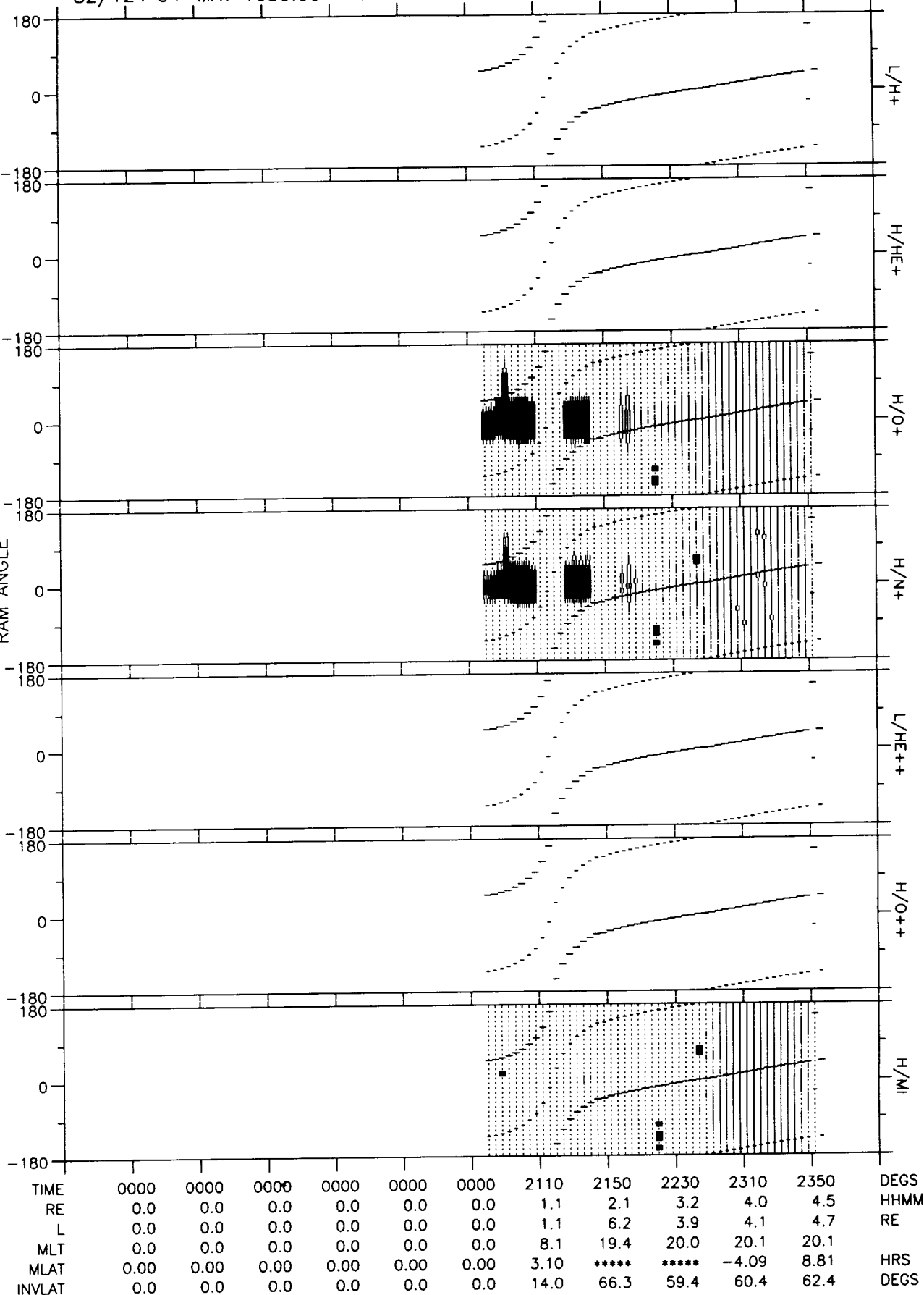
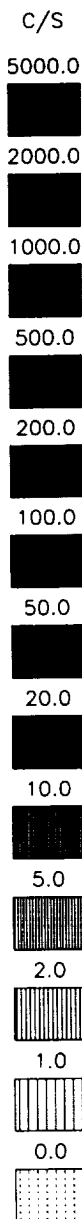
DE RIMS SPIN SUMMARY
SPIN_RADIALALL (V1.0)
Fri Oct 1 16:20:08 1993

82/124 04-MAY 0930:00 - 1730:00 HEAD= RL RPA= 0 to 1000 BIAS= A



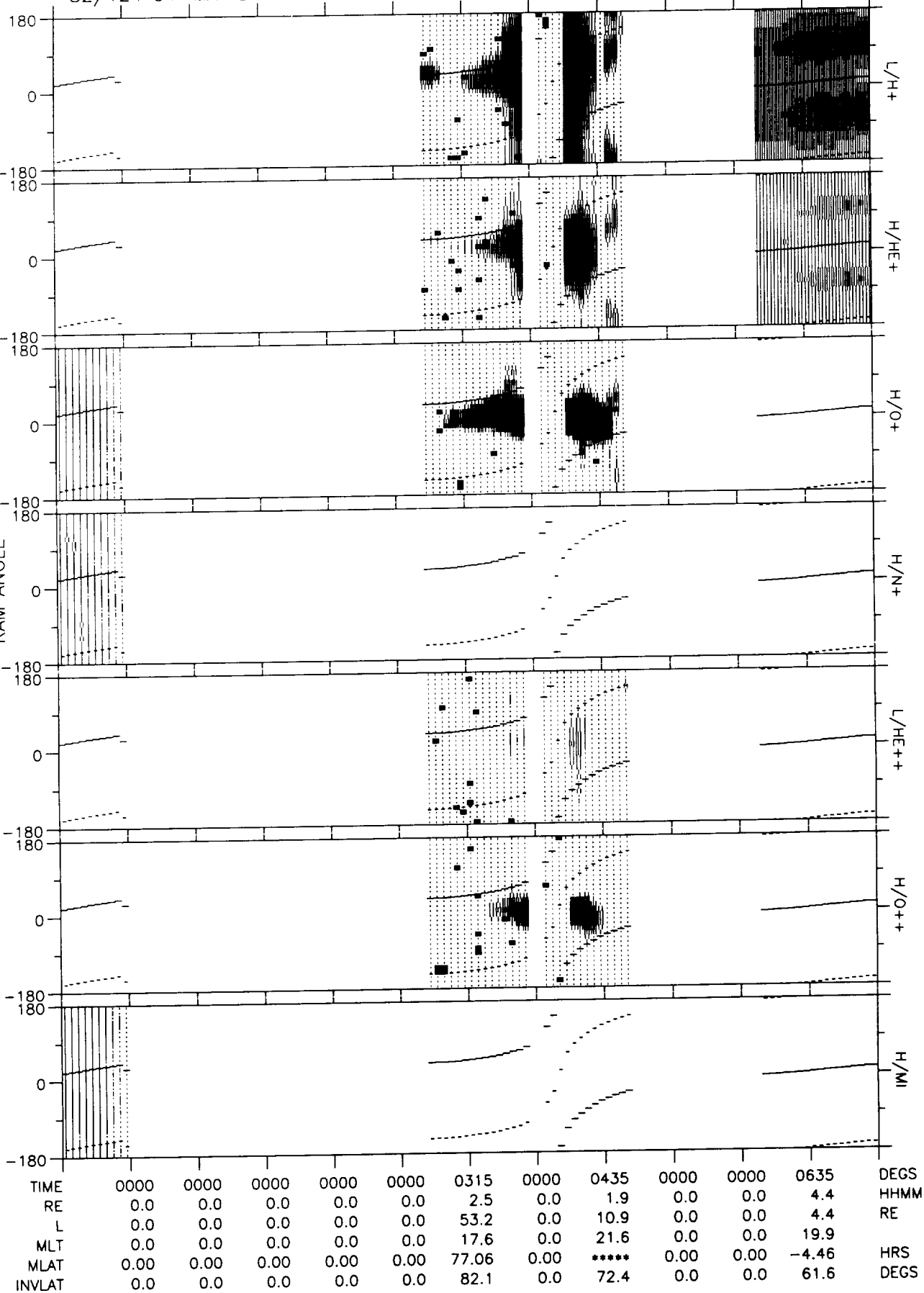
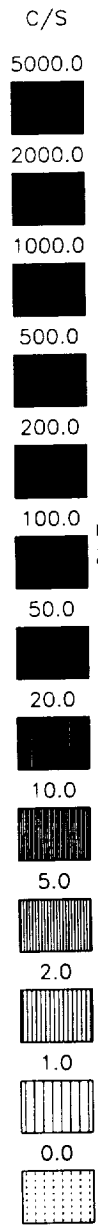
DE RMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Fr Oct 1 16:22:34 1993

82/124 04-MAY 1630:00 - 0030:00 HEAD= RL RPA= 0 to 1000 BIAS= A



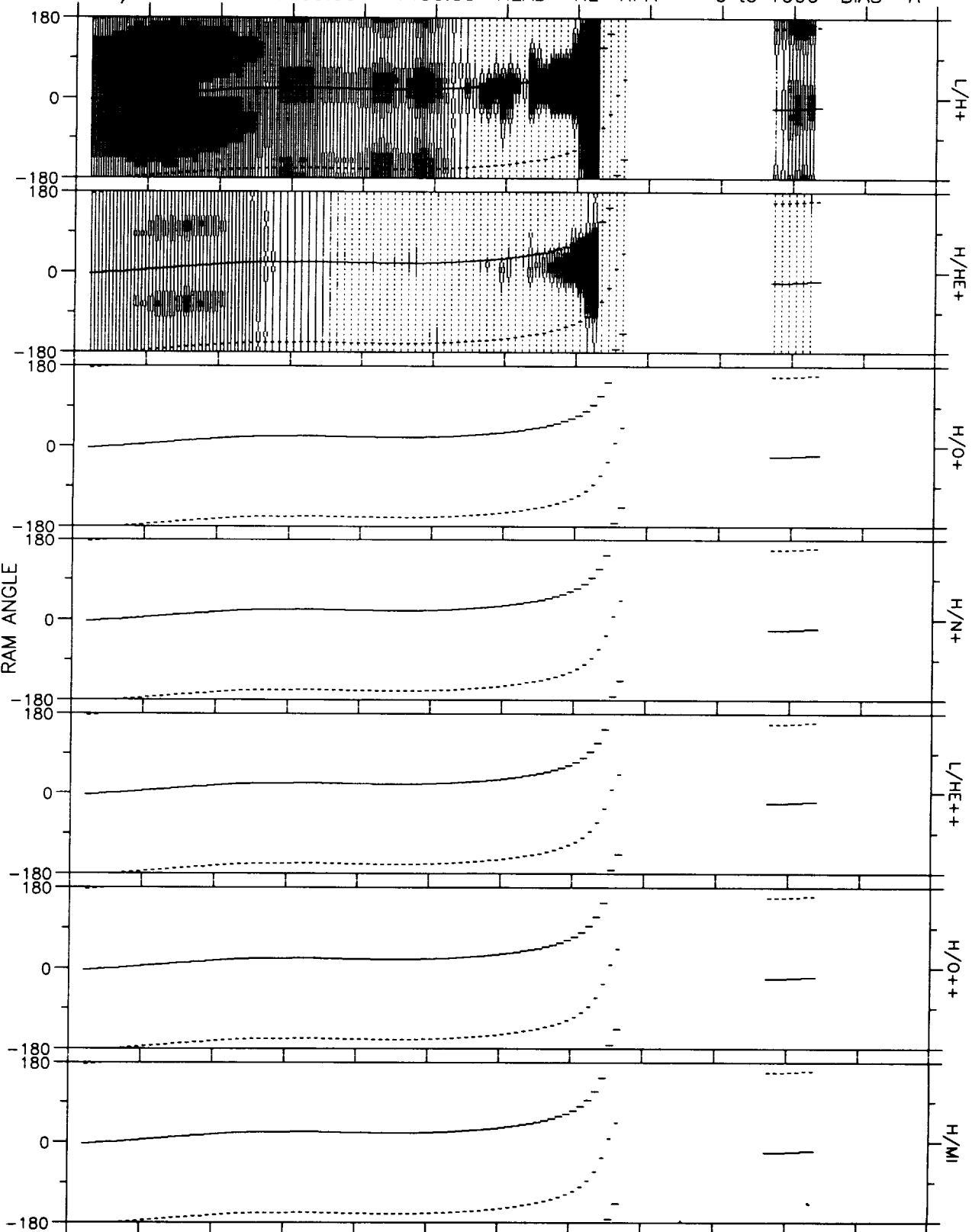
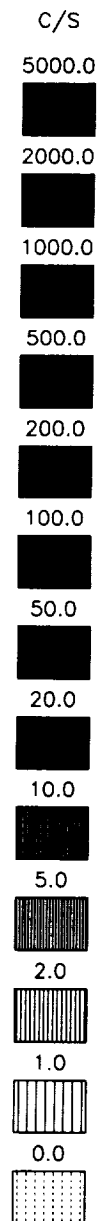
DE RIMS SPIN SUMMARY
SPIN_RADIALALL (V1.0)
Fri Oct 1 16:23:51 1993

82/124 04-MAY 2315:00 - 0715:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Fri Oct 1 16:31:46 1993

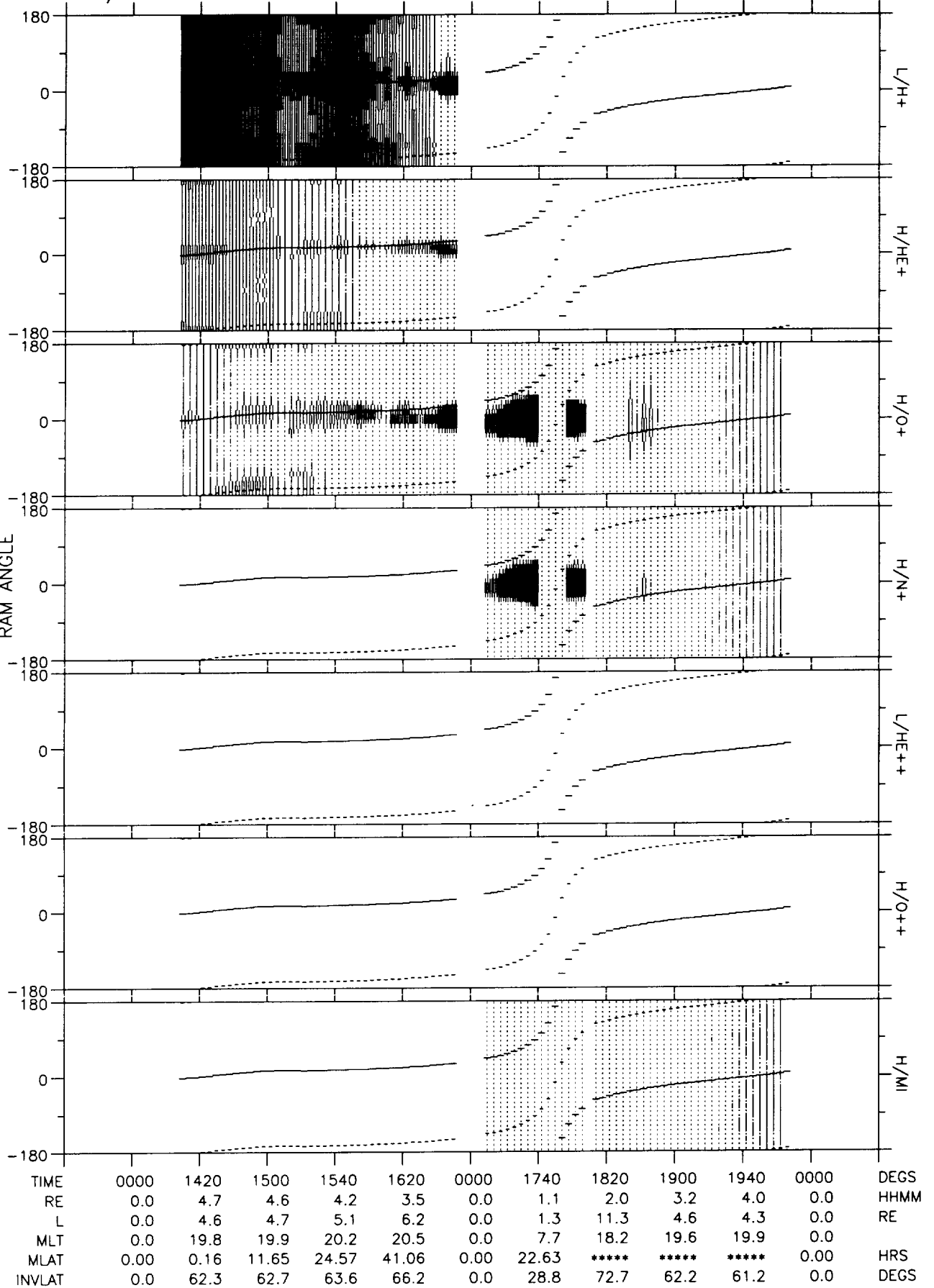
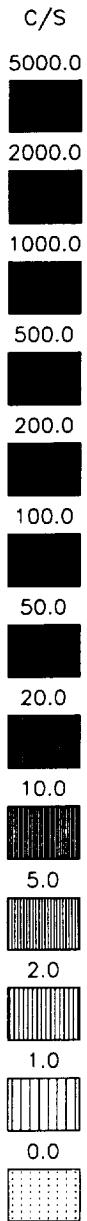
82/125 05-MAY 0600:00 - 1400:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0640	0720	0800	0840	0920	1000	1040	0000	0000	1240	0000	DEGS
RE	4.5	4.7	4.6	4.3	3.7	2.7	1.4	0.0	0.0	3.8	0.0	HHMM
L	4.4	4.7	4.8	5.0	5.5	9.4	5.9	0.0	0.0	5.1	0.0	RE
MLT	19.9	19.7	19.6	19.5	19.3	19.0	8.4	0.0	0.0	19.7	0.0	HRS
MLAT	-3.29	5.24	13.60	23.04	35.55	56.29	64.20	0.00	0.00	*****	0.00	HRS
INVLAT	61.7	62.4	62.8	63.4	64.9	71.0	65.8	0.0	0.0	63.6	0.0	DEGS

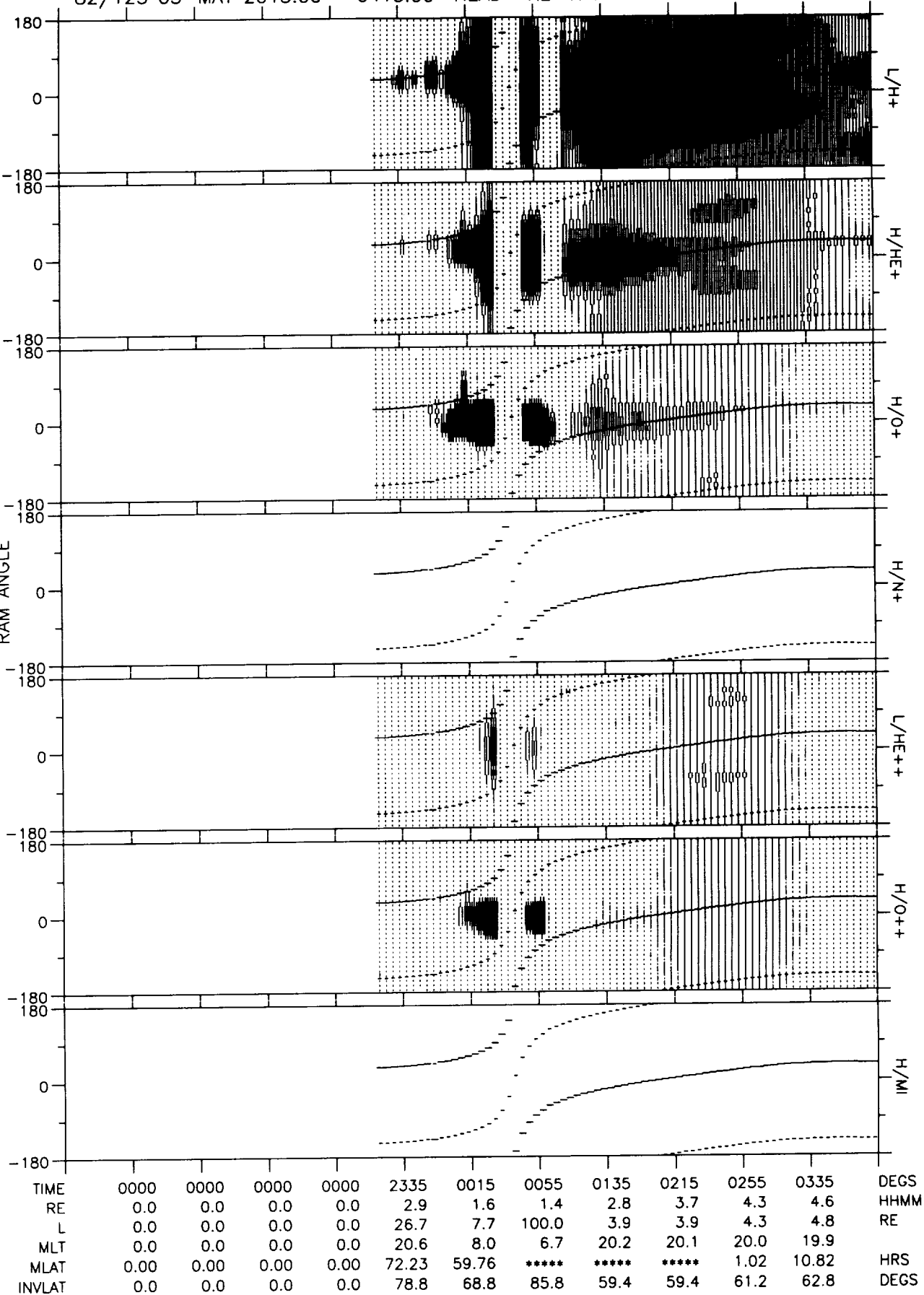
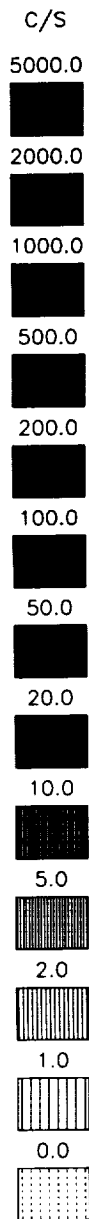
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Fri Oct 1 16:35:26 1993

82/125 05-MAY 1300:00 - 2100:00 HEAD= RL RPA= 0 to 1000 BIAS= A



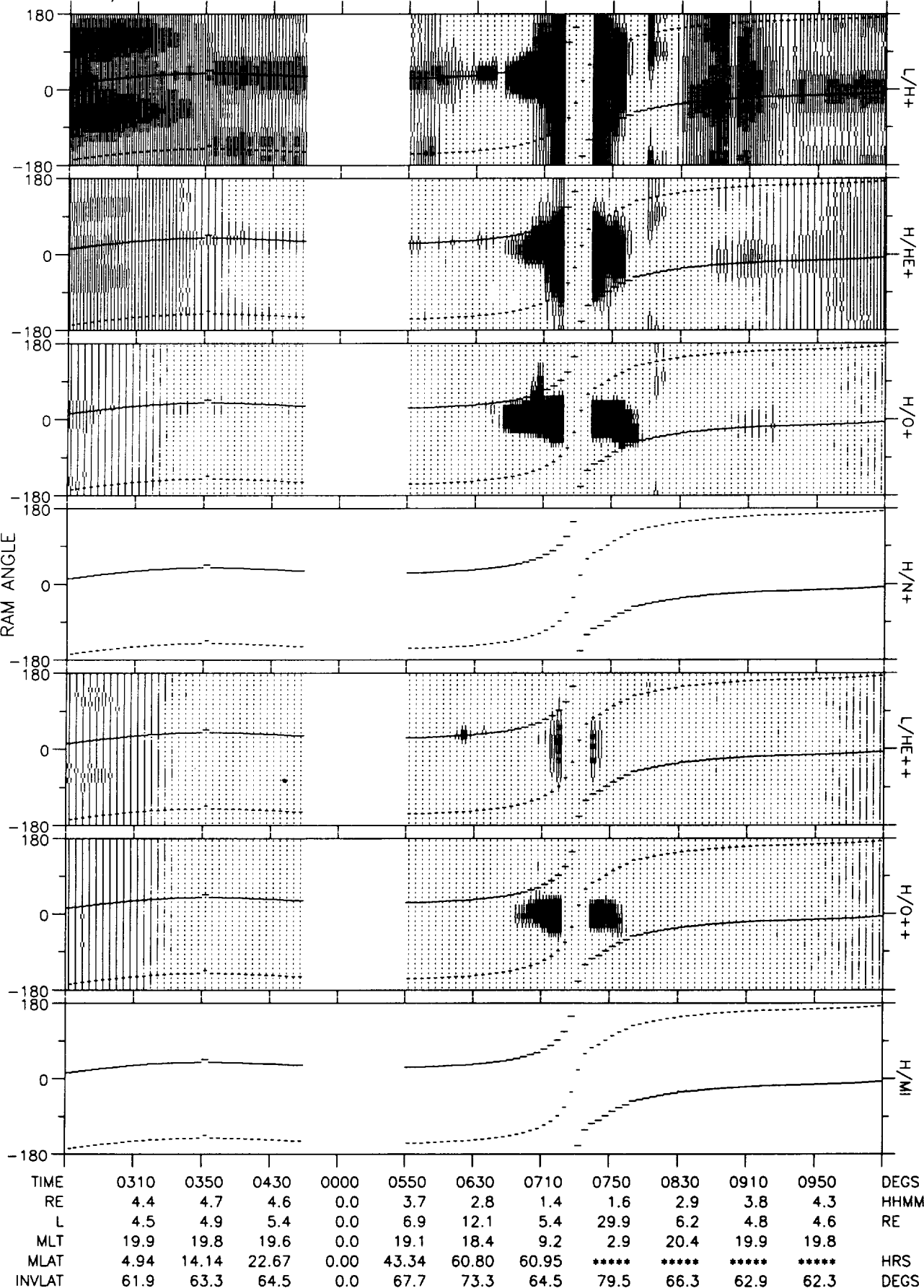
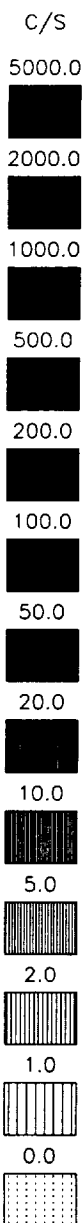
DE RIMS SPIN SUMMARY
SPIN/RAO/ALL (V1.0)
Fri Oct 1 16:35:05 1993

82/125 05-MAY 2015:00 - 0415:00 HEAD= RL RPA= 0 to 1000 BIAS= A



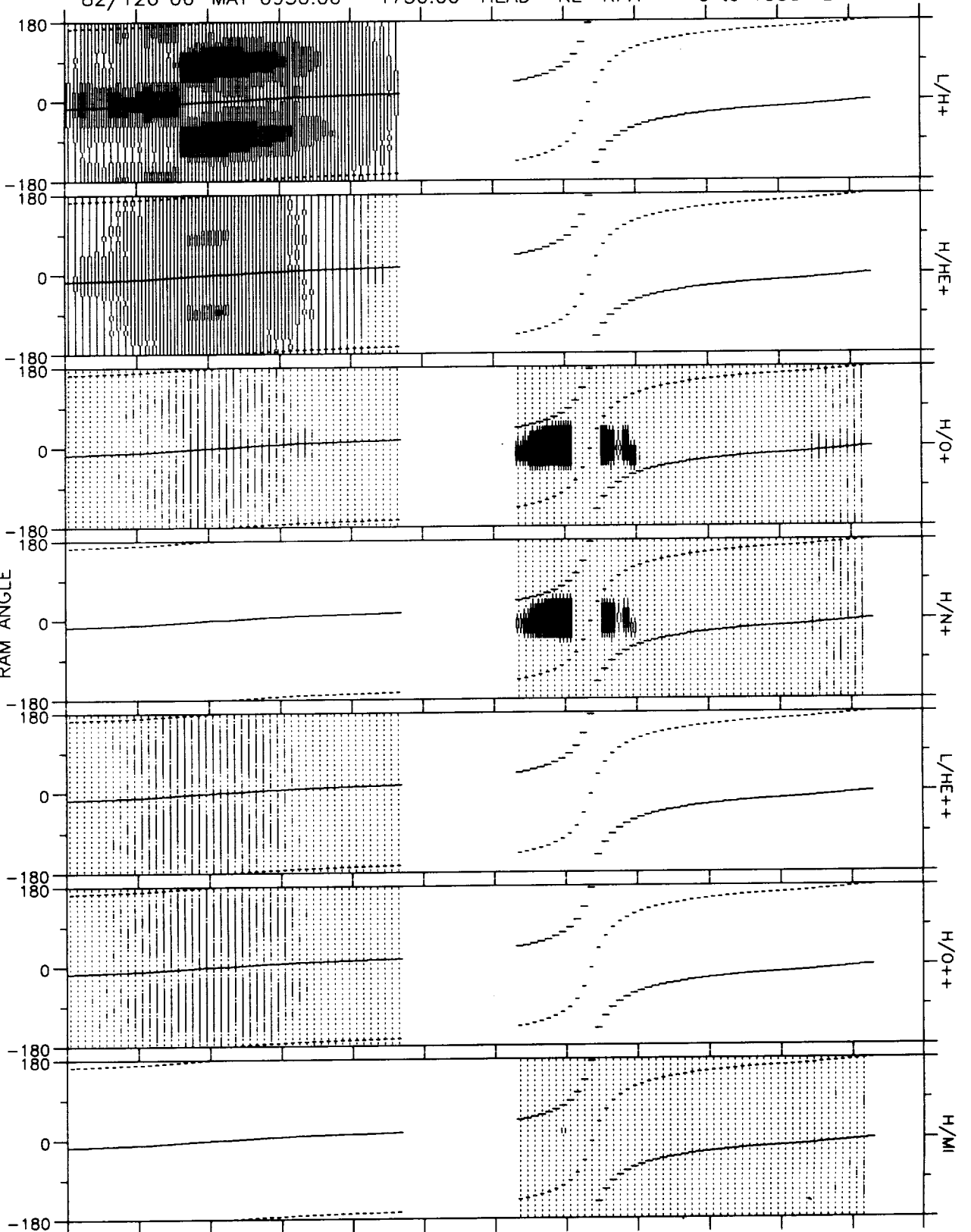
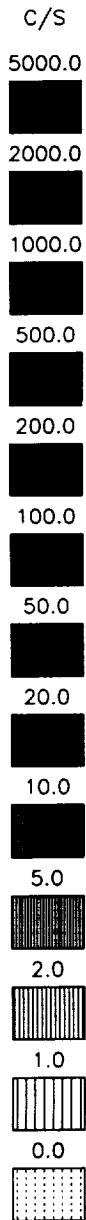
DE RIMS SPIN SUMMARY
SPIN_RADIAL.ALL (V1.0)
Fri Oct 1 16:37:10 1993

82/126 06-MAY 0230:00 - 1030:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPINRADIALALL (V1.0)
Fri Oct 1 16:39:29 1993

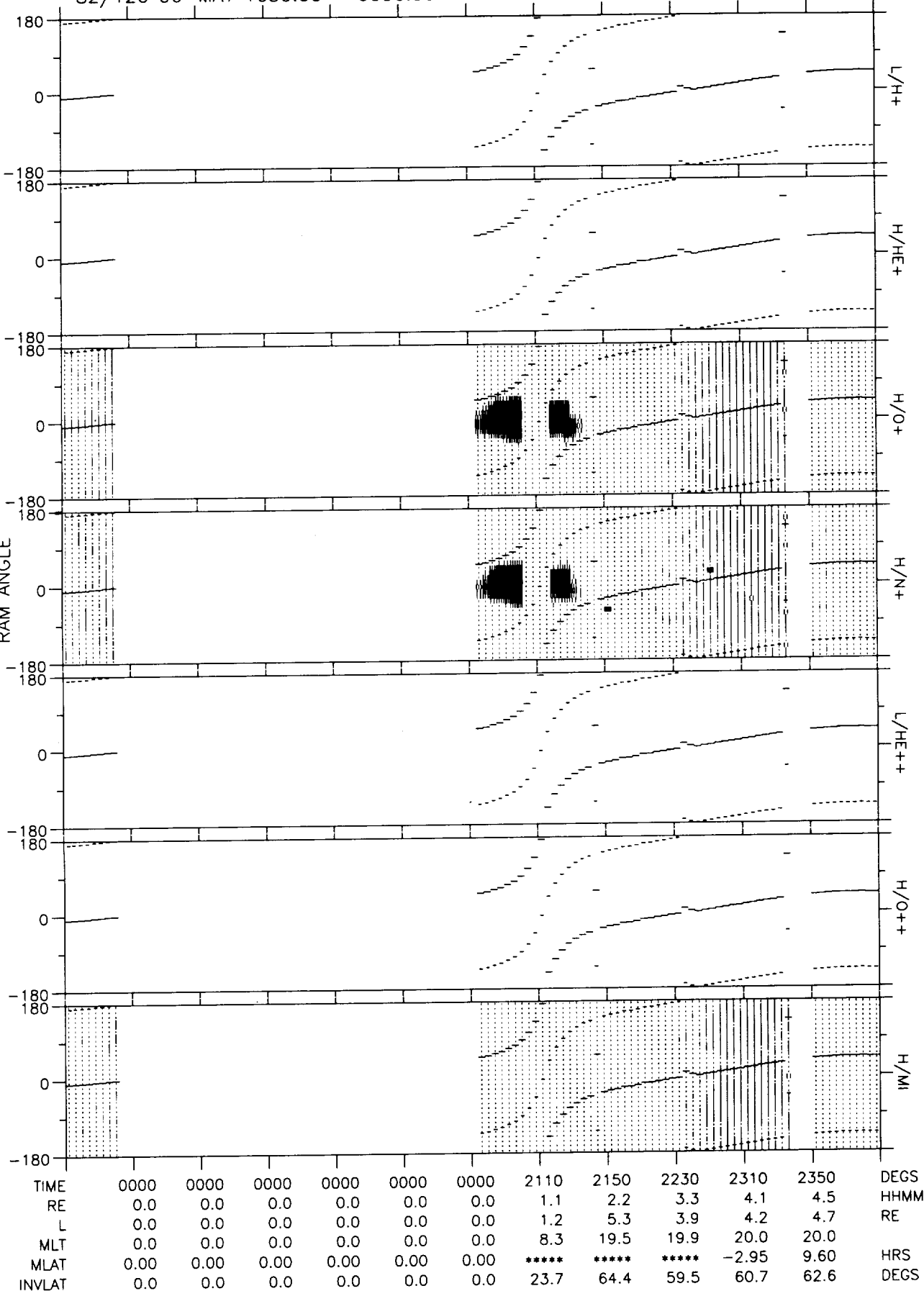
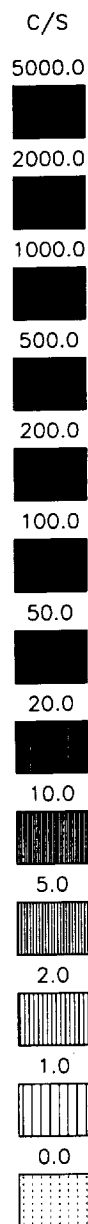
82/126 06-MAY 0930:00 - 1730:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	1010	1050	1130	1210	0000	0000	1410	1450	1530	1610	1650	DEGS
RE	4.5	4.7	4.6	4.2	0.0	0.0	1.2	1.9	3.1	3.9	4.4	HHMM
L	4.6	4.6	4.6	4.8	0.0	0.0	2.0	42.6	5.8	4.7	4.6	RE
MLT	19.7	19.6	19.6	19.6	0.0	0.0	7.4	17.2	19.3	19.6	19.8	HRS
MLAT	*****	-1.08	8.75	20.13	0.00	0.00	39.66	*****	*****	*****	-8.63	DEGS
INVLAT	62.2	62.2	62.3	62.7	0.0	0.0	45.2	81.2	65.4	62.5	62.1	

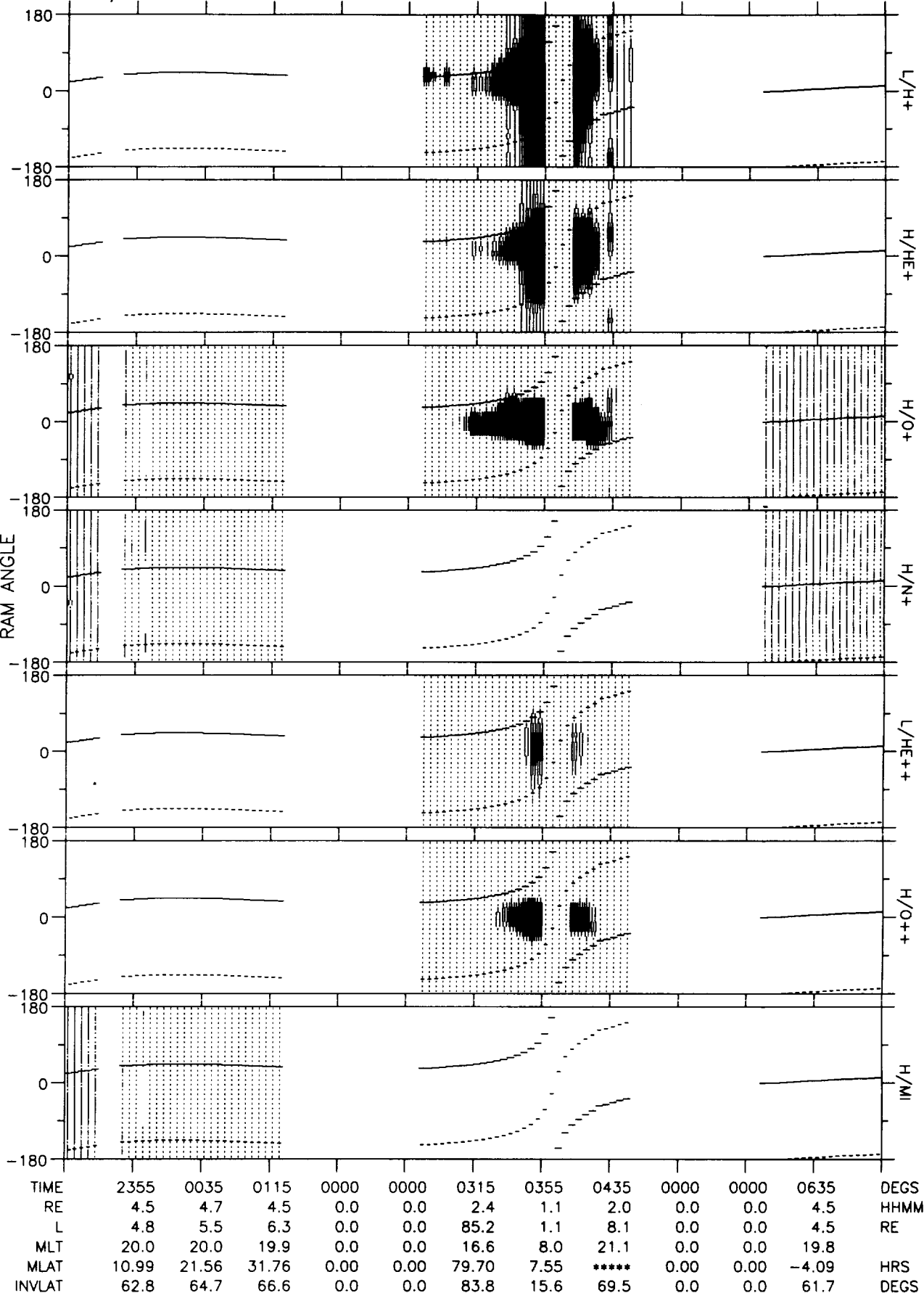
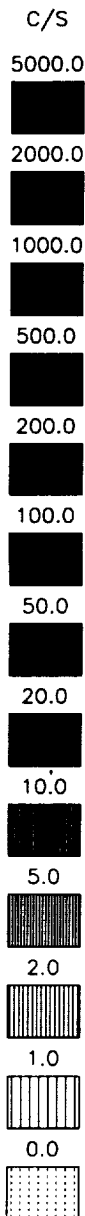
DE RIMS SPIN SUMMARY
SPIN/RADIAL ALL (V1.0)
Fri Oct 1 16:41:26 1993

82/126 06-MAY 1630:00 - 0030:00 HEAD= RL RPA= 0 to 1000 BIAS= A



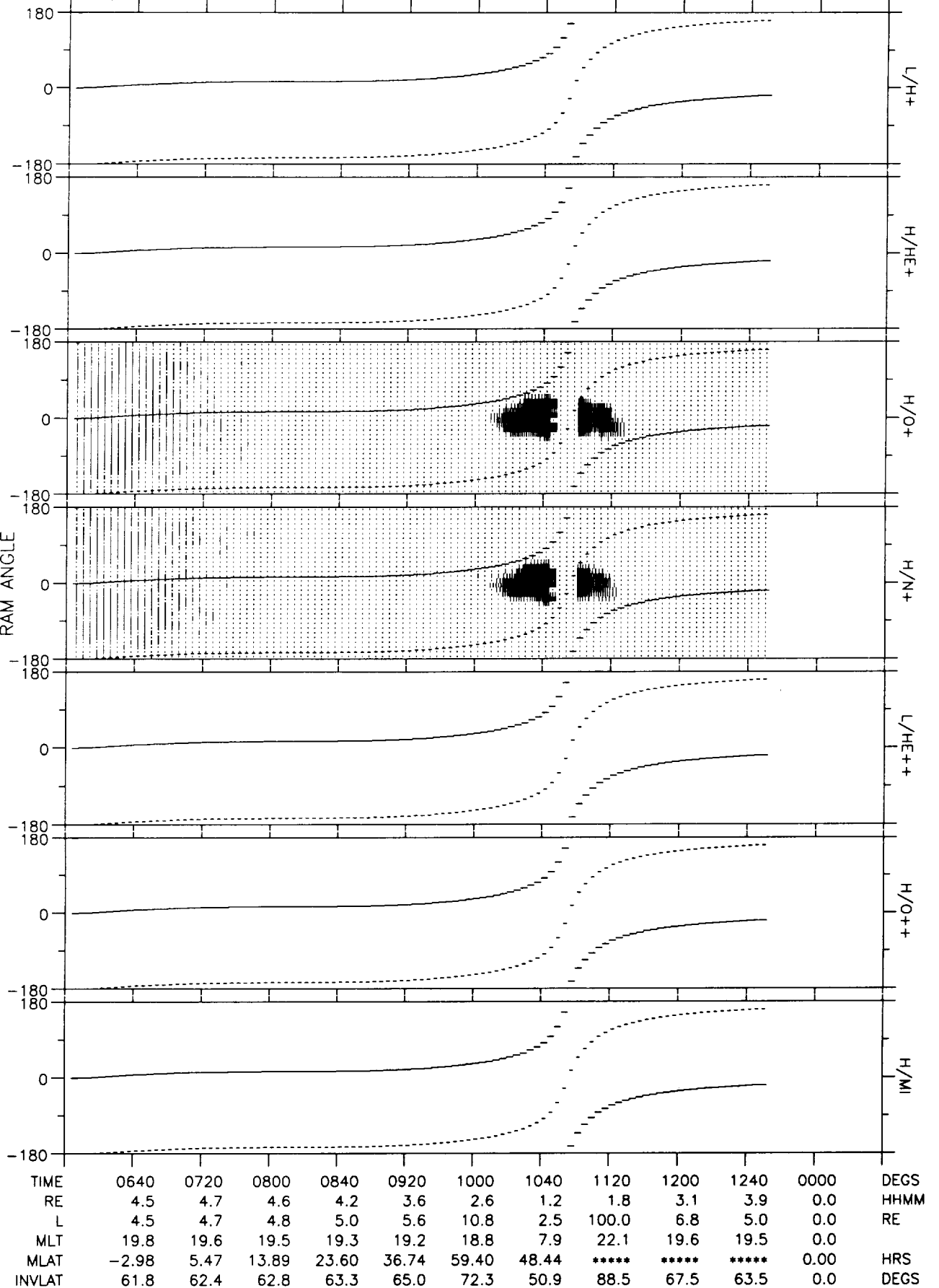
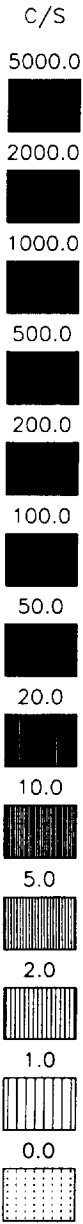
DE RMS SPIN SUMMARY
SPINRADIALALL (V1.0)
Fri Oct 1 16:42:49 1993

82/126 06-MAY 2315:00 - 0715:00 HEAD= RL RPA= 0 to 1000 BIAS= A



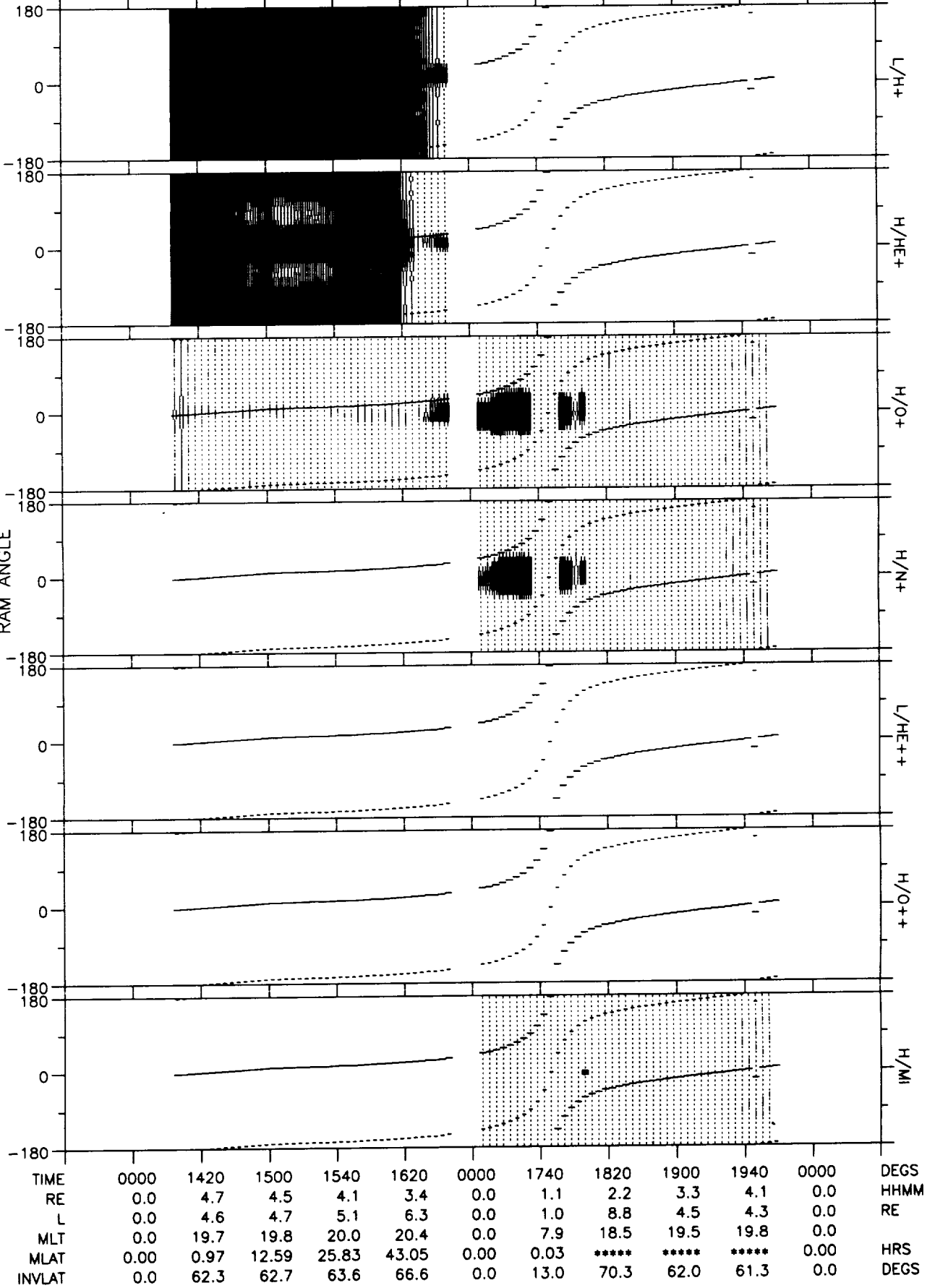
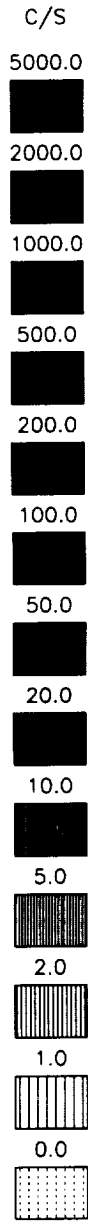
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Fri Oct 1 16:44:33 1993

82/127 07-MAY 0600:00 - 1400:00 HEAD= RL RPA= 0 to 1000 BIAS= A



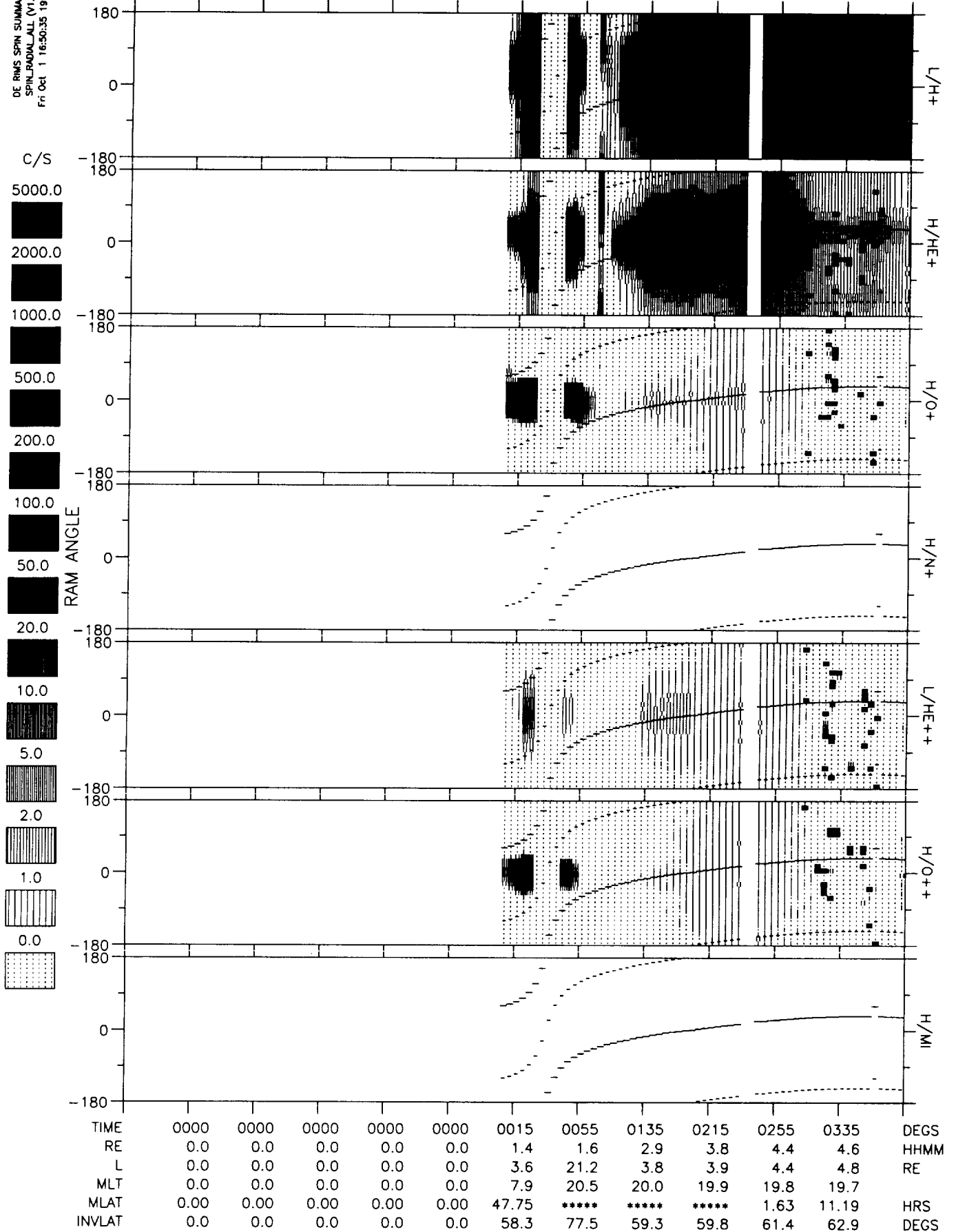
DE RIMS SPIN SUMMARY
SPIN/RADIAL ALL (V1.0)
Fri Oct 1 16:48:25 1993

82/127 07-MAY 1300:00 - 2100:00 HEAD= RL RPA= 0 to 1000 BIAS= A



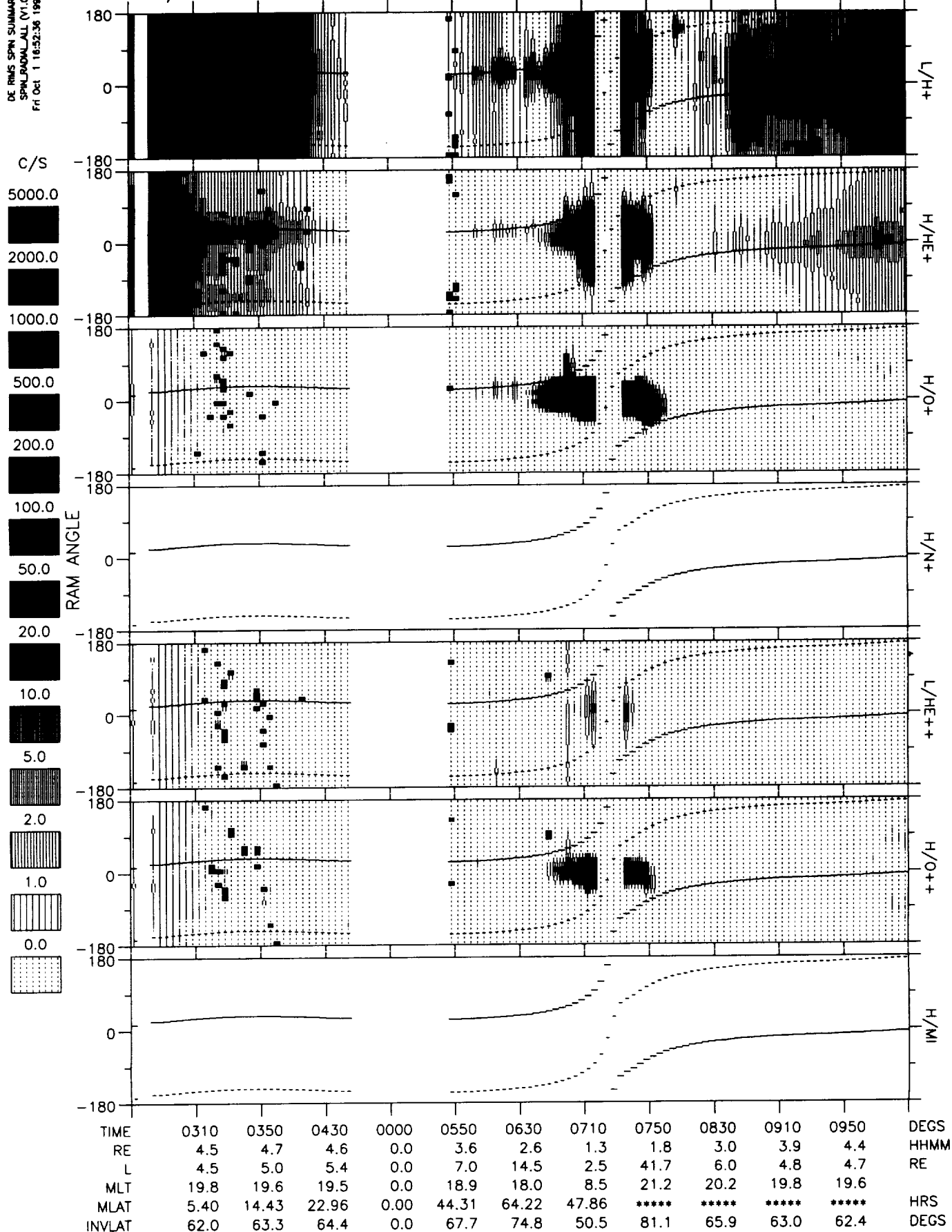
DE RMS SPIN SUMMARY
SPIN/RADIAL ALL (V1.0)
Fri Oct 1 16:50:35 1993

82/127 07-MAY 2015:00 - 0415:00 HEAD= RL RPA= 0 to 1000 BIAS= A



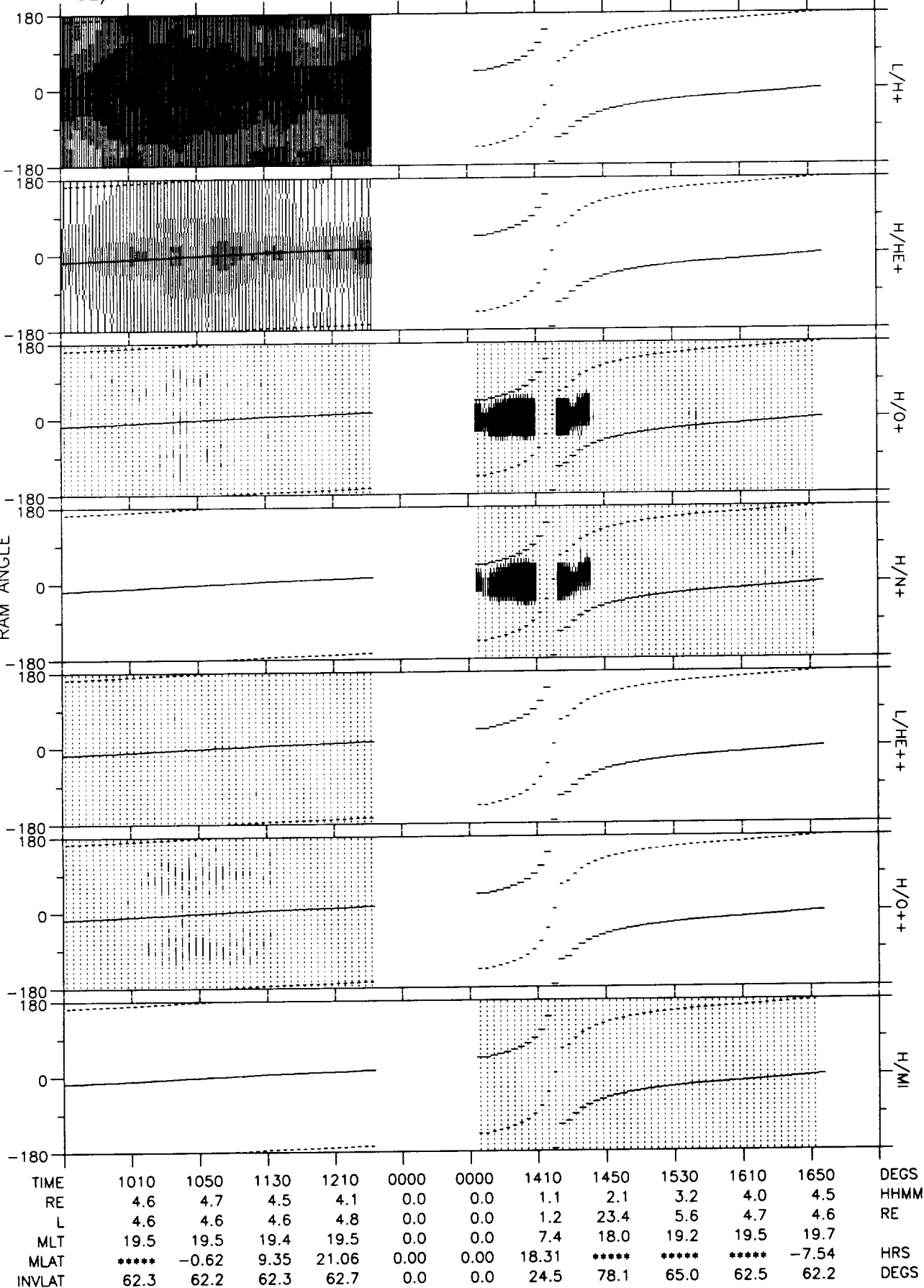
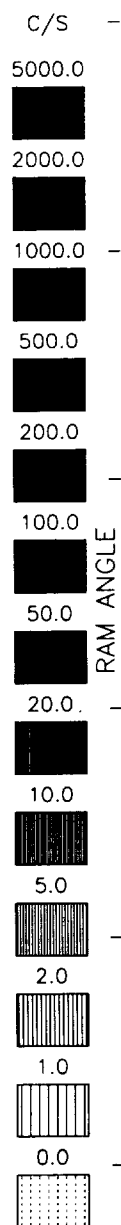
DE RMS SPIN SUMMARY
SPINRADIAL (V1.0)
Fri Oct 1 16:52:36 1993

82/128 08-MAY 0230:00 - 1030:00 HEAD= RL RPA= 0 to 1000 BIAS= A



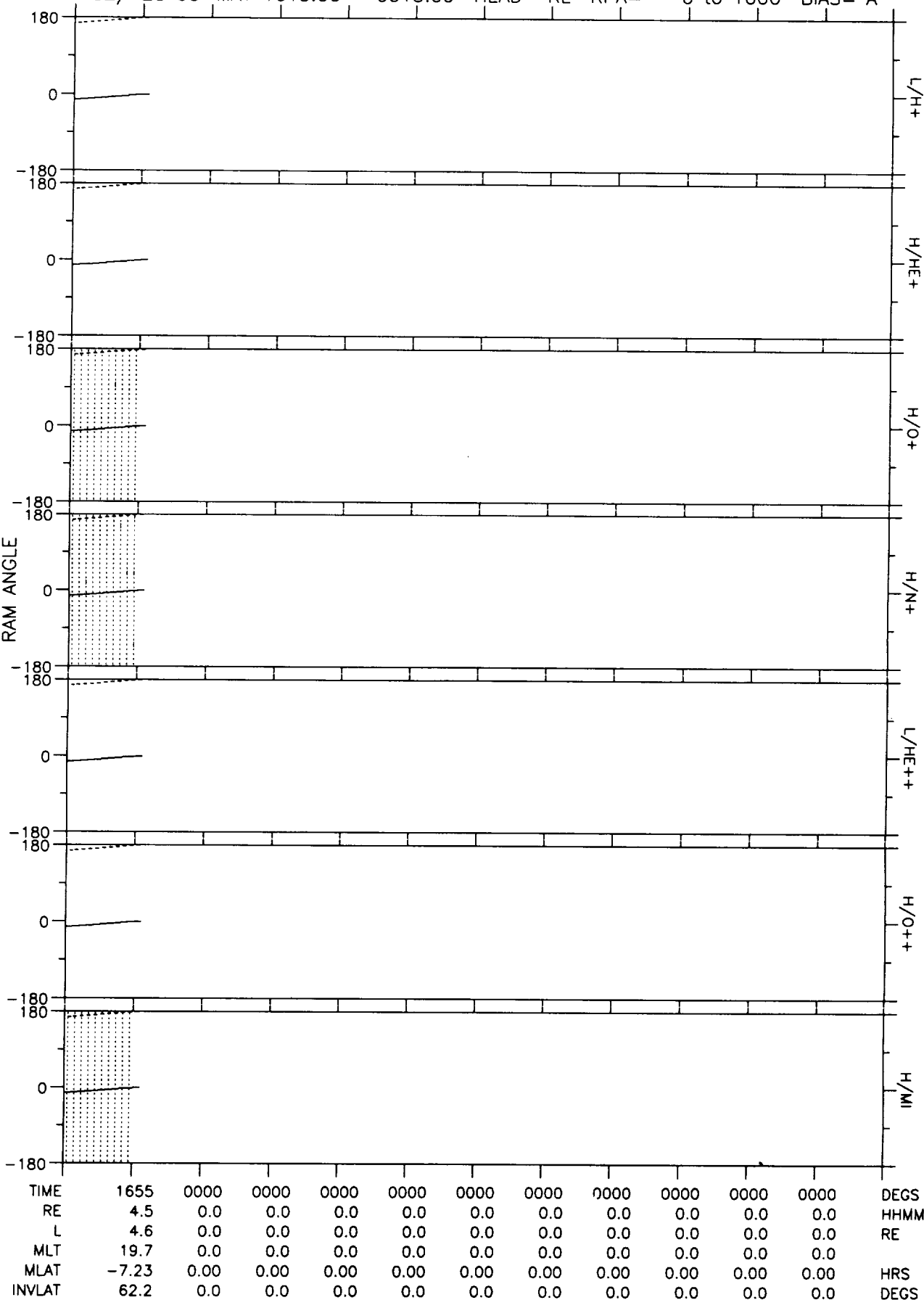
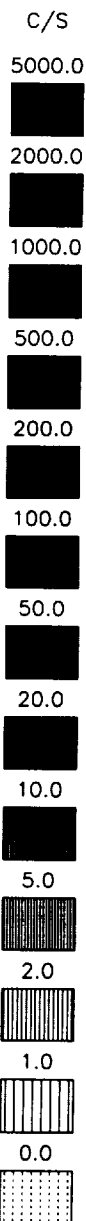
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Fri Oct 1 16:55:16 1993

82/128 08-MAY 0930:00 - 1730:00 HEAD= RL RPA= 0 to 1000 BIAS= A



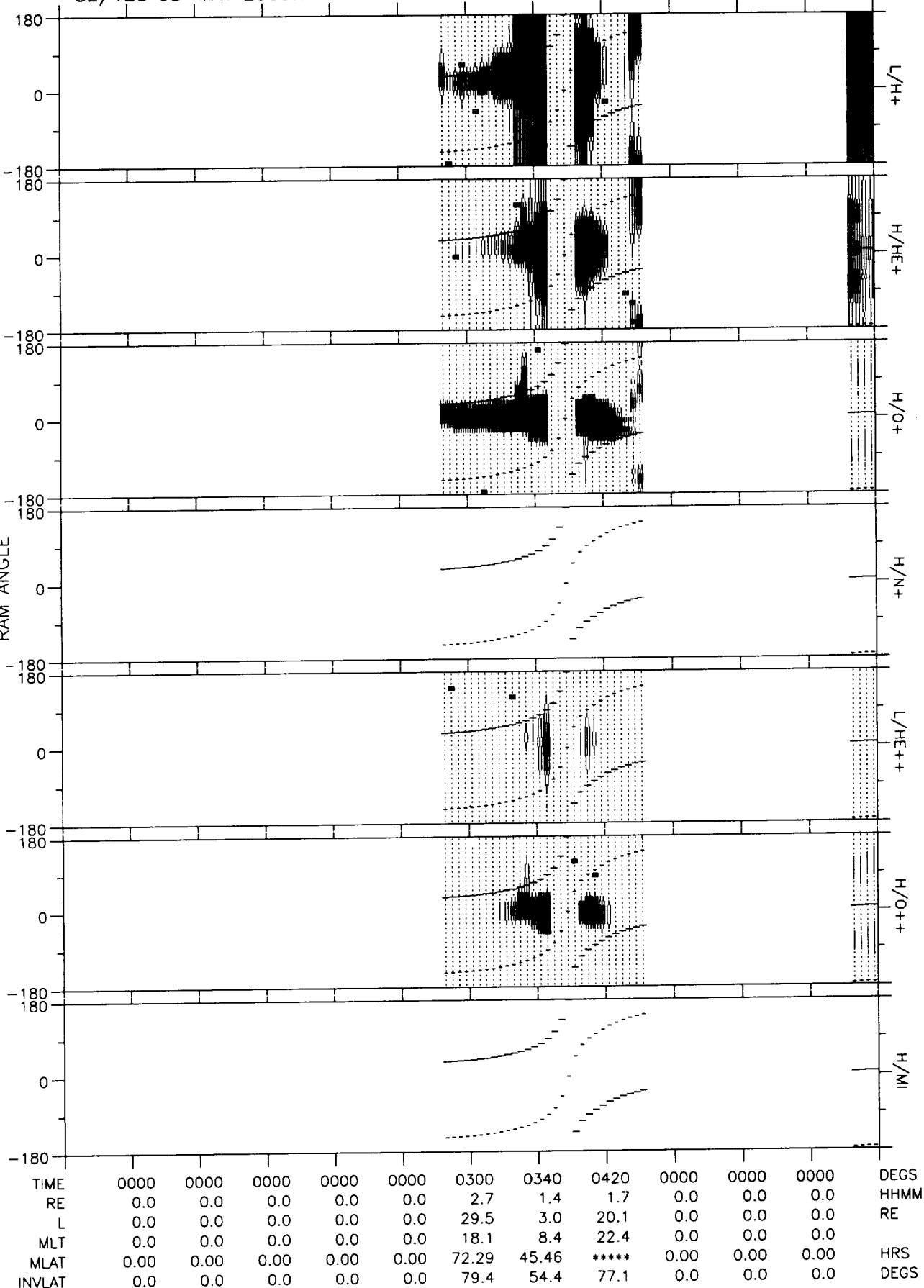
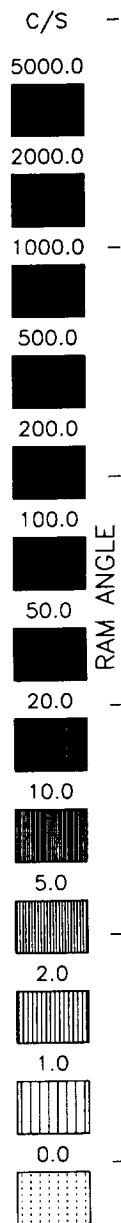
DE RIMS SPIN SUMMARY
SPIN_RAOULALL (V1.0)
Fri Oct 1 16:57:20 1993

82/128 08-MAY 1615:00 - 0015:00 HEAD= RL RPA= 0 to 1000 BIAS= A



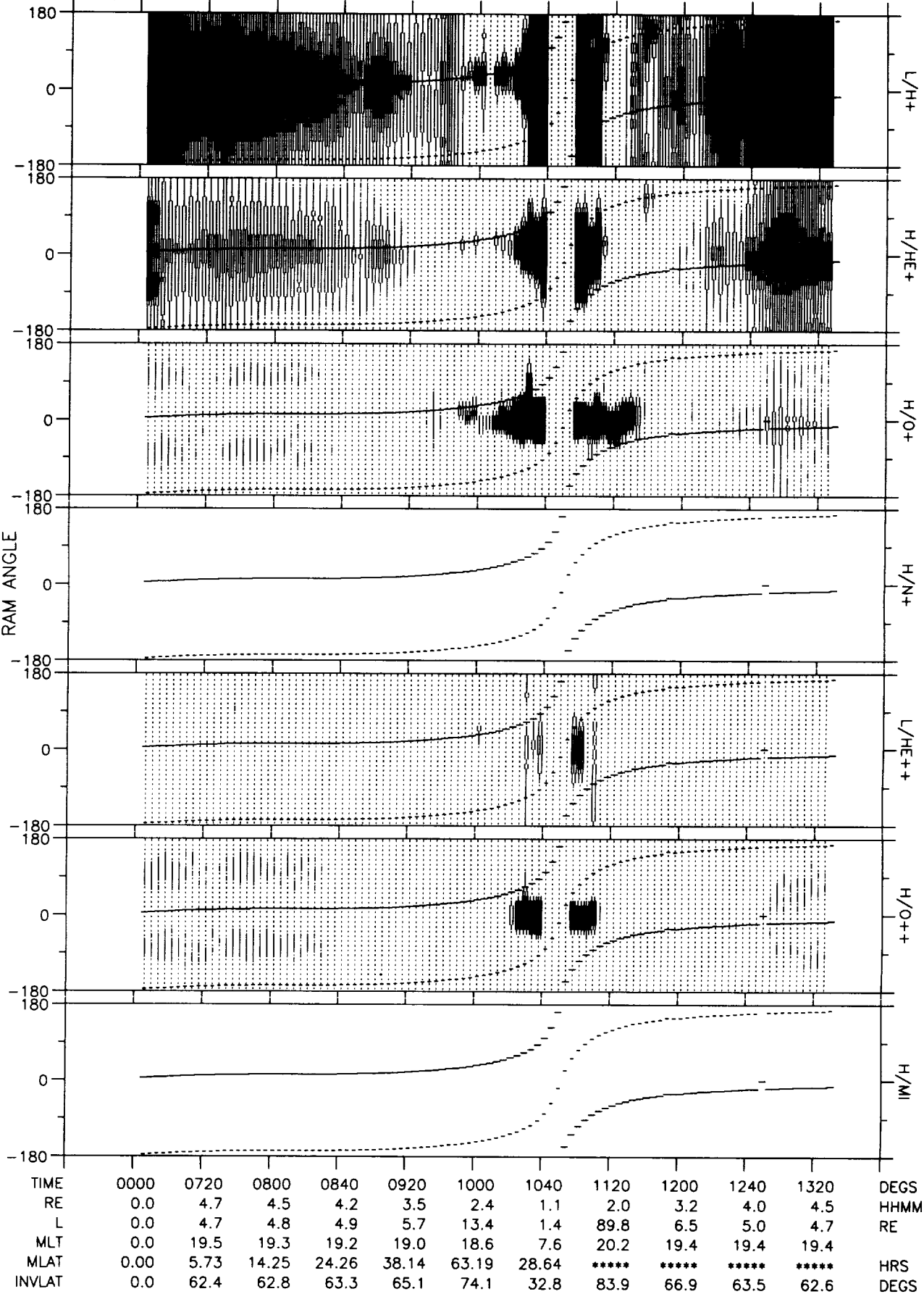
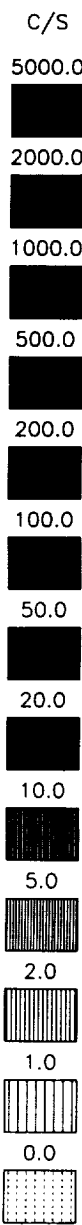
DE RIMS SPIN SUMMARY
SPIN-RADIAL-ALL (V1.0)
Fri Oct 1 17:14:19 1993

82/128 08-MAY 2300:00 - 0700:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RUS SPIN SUMMARY
SPIN RADIAL (V1.0)
Fri Oct 1 17:15:56 1993

82/129 09-MAY 0600:00 - 1400:00 HEAD= RL RPA= 0 to 1000 BIAS= A

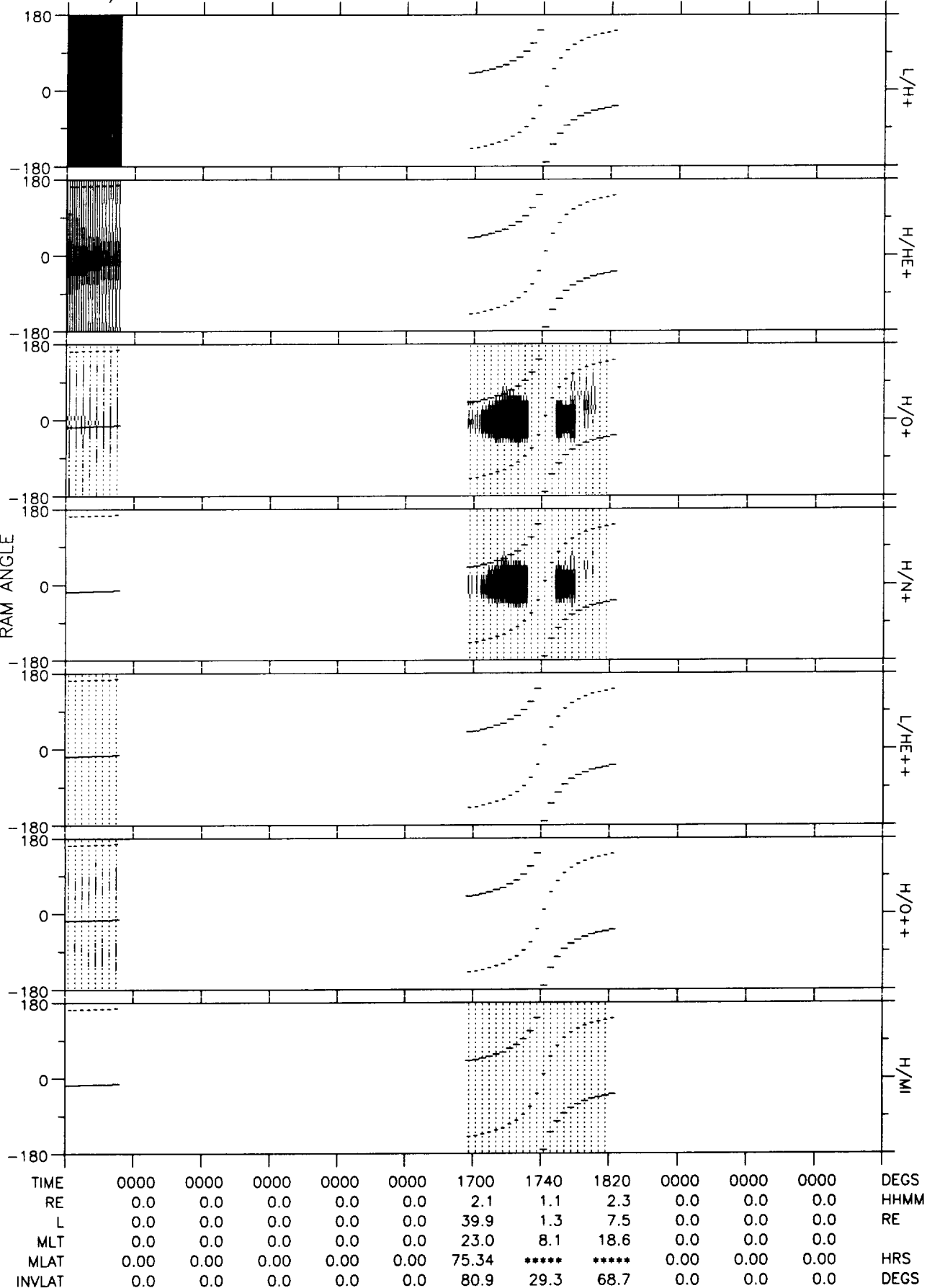


DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Fri Oct 1 17:18:30 1993

82/129 09-MAY 1300:00 - 2100:00 HEAD= RL RPA= 0 to 1000 BIAS= A

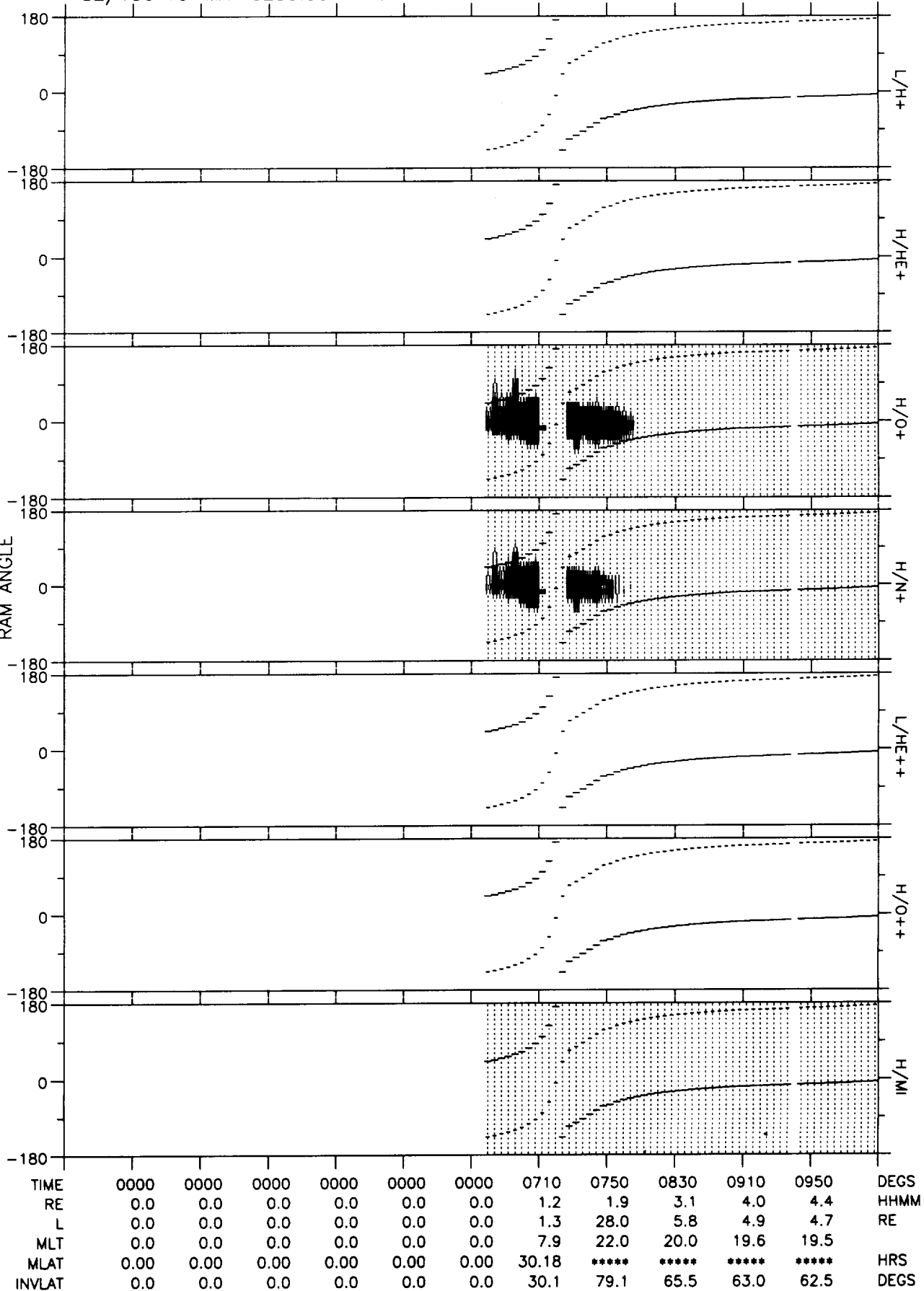
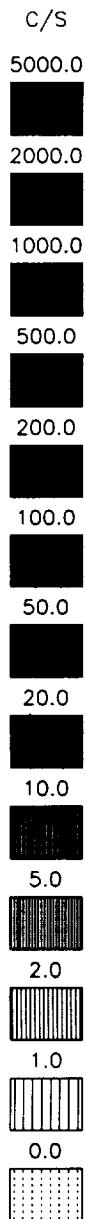
C/S
5000.0
2000.0
1000.0
500.0
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.0

RAM ANGLE



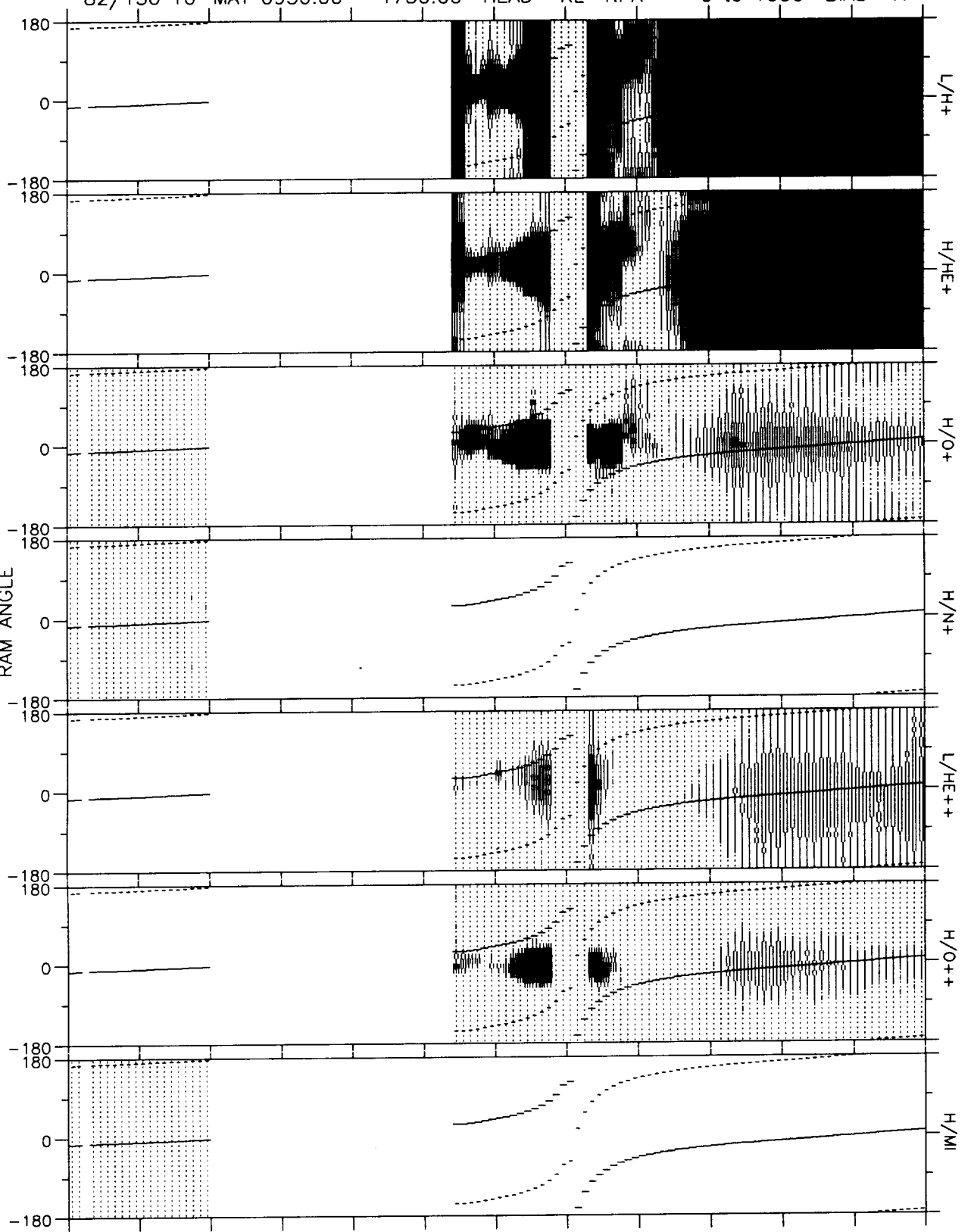
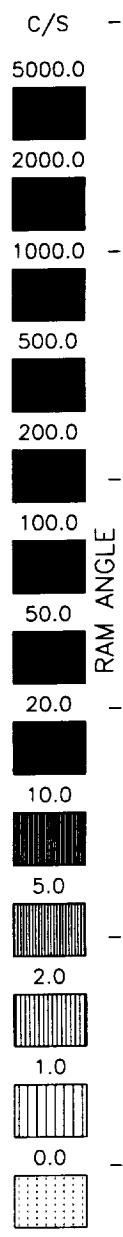
DE RIMS SPIN SUMMARY
SPIN/RADIAL ALL (V1.0)
Fri Oct 1 17:19:54 1993

82/130 10-MAY 0230:00 - 1030:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN/RADIAL (V1.0)
Fri Oct 1 17:21:21 1993

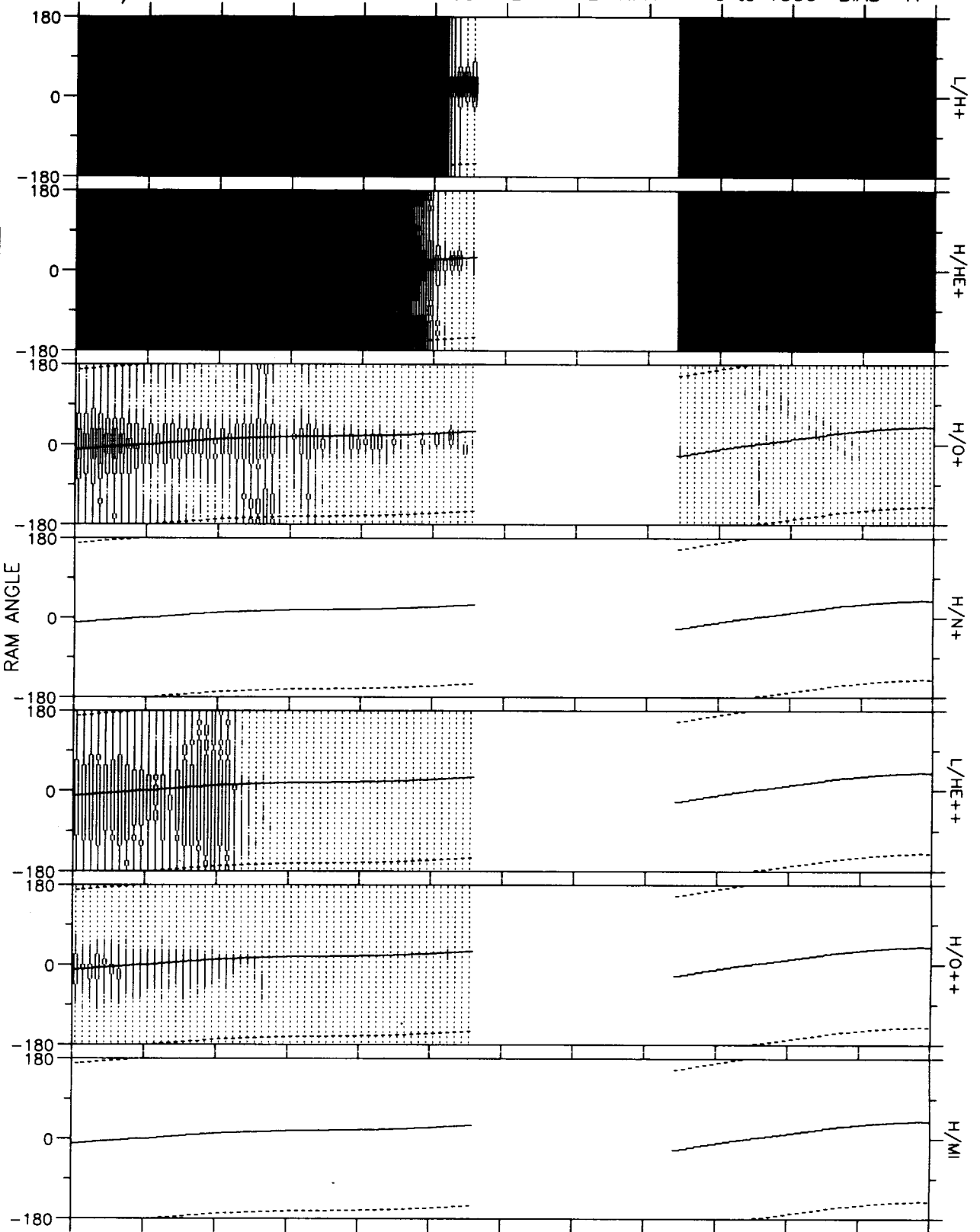
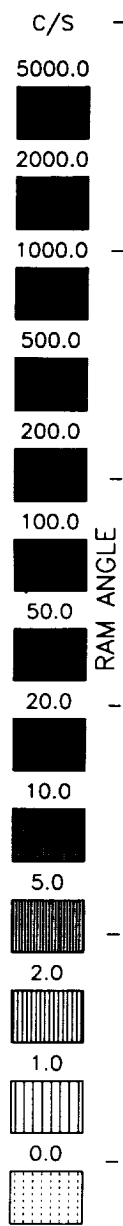
82/130 10-MAY 0930:00 - 1730:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	1010	0000	0000	0000	0000	1330	1410	1450	1530	1610	1650	DEGS
RE	4.6	0.0	0.0	0.0	0.0	2.2	1.1	2.3	3.4	4.1	4.5	HHMM
L	4.6	0.0	0.0	0.0	0.0	22.0	1.1	15.5	5.4	4.7	4.6	RE
MLT	19.4	0.0	0.0	0.0	0.0	20.2	7.5	18.2	19.1	19.3	19.6	
MLAT	-9.72	0.00	0.00	0.00	0.00	69.73	-5.77	****	****	****	-6.44	HRS
INVLAT	62.3	0.0	0.0	0.0	0.0	77.7	17.6	75.3	64.6	62.5	62.3	DEGS

DE RMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Fri Oct 1 17:38:01 1993

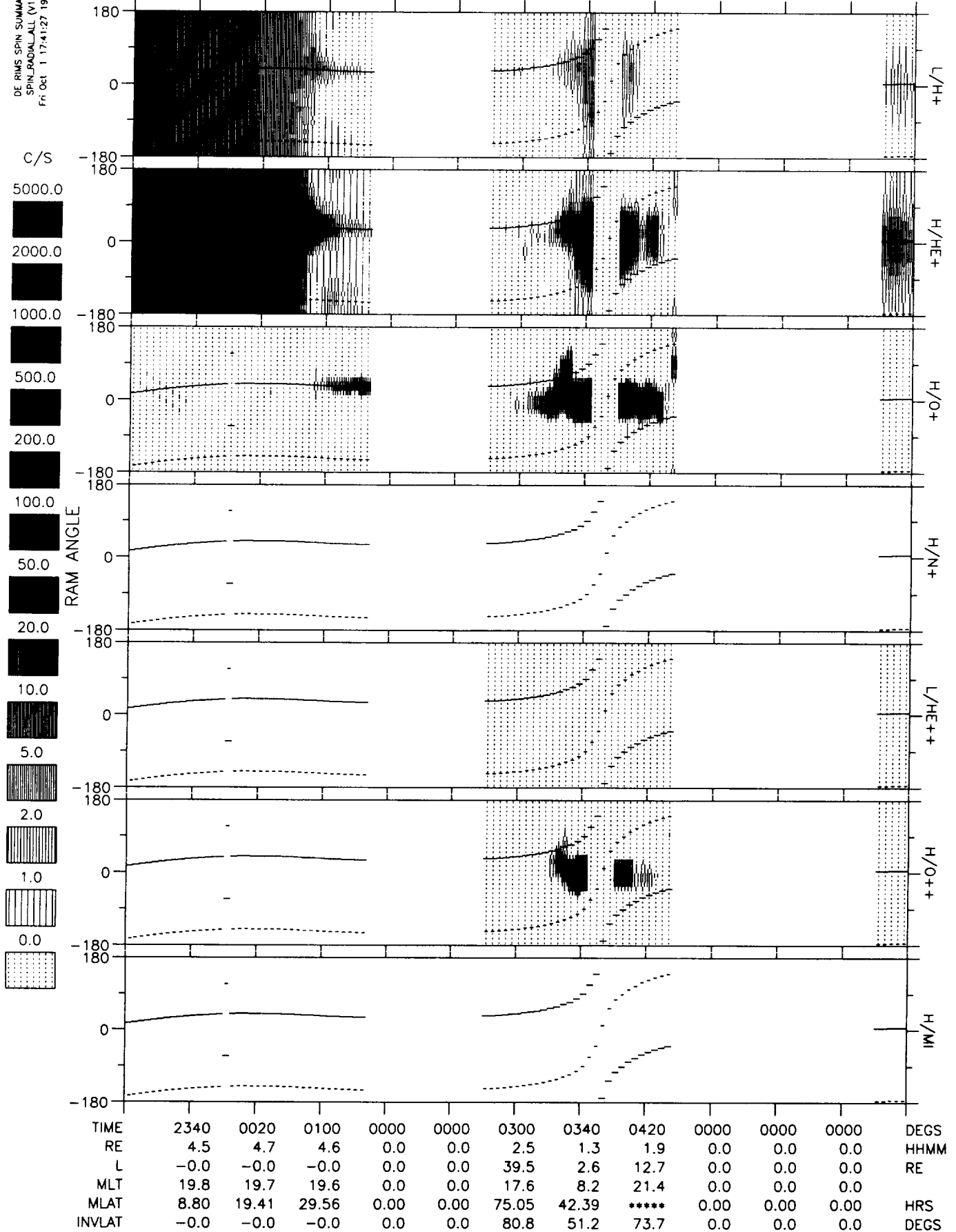
82/130 10-MAY 1615:00 - 0015:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	1655	1735	1815	1855	1935	0000	0000	0000	2215	2255	2335	DEGS
RE	4.6	4.7	4.5	4.1	3.4	0.0	0.0	0.0	3.3	4.0	4.5	HHMM
L	4.6	4.8	5.1	5.7	7.8	0.0	0.0	0.0	-0.0	-0.0	-0.0	RE
MLT	19.6	19.8	20.0	20.3	20.7	0.0	0.0	0.0	19.6	19.8	19.8	HRS
MLAT	-4.88	7.34	19.63	33.20	50.29	0.00	0.00	0.00	*****	-5.35	7.36	DEGS
INVLAT	62.3	62.7	63.6	65.3	69.0	0.0	0.0	0.0	-0.0	-0.0	-0.0	

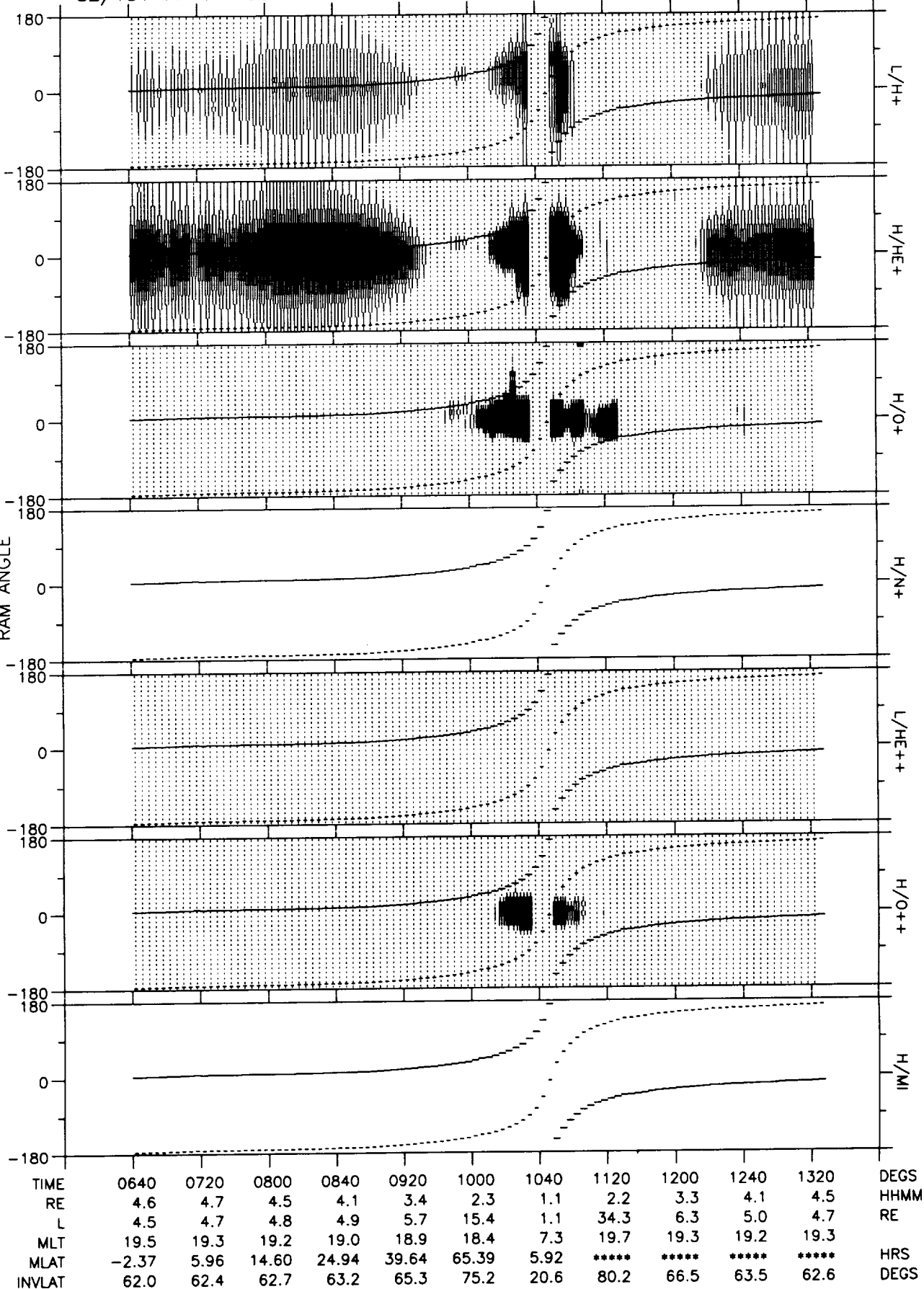
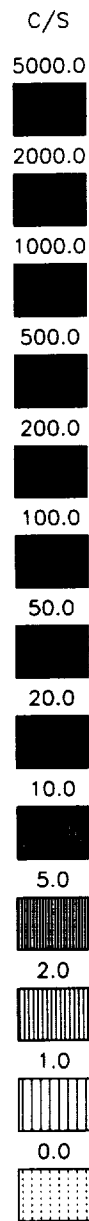
DE RIMS SPIN SUMMARY
SPIN_RADIALALL (V1.0)
Fri Oct 1 17:41:27 1993

82/130 10-MAY 2300:00 - 0700:00 HEAD= RL RPA= 0 to 1000 BIAS= A



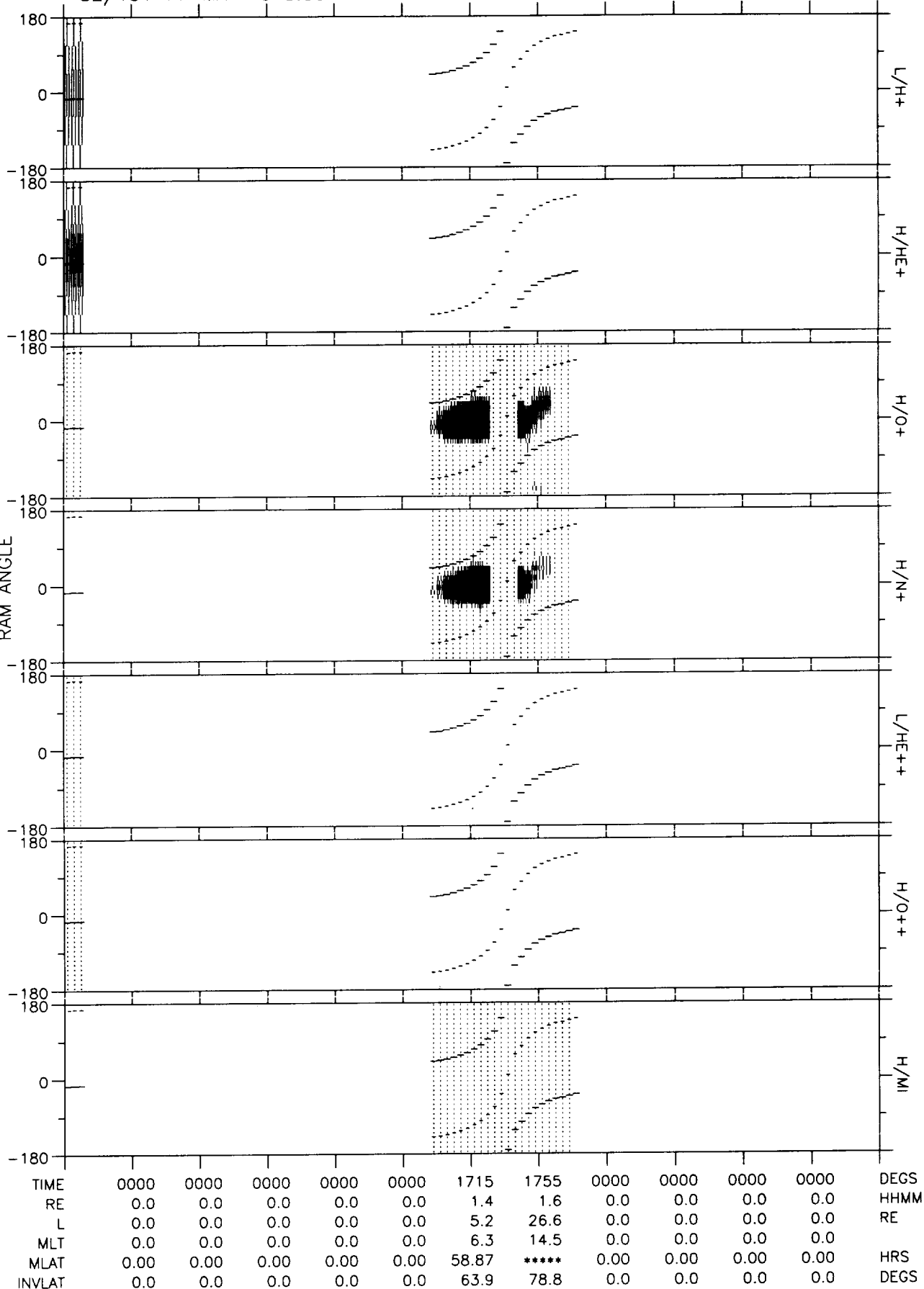
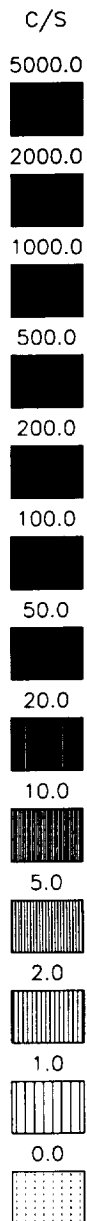
DE RIMS SPIN SUMMARY
SPIN-RADIAL-ALL (V1.0)
Fri Oct 1 17:43:34 1993

82/131 11-MAY 0600:00 - 1400:00 HEAD= RL RPA= 0 to 1000 BIAS= A



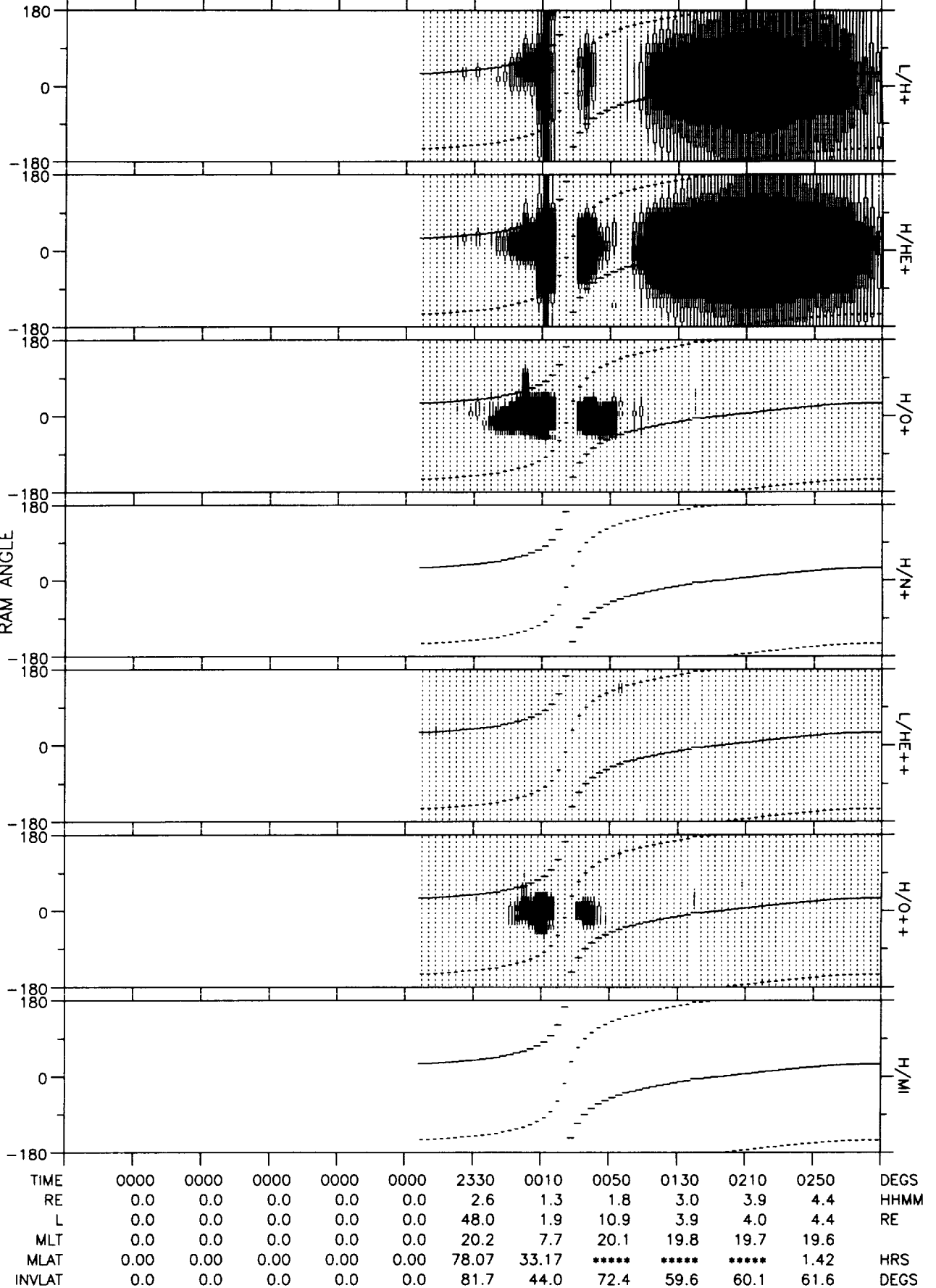
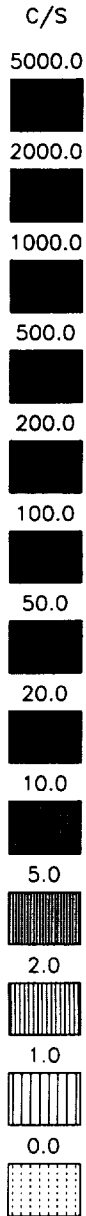
DE RIMS SPIN SUMMARY
SPIN_RADIALALL (V1.0)
Fri Oct 1 17:45:46 1993

82/131 11-MAY 1315:00 - 2115:00 HEAD= RL RPA= 0 to 1000 BIAS= A



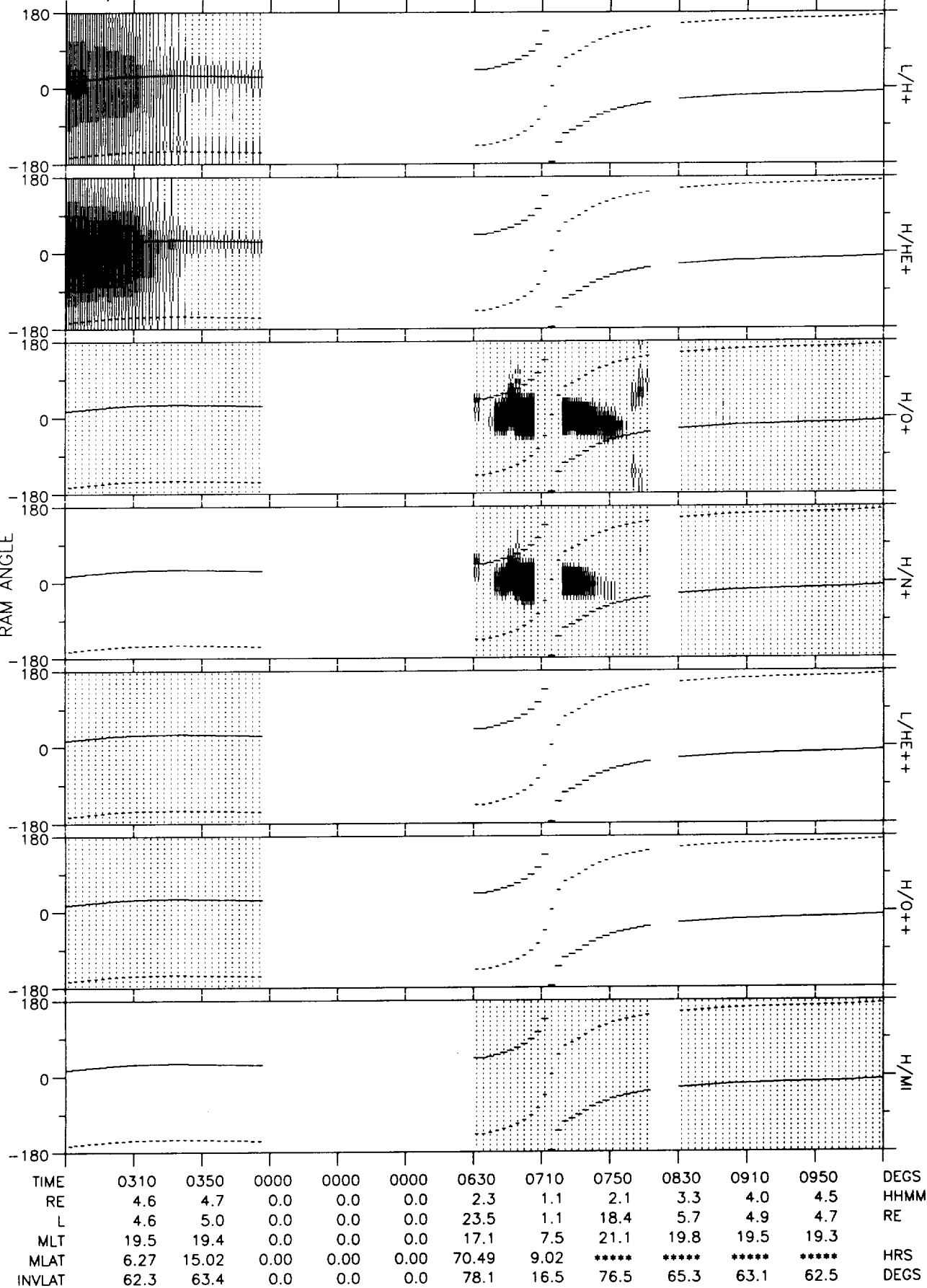
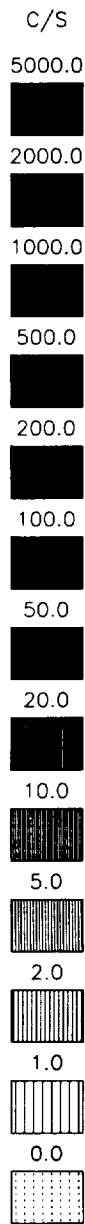
DE RIMS SPIN SUMMARY
SPIN RADIAL (V1.0)
Fri Oct 1 17:47:02 1993

82/131 11-MAY 1930:00 - 0330:00 HEAD= RL RPA= 0 to 1000 BIAS= A



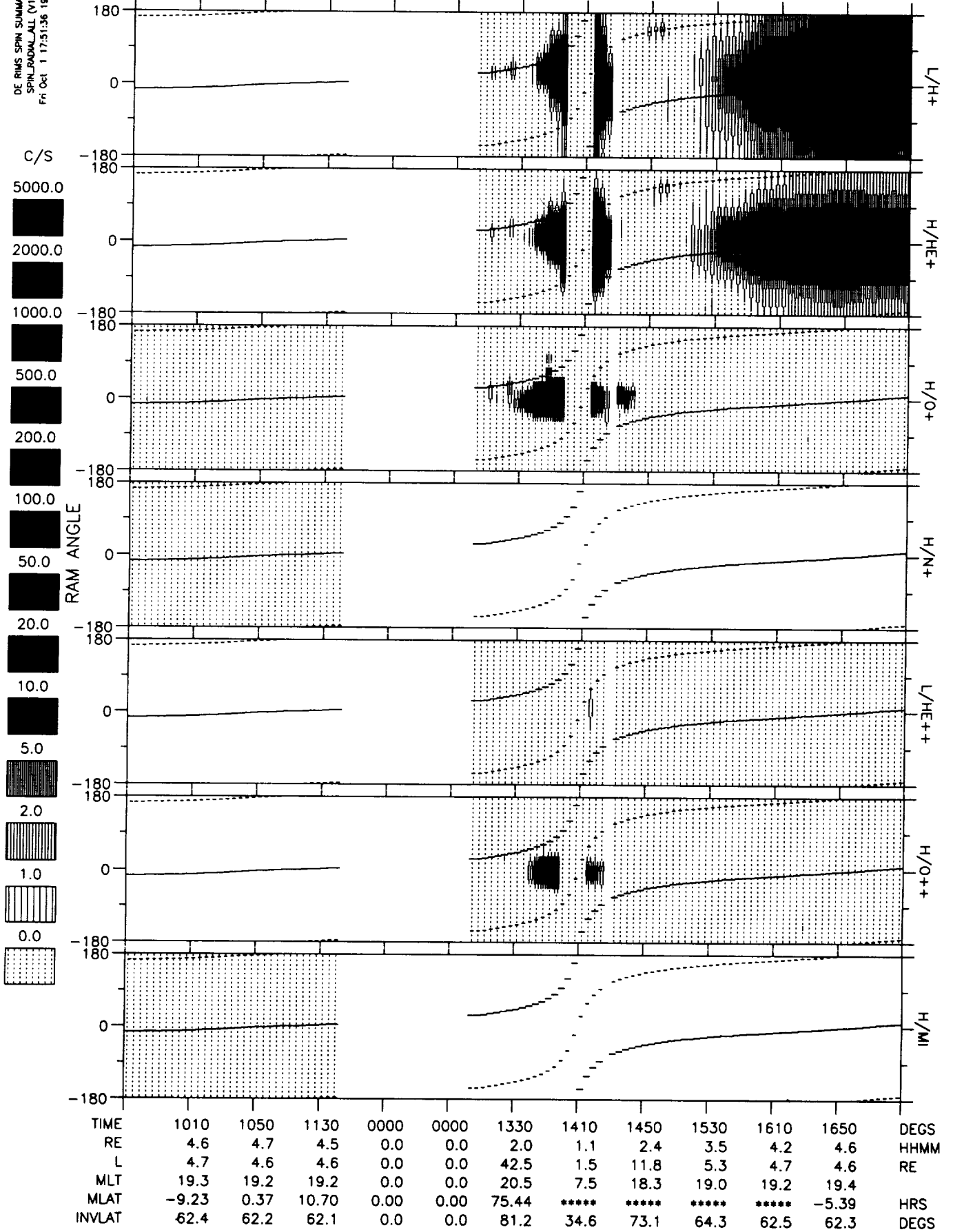
DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Fri Oct 1 17:49:49 1993

82/132 12-MAY 0230:00 - 1030:00 HEAD= RL RPA= 0 to 1000 BIAS= A



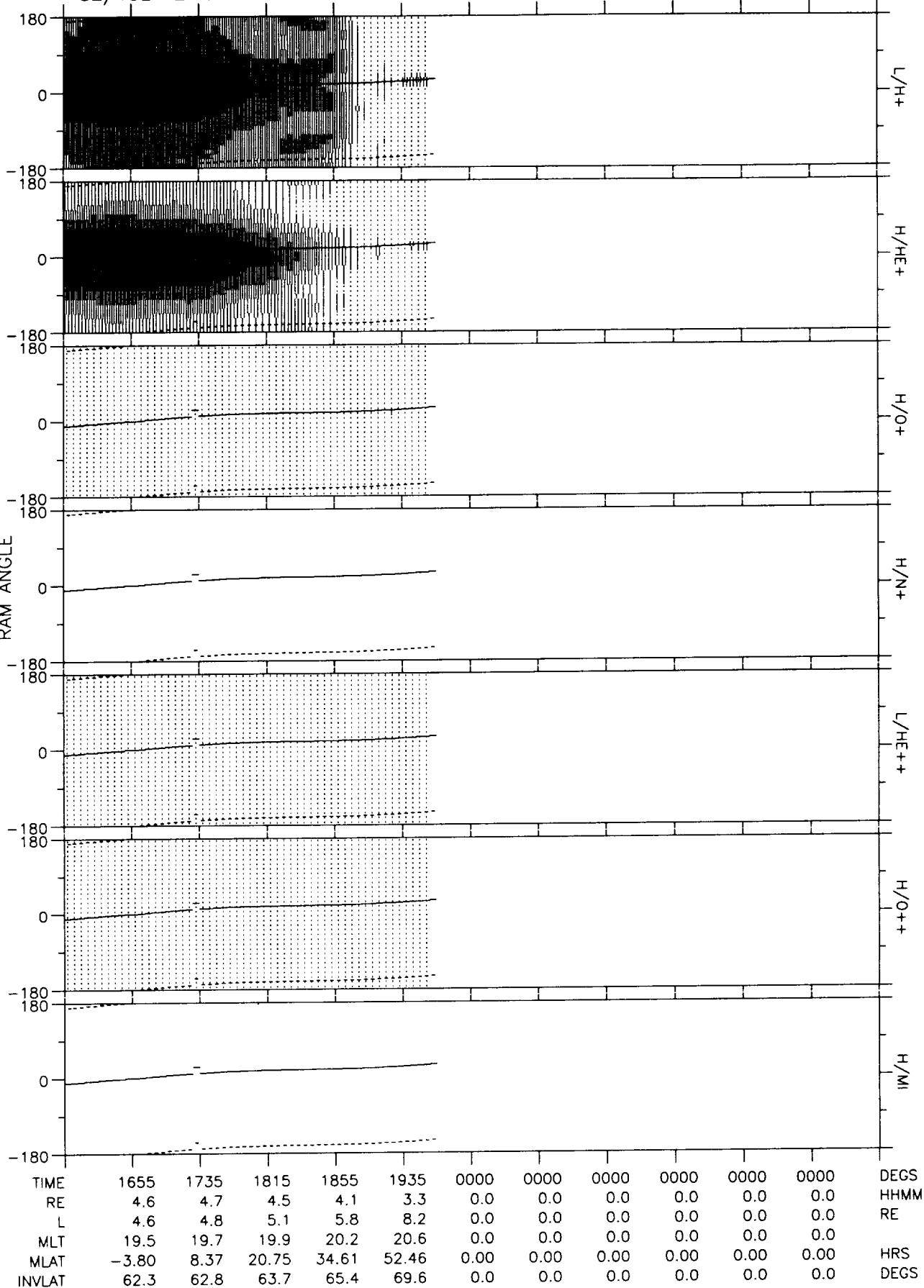
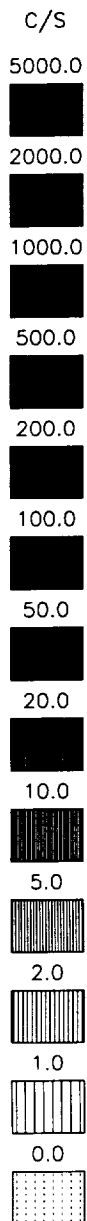
DE RIMS SPIN SUMMARY
SPIN_RADIALALL (V1.0)
Fri Oct 1 17:51:36 1993

82/132 12-MAY 0930:00 - 1730:00 HEAD= RL RPA= 0 to 1000 BIAS= A



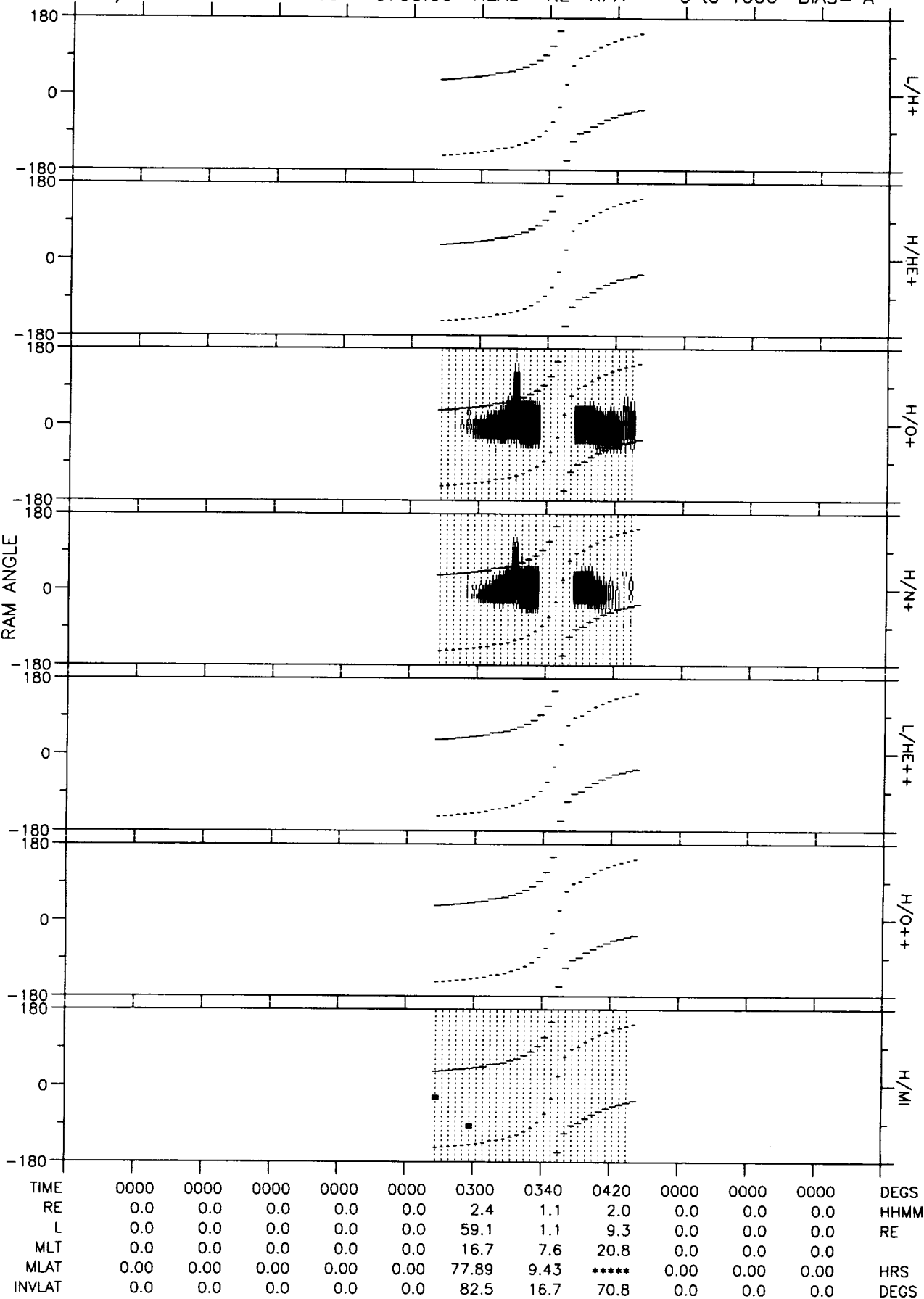
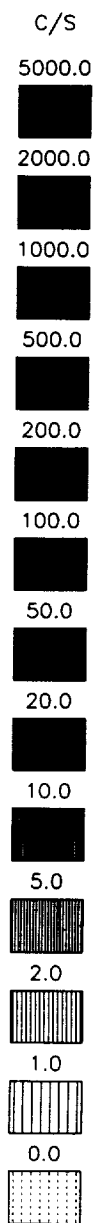
DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Fri Oct 1 17:53:49 1993

82/132 12-MAY 1615:00 - 0015:00 HEAD= RL RPA= 0 to 1000 BIAS= A



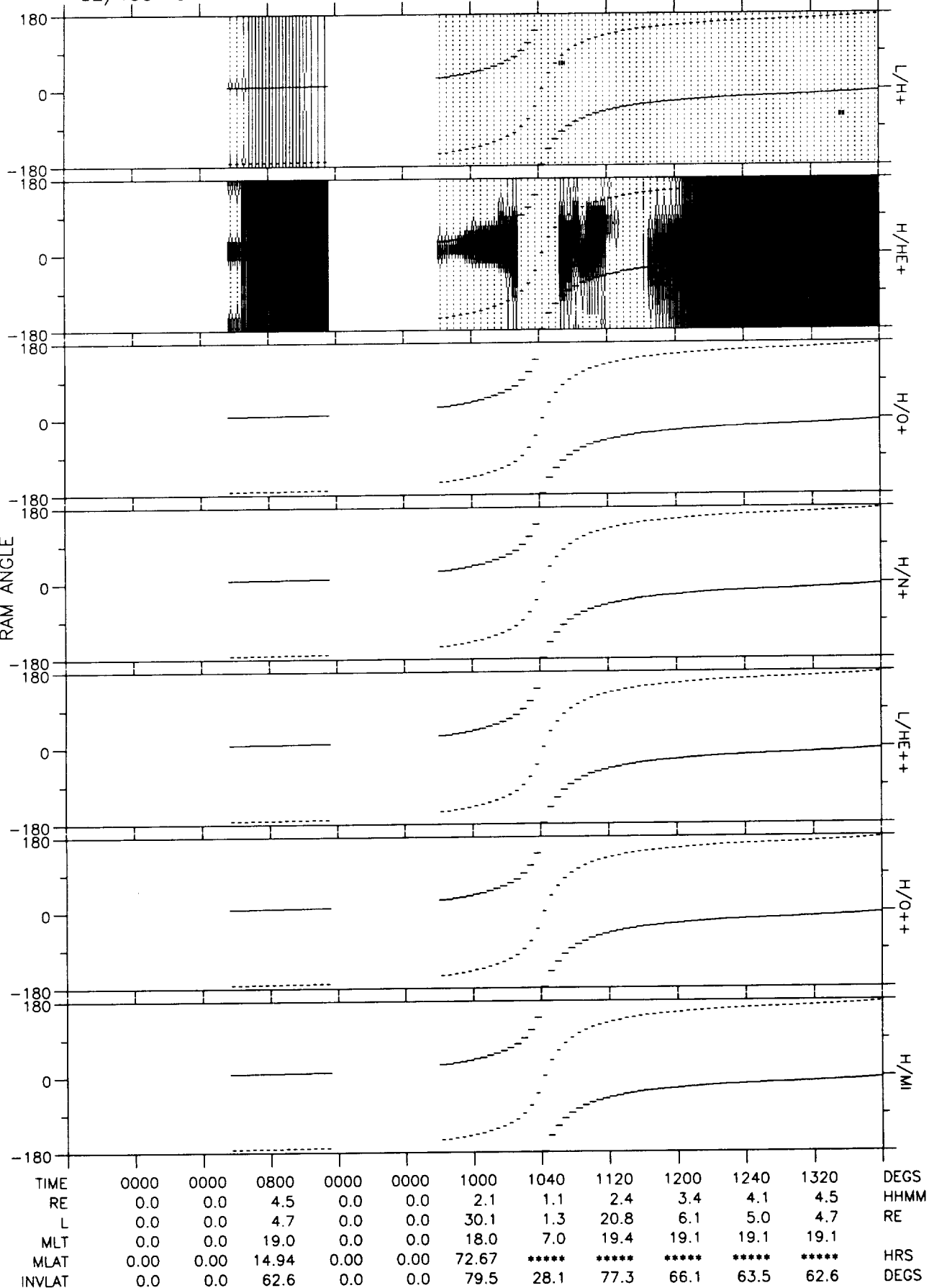
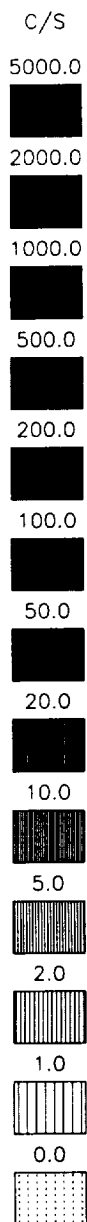
DE RIMS SPIN SUMMARY
SPINRADIALALL (V1.0)
Fri Oct 1 17:55:42 1993

82/132 12-MAY 2300:00 - 0700:00 HEAD= RL RPA= 0 to 1000 BIAS= A



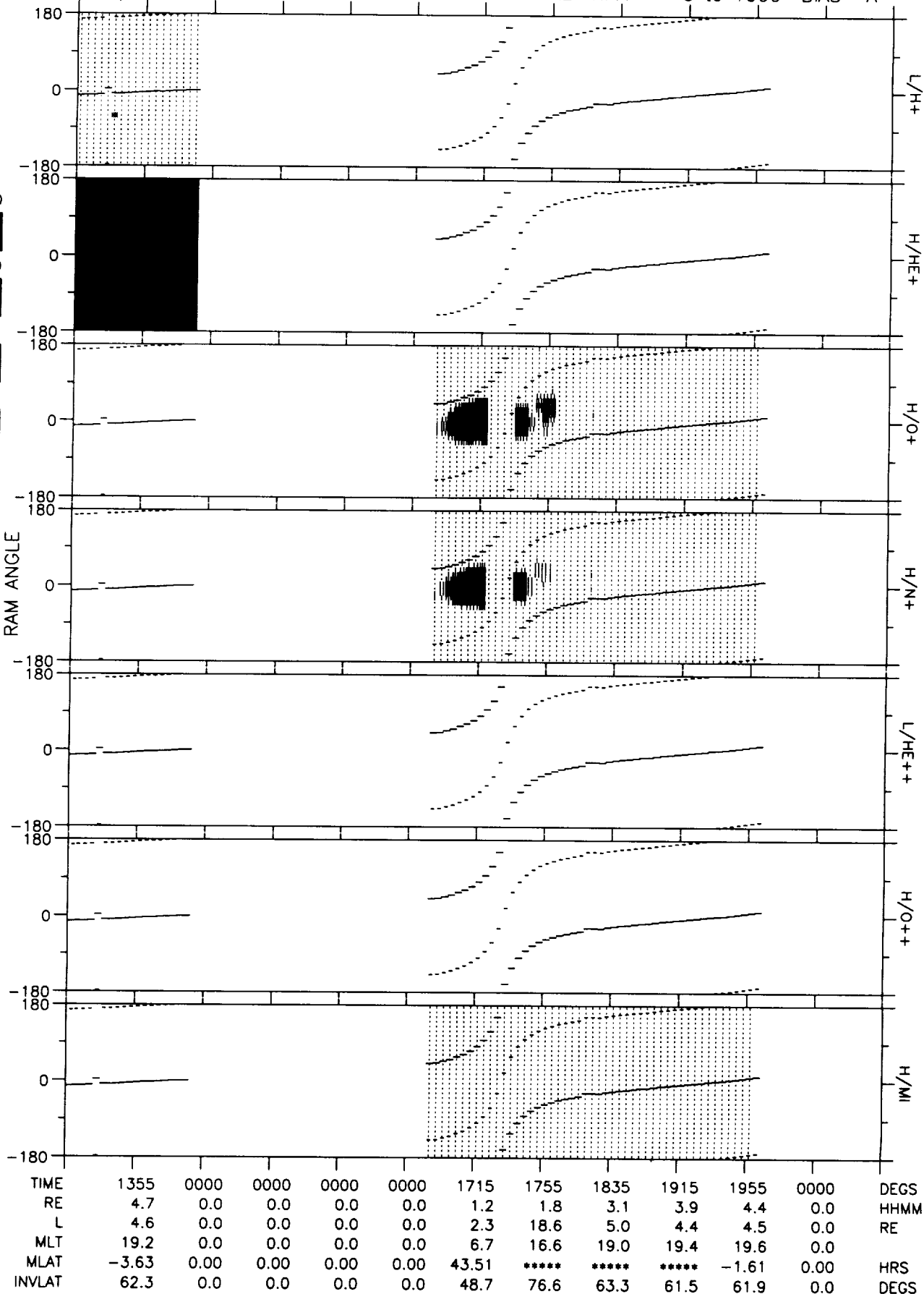
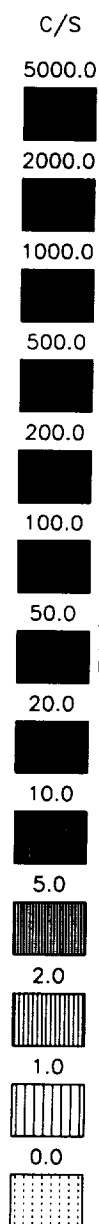
DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Tue Oct 5 14:45:24 1993

82/133 13-MAY 0600:00 - 1400:00 HEAD= RL RPA= 0 to 1000 BIAS= A



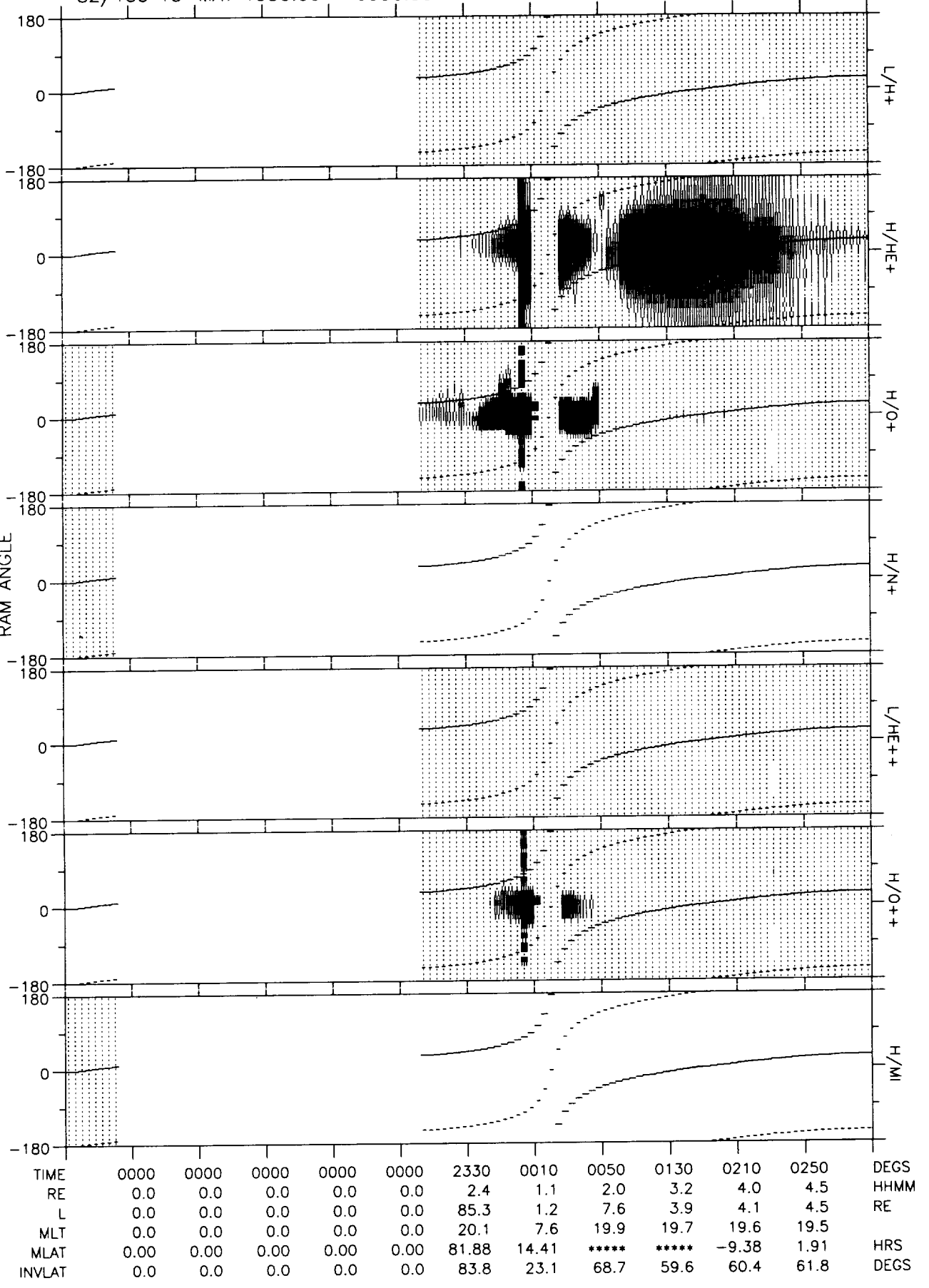
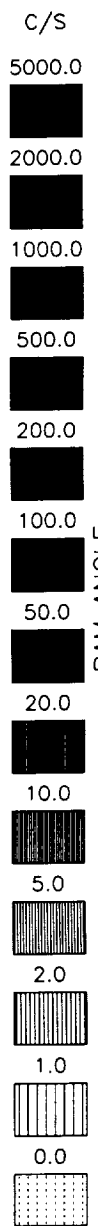
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Tue Oct 5 14:49:20 1993

82/133 13-MAY 1315:00 - 2115:00 HEAD= RL RPA= 0 to 1000 BIAS= A



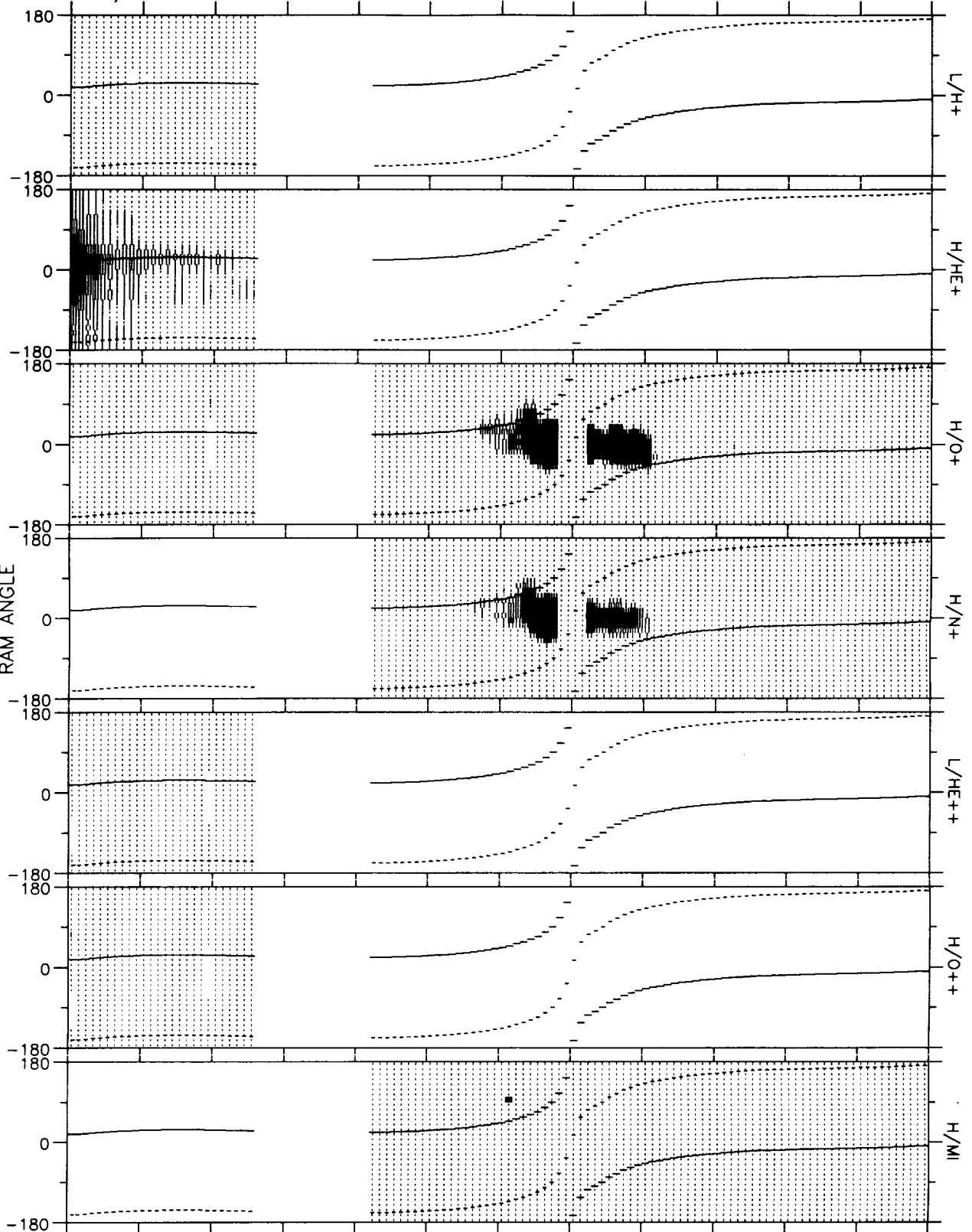
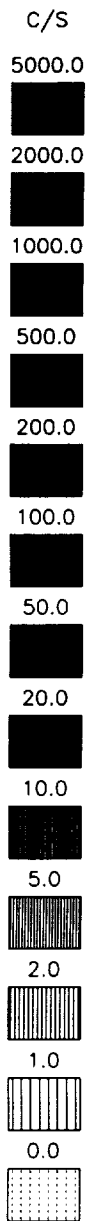
DE RIMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Tue Oct 5 14:52:22 1993

82/133 13-MAY 1930:00 - 0330:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Tue Oct 5 14:57:19 1993

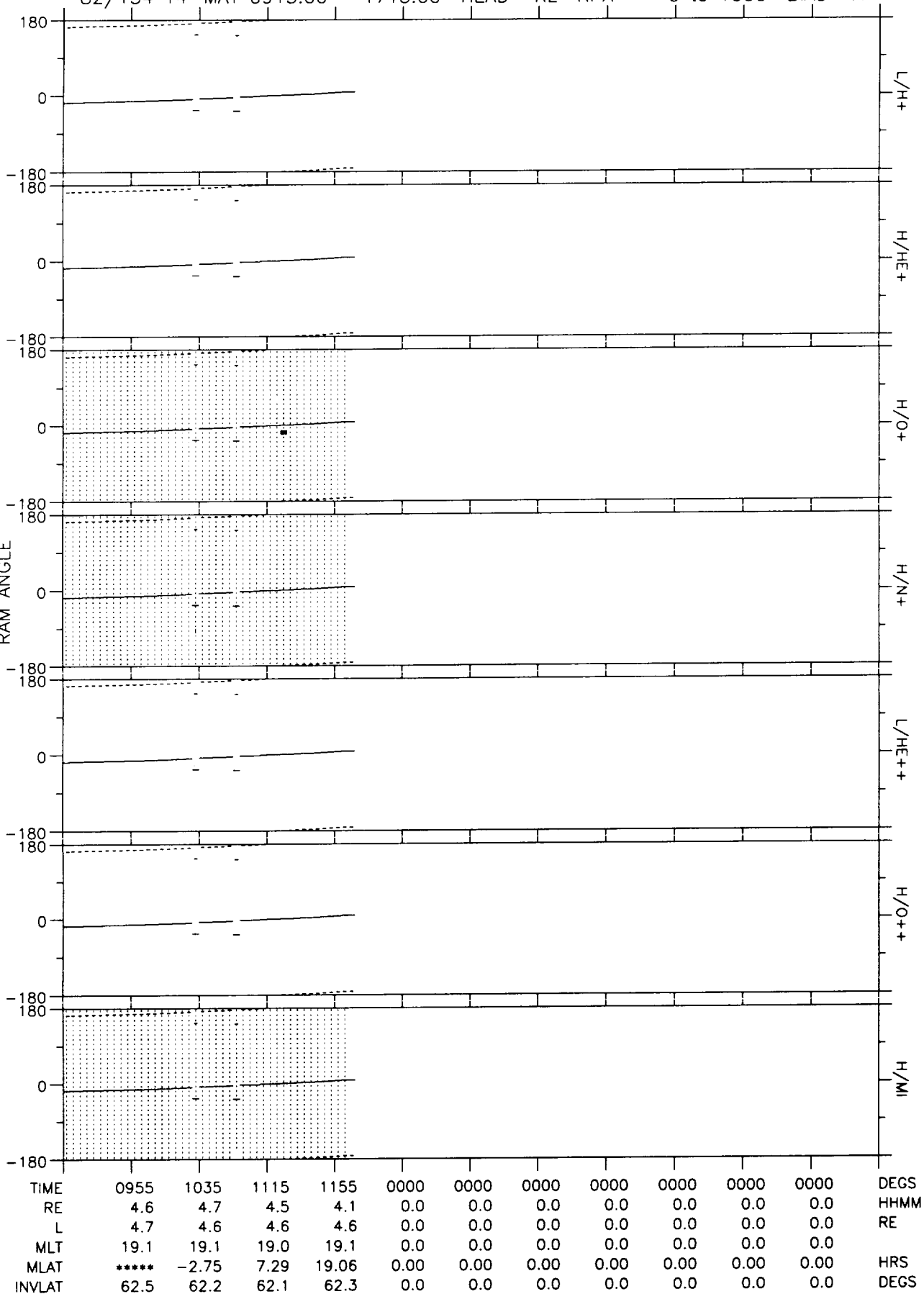
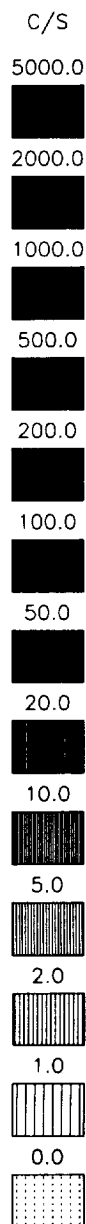
82/134 14-MAY 0230:00 - 1030:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0310	0350	0000	0000	0550	0630	0710	0750	0830	0910	0950	DEGS
RE	4.6	4.7	0.0	0.0	3.3	2.1	1.1	2.3	3.4	4.1	4.5	HHMM
L	4.7	5.0	0.0	0.0	7.3	35.4	1.4	13.7	5.6	4.9	4.7	RE
MLT	19.4	19.2	0.0	0.0	18.4	16.3	7.0	20.6	19.6	19.3	19.2	
MLAT	6.63	15.29	0.00	0.00	48.08	74.05	*****	*****	*****	*****	*****	HRS
INVLAT	62.4	63.4	0.0	0.0	68.3	80.3	31.4	74.3	65.1	63.2	62.6	DEGS

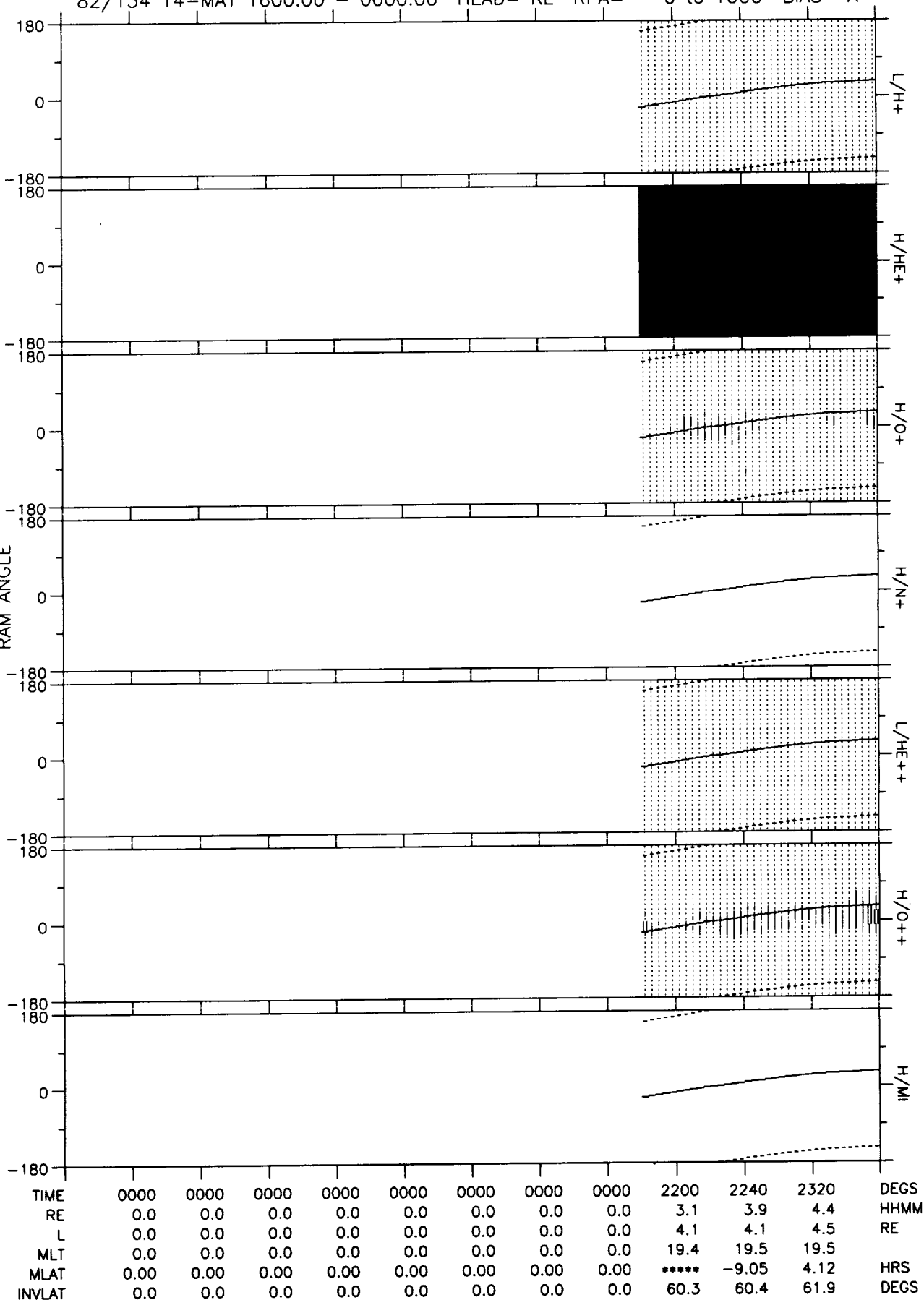
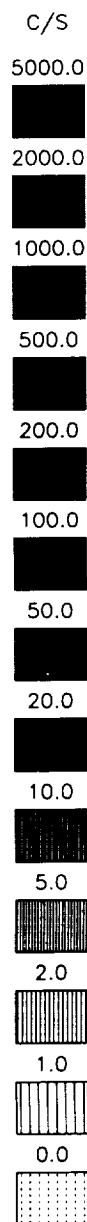
DE RIMS SPIN SUMMARY
SPIN-ADDA-ALL (V1.0)
Tue Oct 5 15:01:06 1993

82/134 14-MAY 0915:00 - 1715:00 HEAD= RL RPA= 0 to 1000 BIAS= A



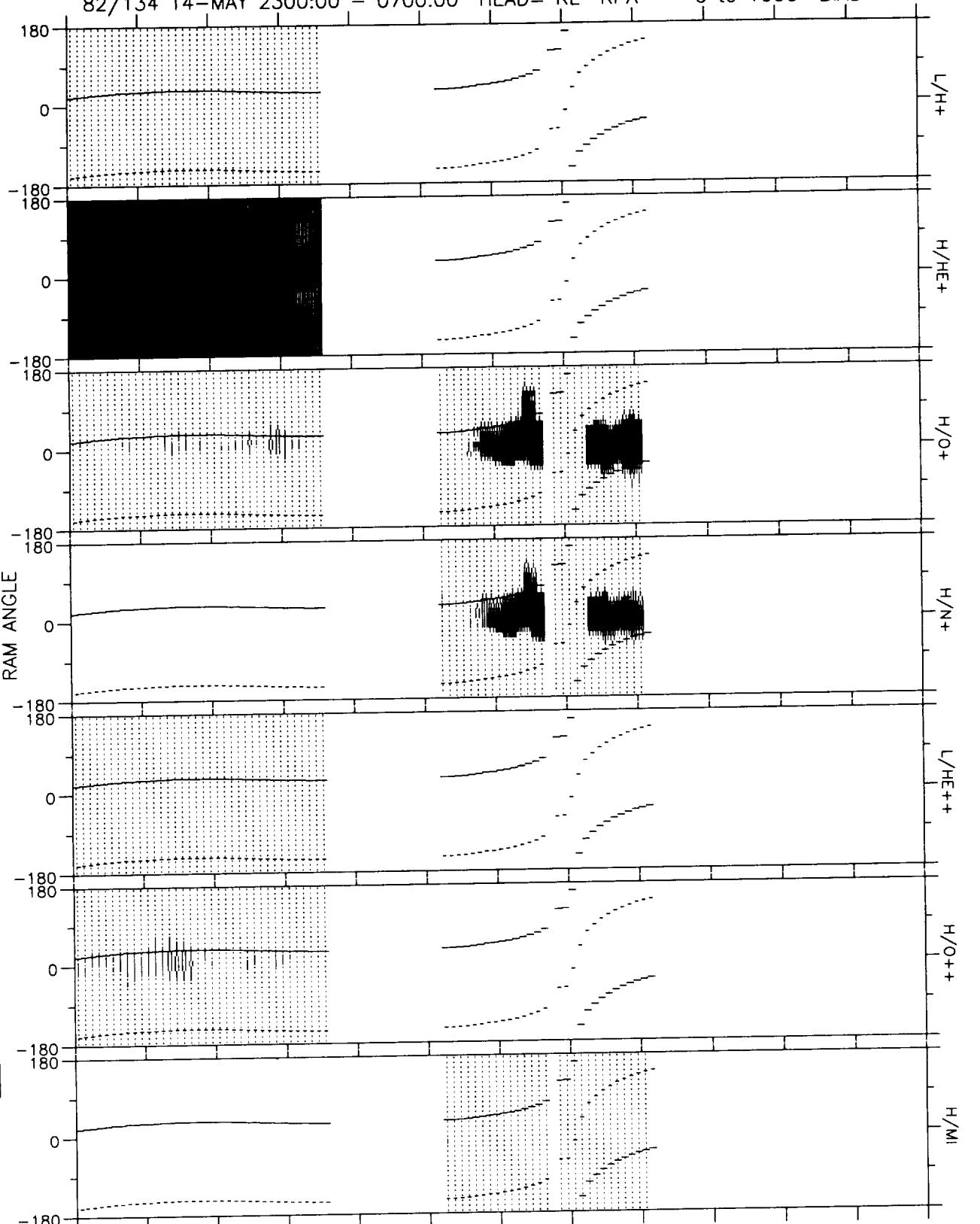
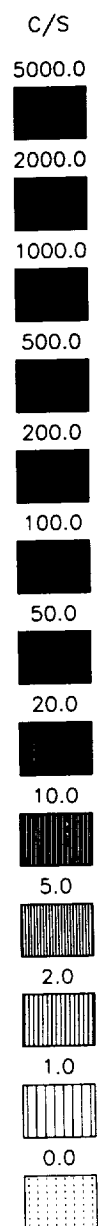
DE RIMS SPIN SUMMARY
SPIN/RADIAL ALL (V1.0)
Tue Oct 5 15:03:49 1993

82/134 14-MAY 1600:00 - 0000:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN-RADIAL-ALL (V1.0)
Tue Oct 5 15:07:29 1993

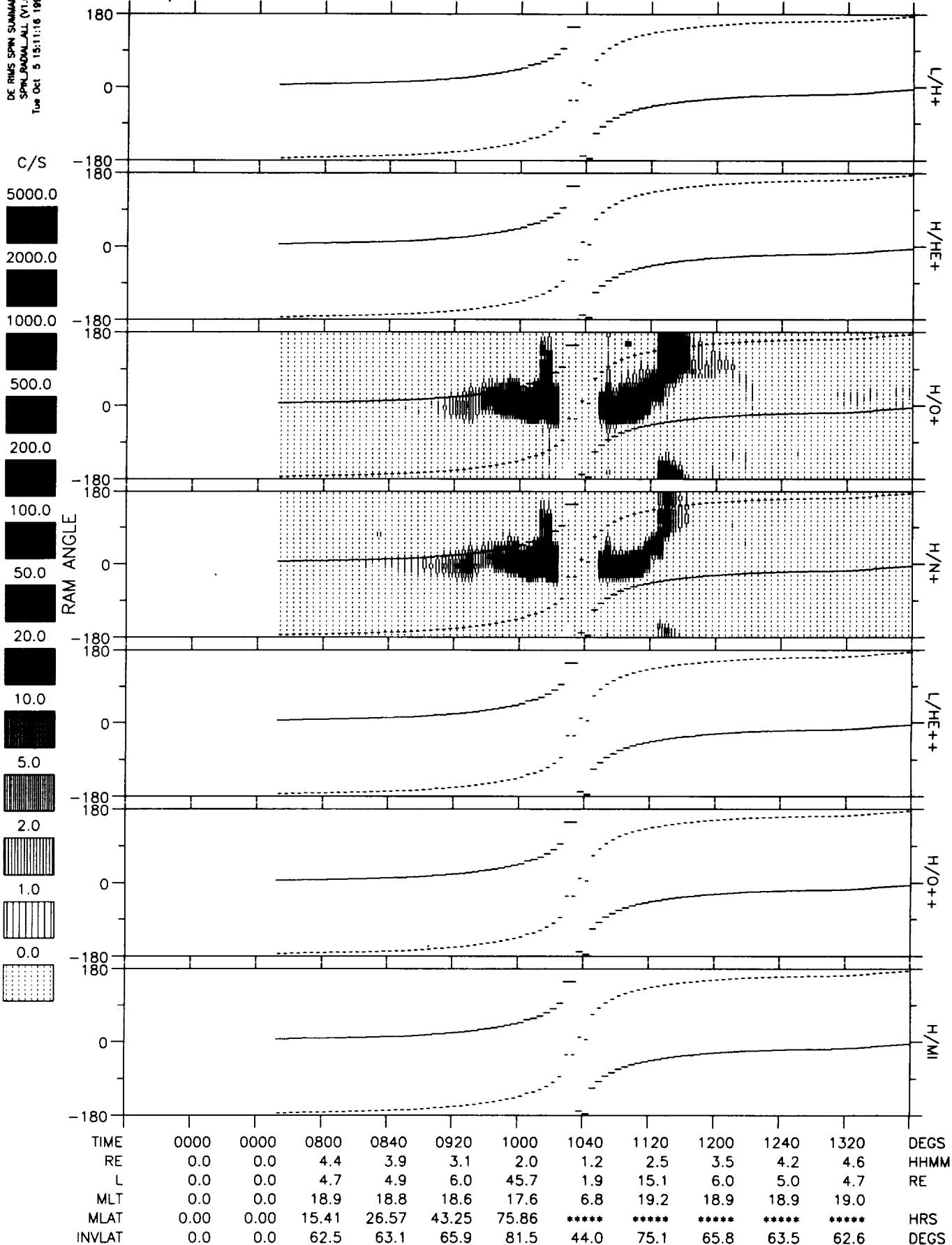
82/134 14-MAY 2300:00 - 0700:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	2340	0020	0100	0000	0000	0300	0340	0420	0000	0000	0000	DEGS
RE	4.6	4.7	4.5	0.0	0.0	2.2	1.1	2.2	0.0	0.0	0.0	HHMM
L	4.8	5.4	6.1	0.0	0.0	99.6	1.1	7.6	0.0	0.0	0.0	RE
MLT	19.5	19.5	19.4	0.0	0.0	15.3	7.2	20.5	0.0	0.0	0.0	
MLAT	9.75	20.11	30.24	0.00	0.00	80.50	*****	*****	0.00	0.00	0.00	HRS
INVLAT	62.8	64.4	66.1	0.0	0.0	84.4	19.8	68.7	0.0	0.0	0.0	DEGS

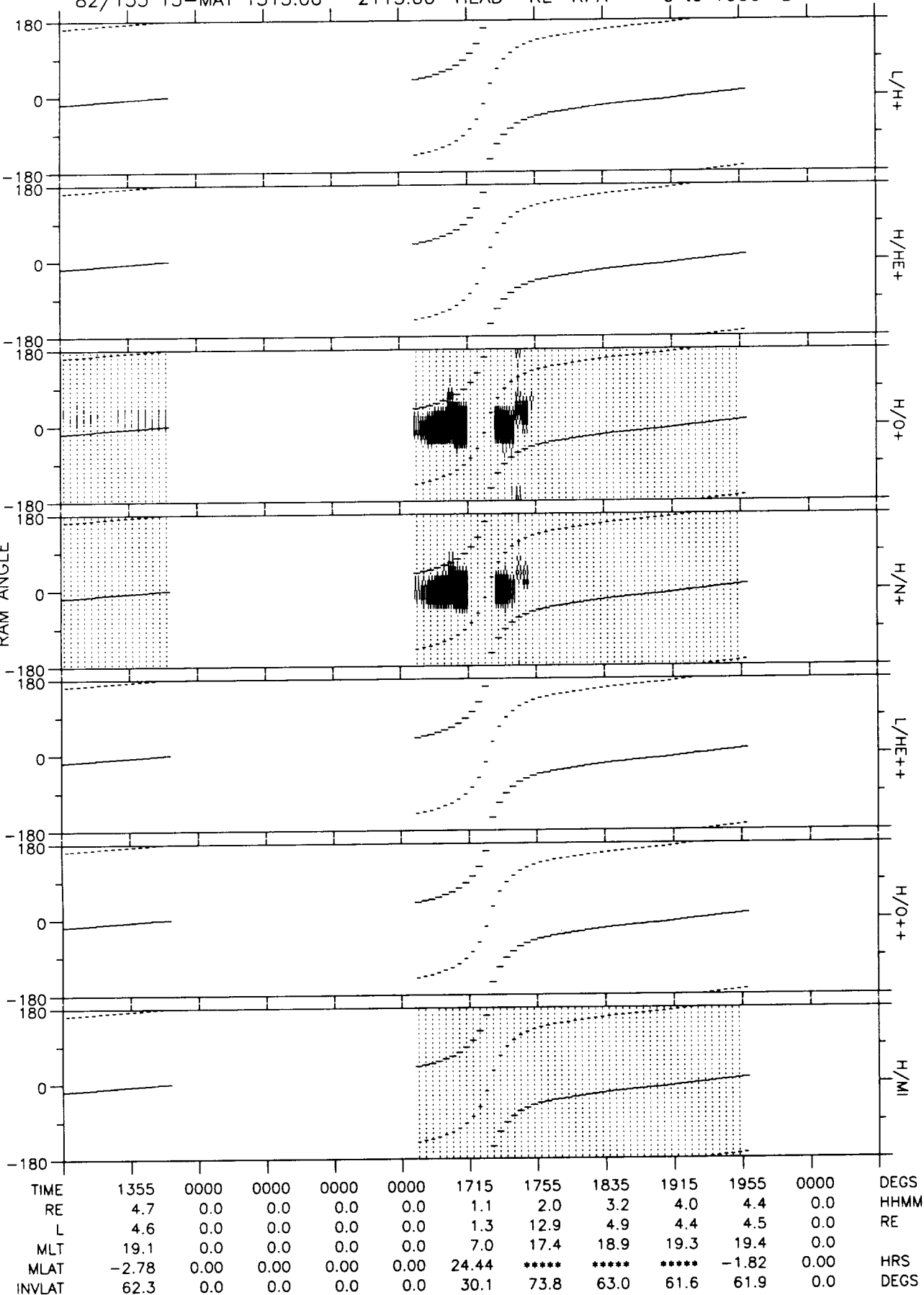
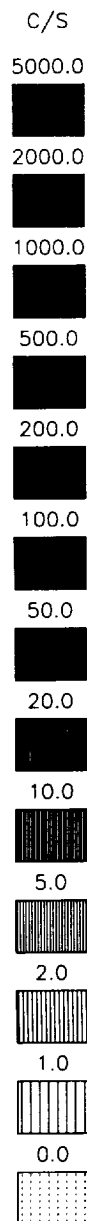
DE RMS SPIN SUMMARY
SPINRADIALALL (V1.0)
Tue Oct 5 15:11:16 1993

82/135 15-MAY 0600:00 - 1400:00 HEAD= RL RPA= 0 to 1000 BIAS= A



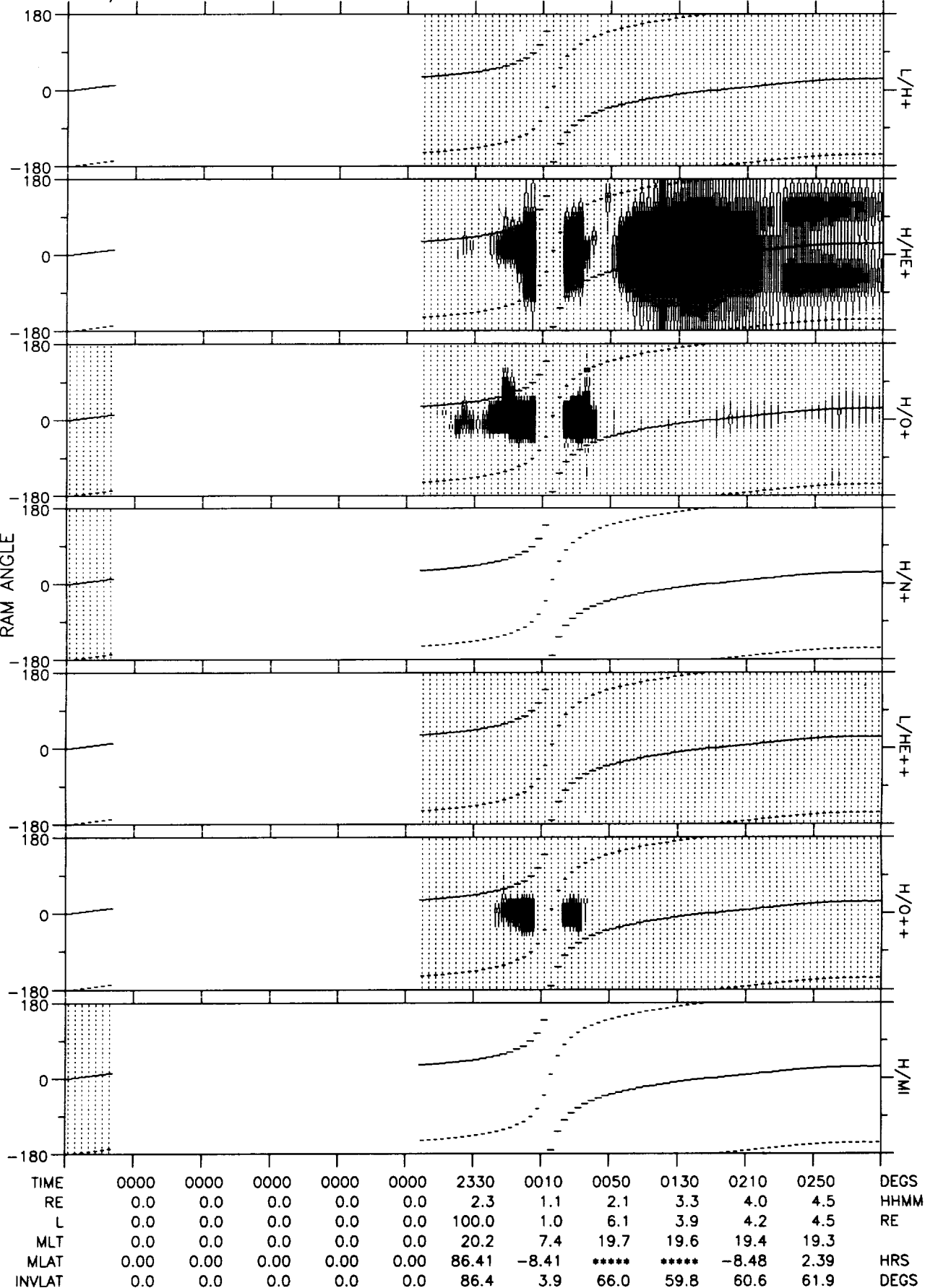
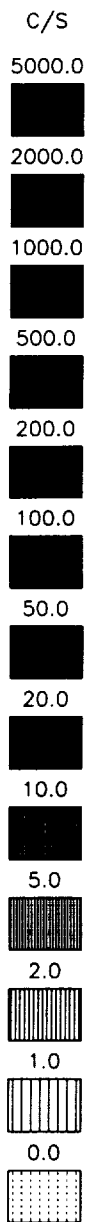
DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Tue Oct 5 15:14:16 1993

82/135 15-MAY 1315:00 - 2115:00 HEAD= RL RPA= 0 to 1000 BIAS= A



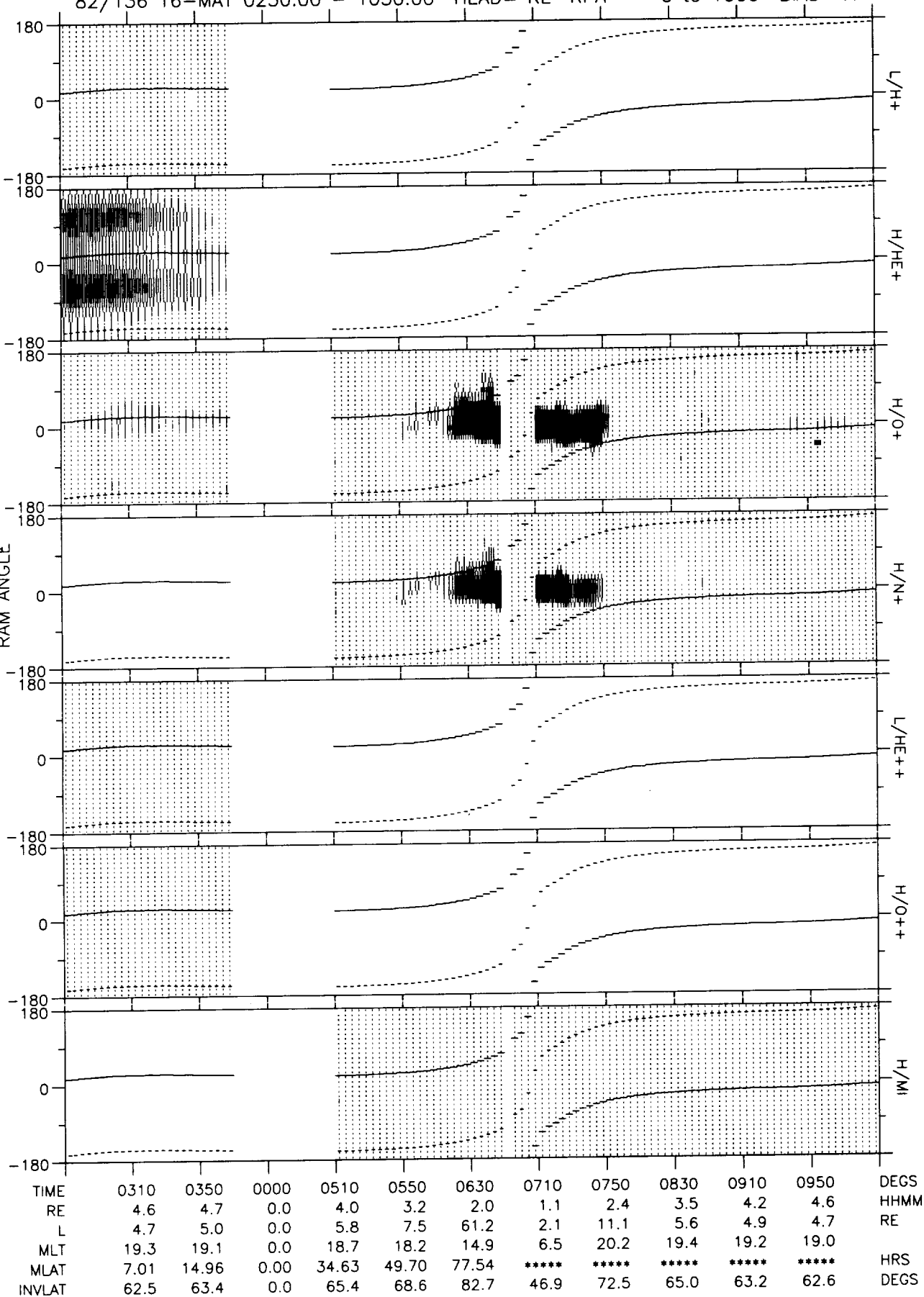
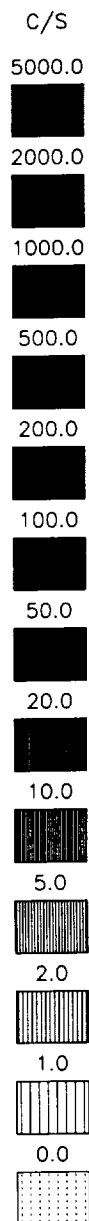
DE RMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Tue Oct 5 13:17:01 1993

82/135 15-MAY 1930:00 - 0330:00 HEAD= RL RPA= 0 to 1000 BIAS= A



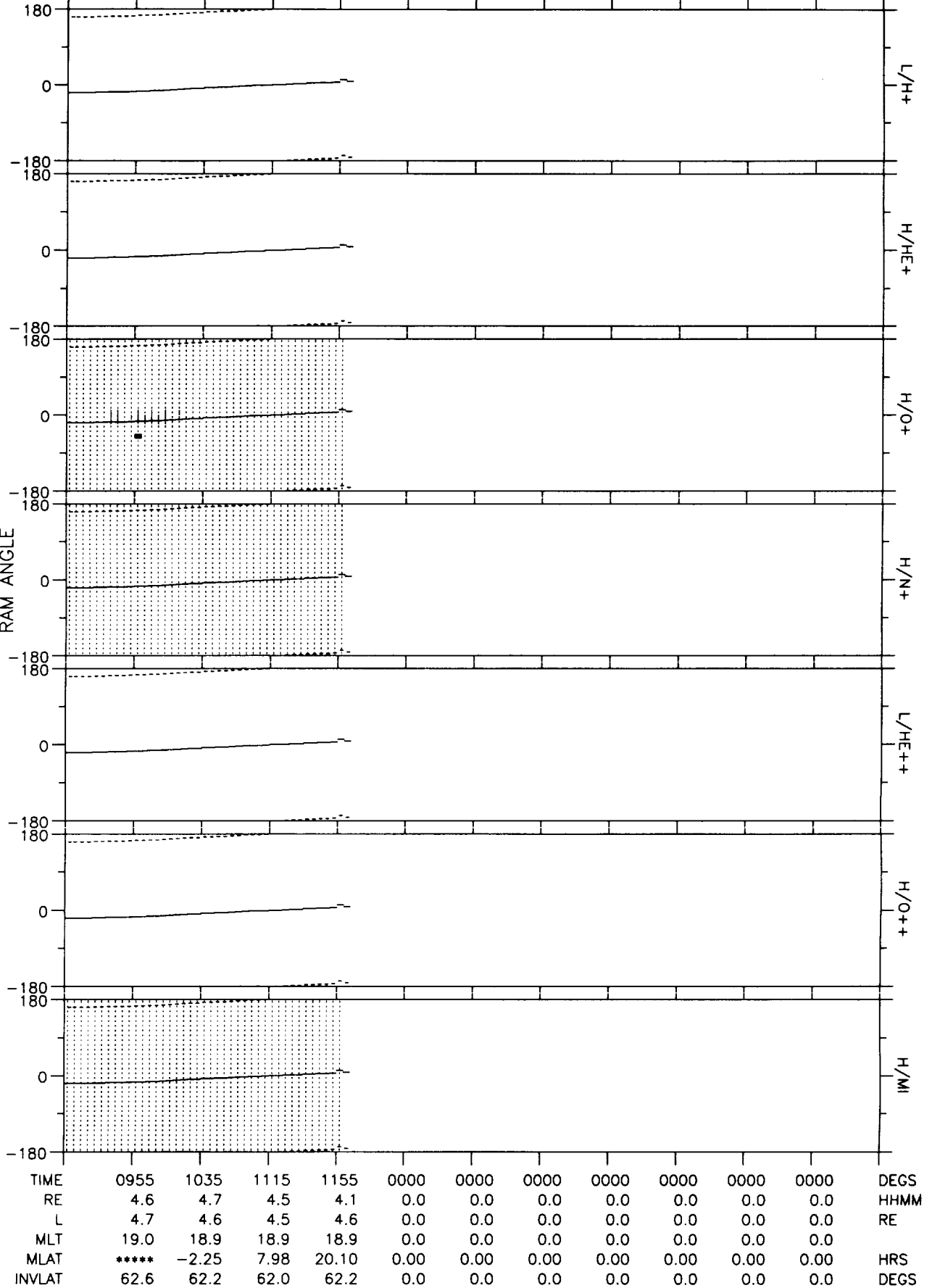
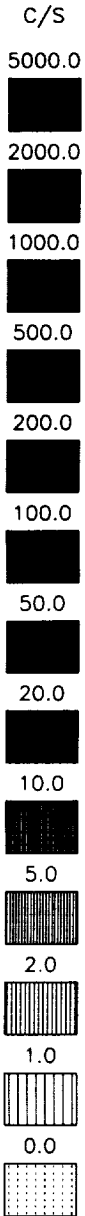
DE RIMS SPIN SUMMARY
SPIN-RADIAL (V1.0)
Tue Oct 5 15:20:41 1993

82/136 16-MAY 0230:00 - 1030:00 HEAD= RL RPA= 0 to 1000 BIAS= A



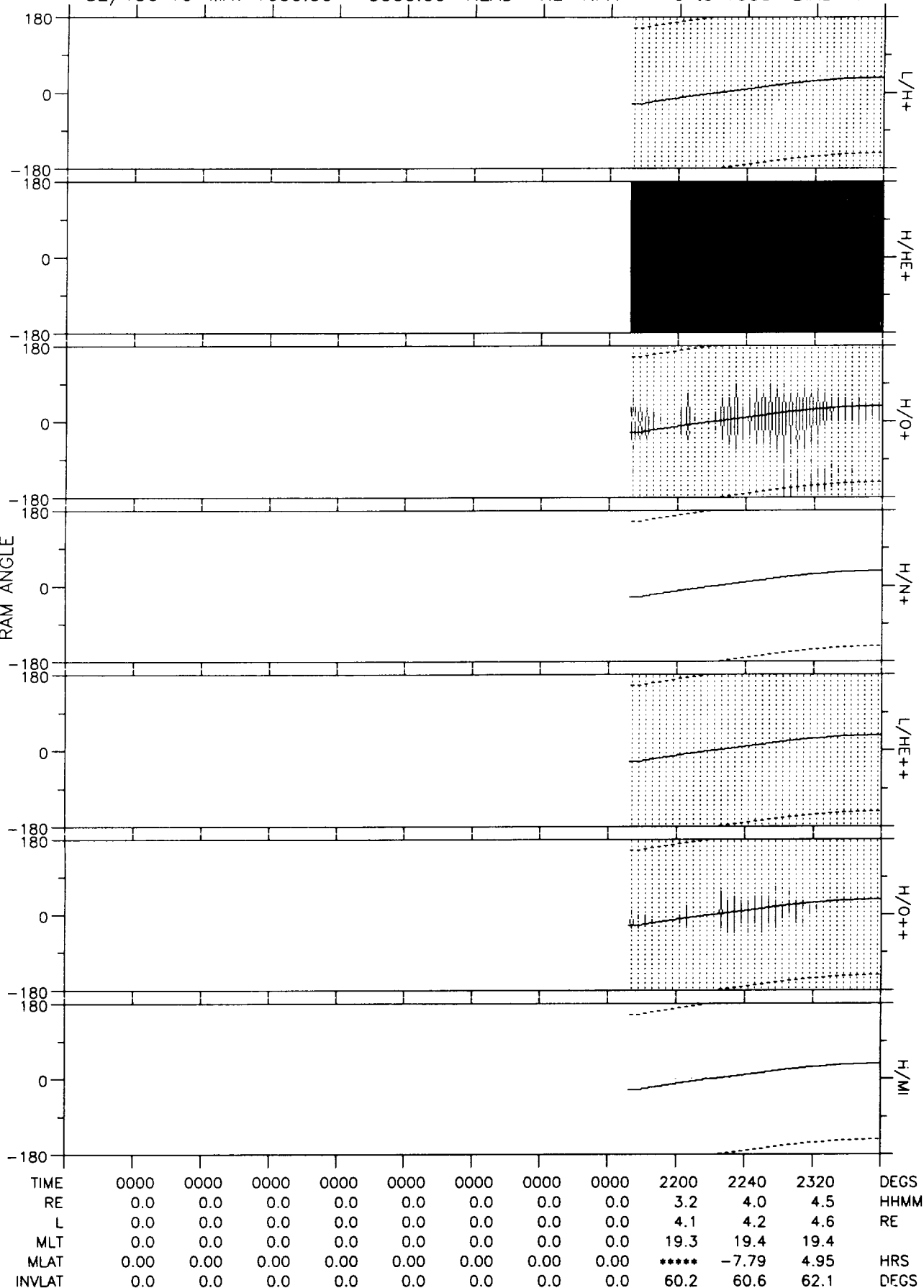
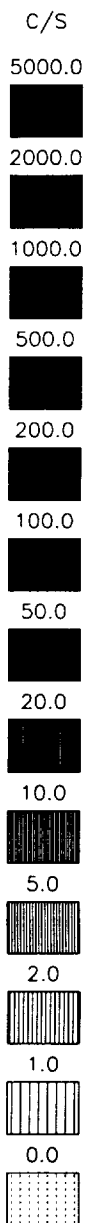
DE RMS SPIN SUMMARY
SPIN-RADIAL-ALL (V1.0)
Tue Oct 5 15:22:48 1993

82/136 16-MAY 0915:00 - 1715:00 HEAD= RL RPA= 0 to 1000 BIAS= A



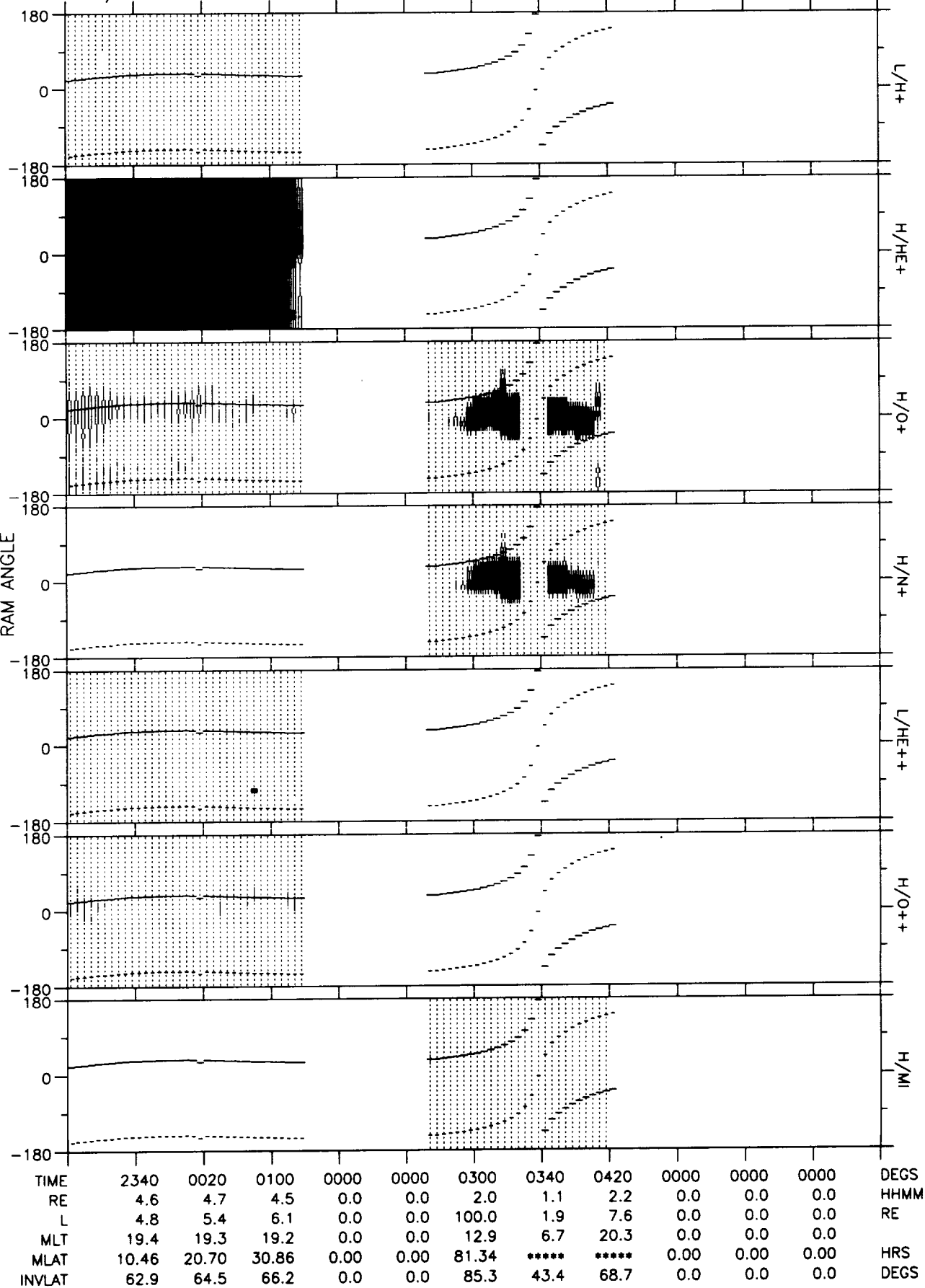
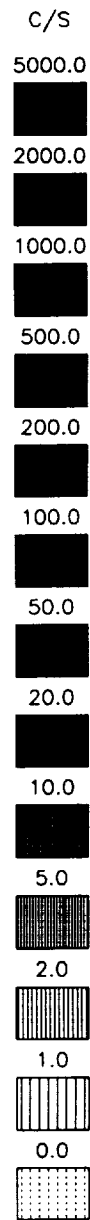
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Tue Oct 5 15:24:02 1993

82/136 16-MAY 1600:00 - 0000:00 HEAD= RL RPA= 0 to 1000 BIAS= A



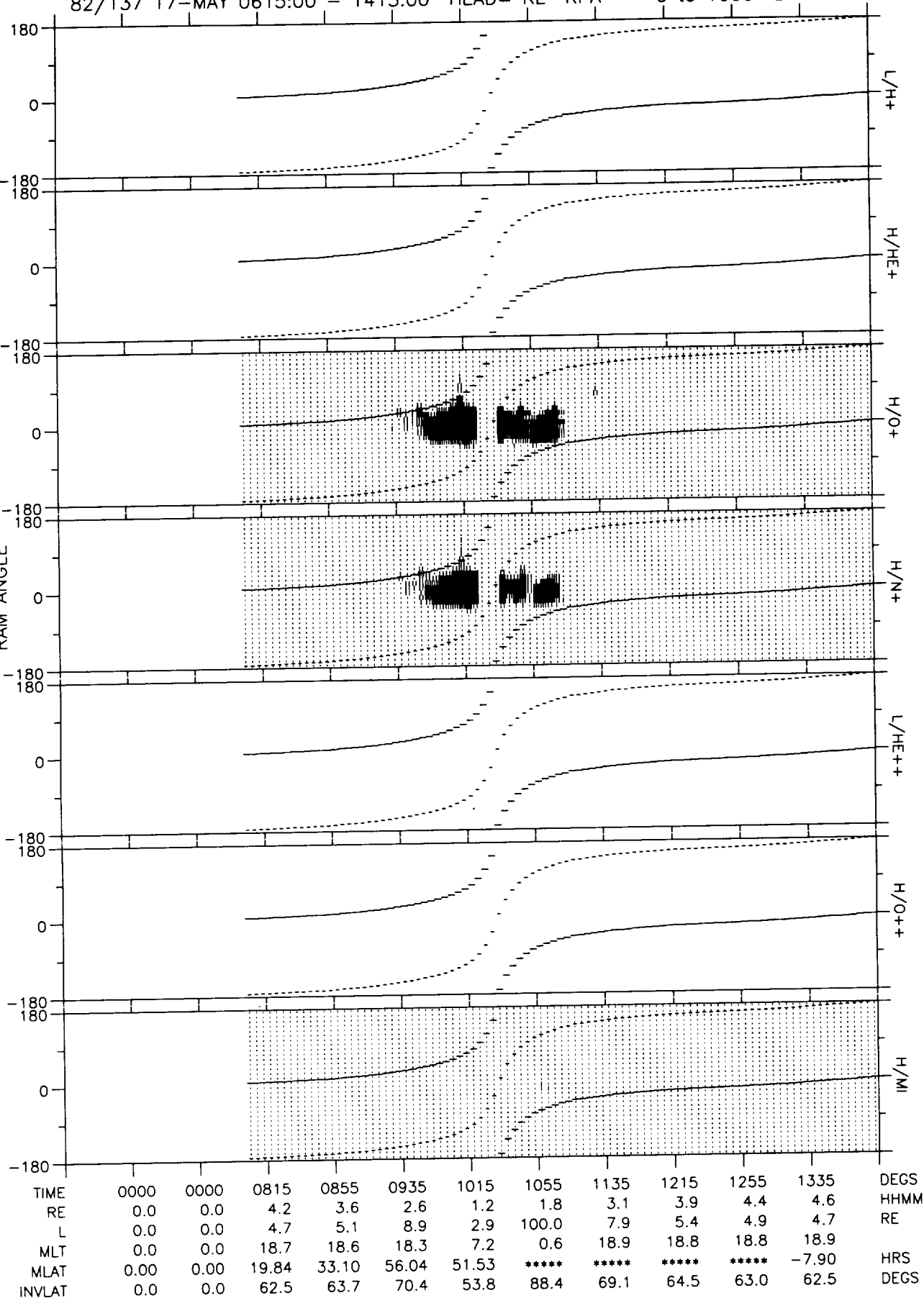
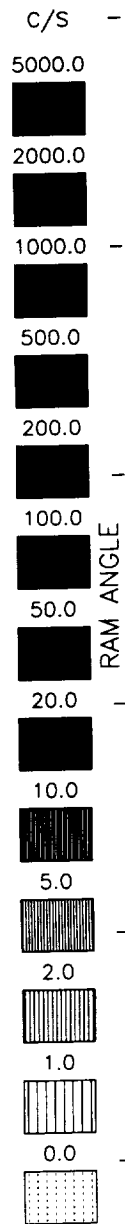
DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (Y1.0)
Tue Oct 5 15:25:44 1993

82/136 16-MAY 2300:00 - 0700:00 HEAD= RL RPA= 0 to 1000 BIAS= A



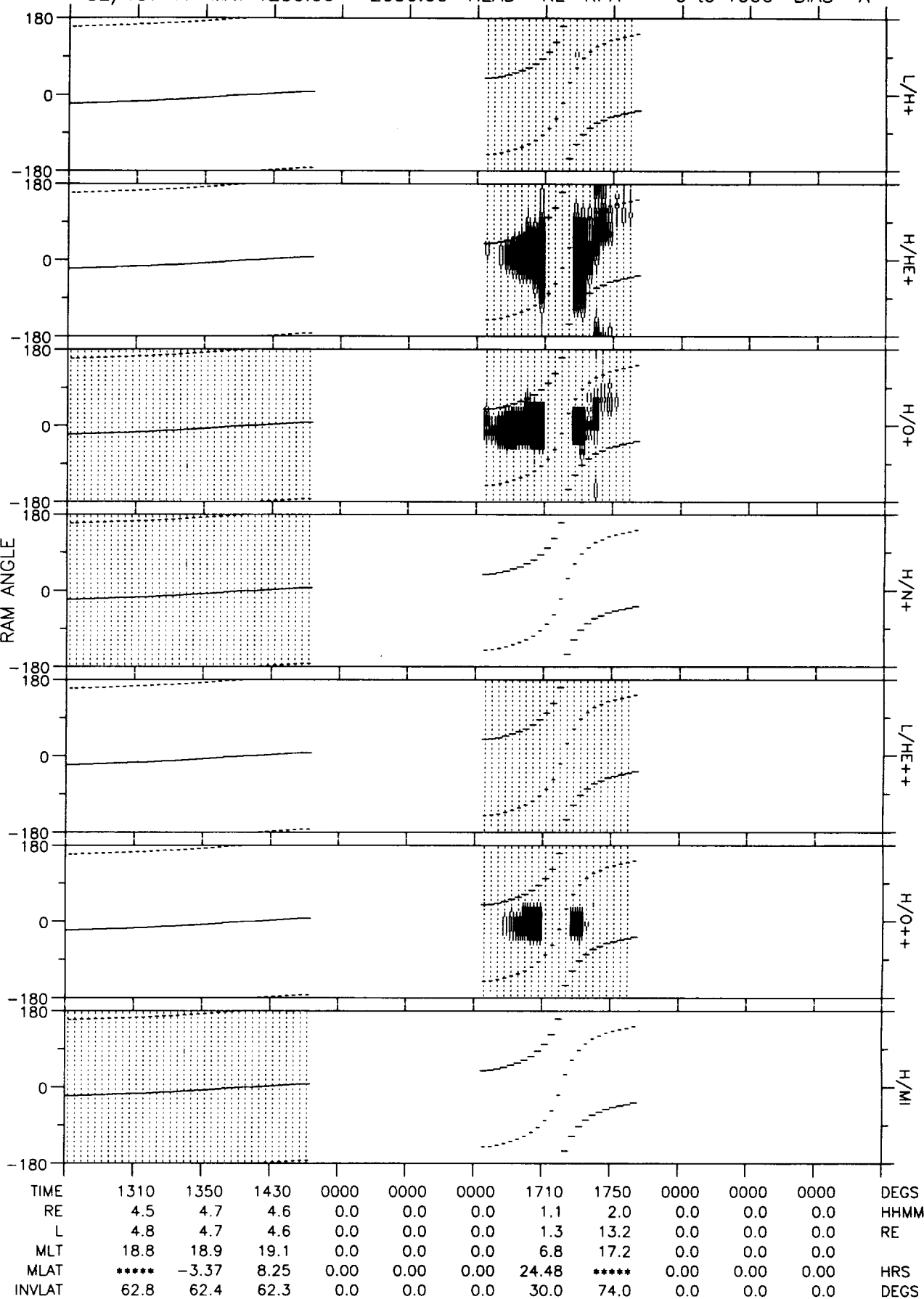
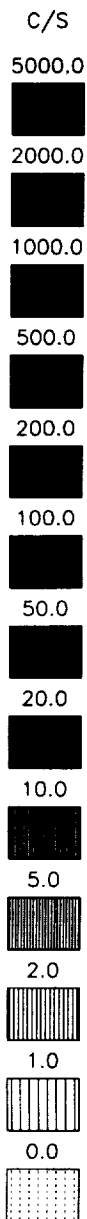
DE RINS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Tue Oct 5 15:27:36 1993

82/137 17-MAY 0615:00 - 1415:00 HEAD= RL RPA= 0 to 1000 BIAS= A



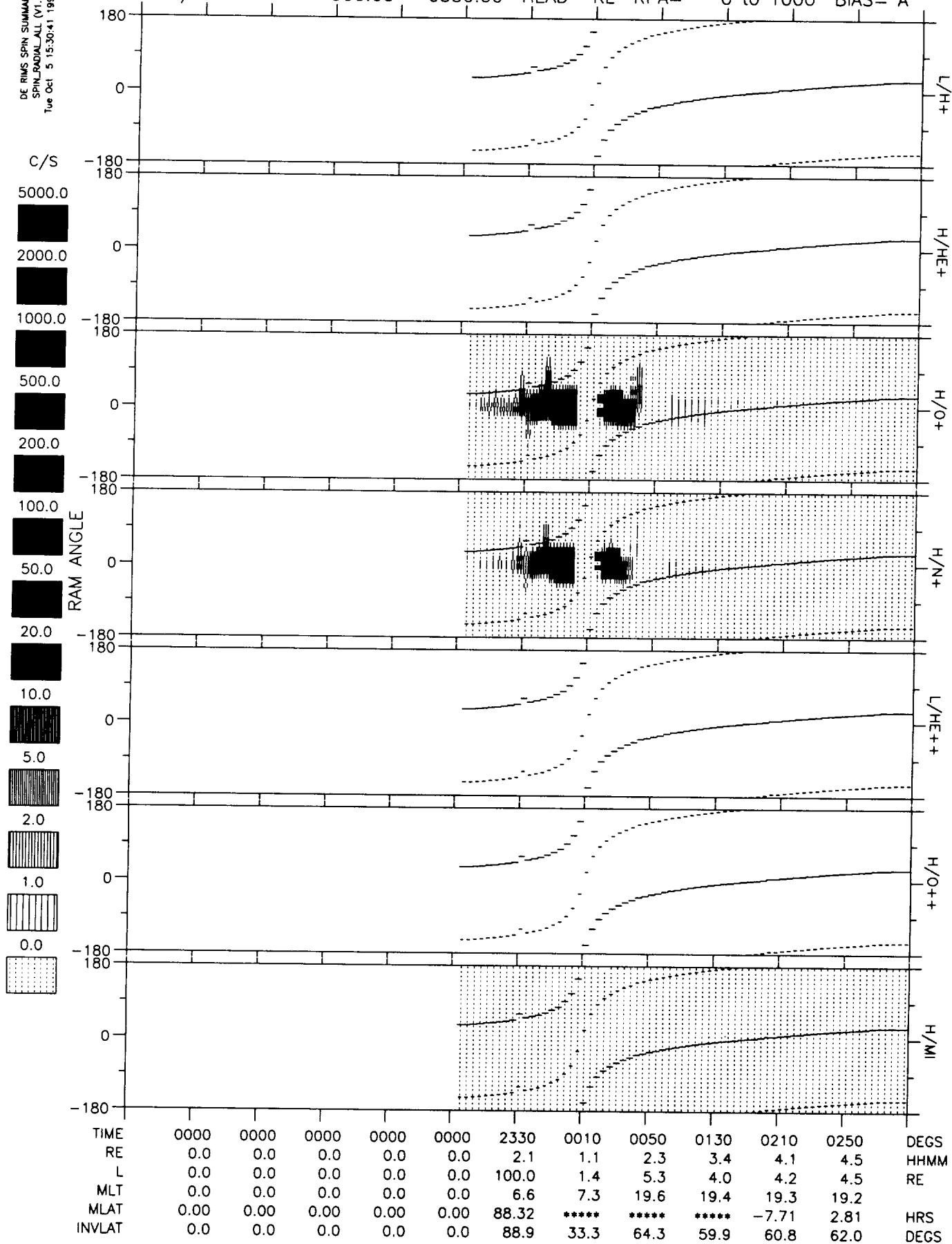
DE RMS SPIN SUMMARY
SPIN/NOVA/ALL (V1.0)
Tue Oct 5 15:28:12 1993

82/137 17-MAY 1230:00 - 2030:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Tue Oct 5 15:30:41 1993

82/137 17-MAY 1930:00 - 0330:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPINRADIAL_ALL (V1.0)
Tue Oct 5 15:32:10 1993

82/138 18-MAY 0230:00 - 1030:00 HEAD= RL RPA= 0 to 1000 BIAS= A

C/S

5000.0

2000.0

1000.0

500.0

200.0

100.0

50.0

20.0

10.0

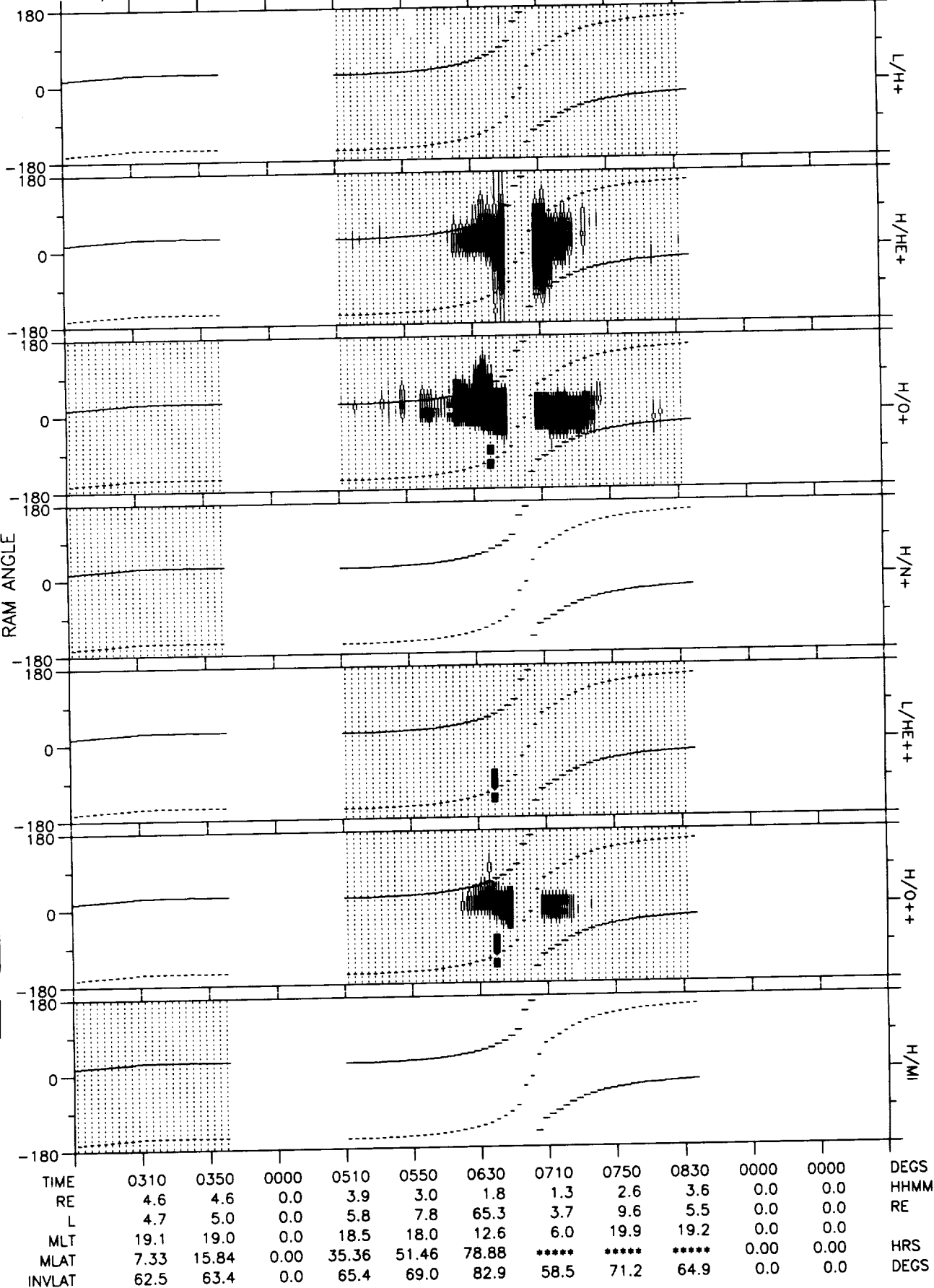
5.0

2.0

1.0

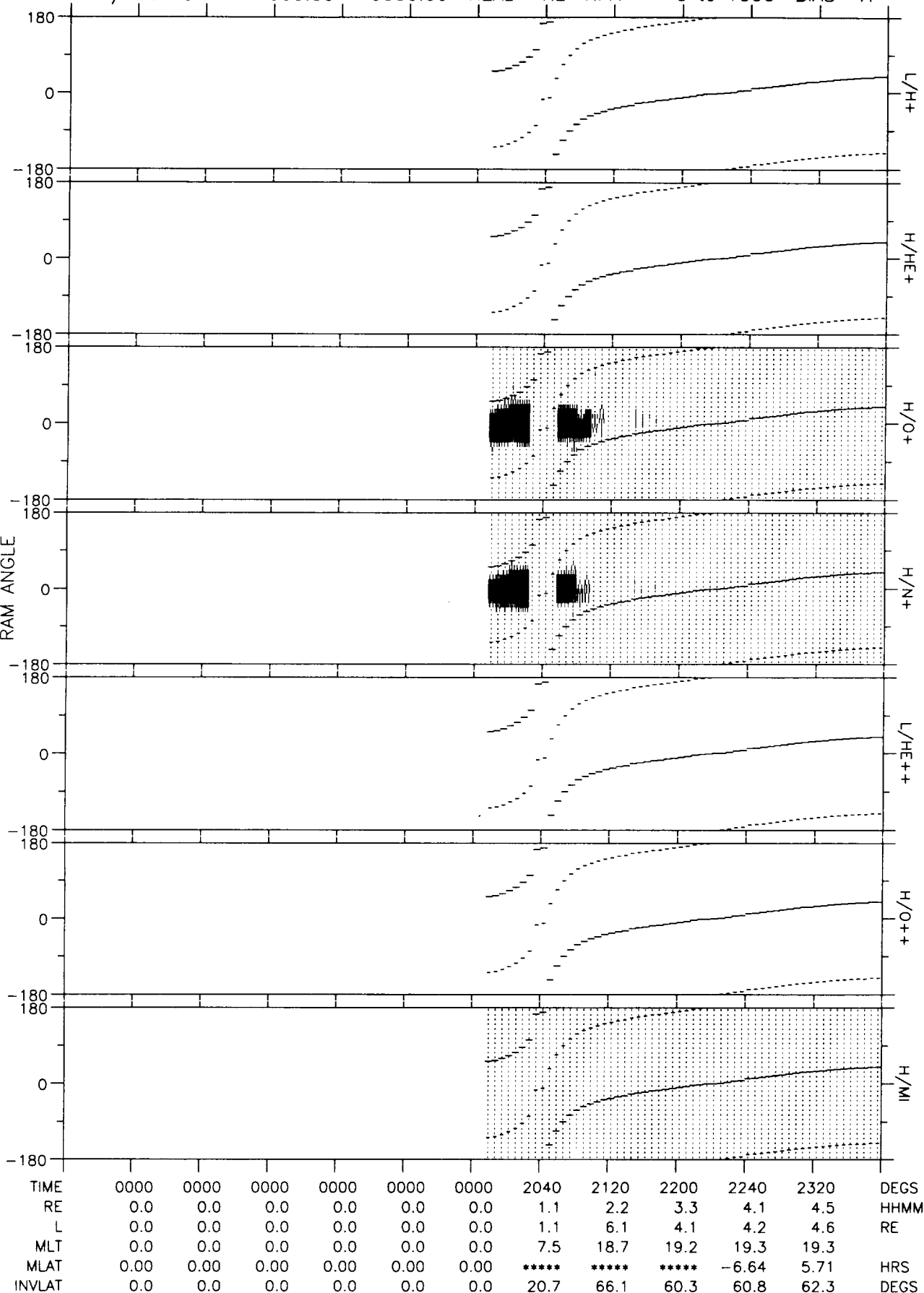
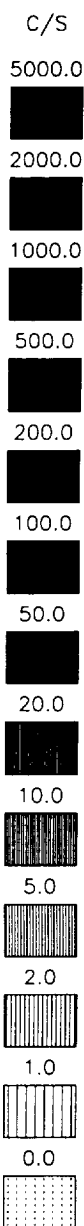
0.0

RAM ANGLE



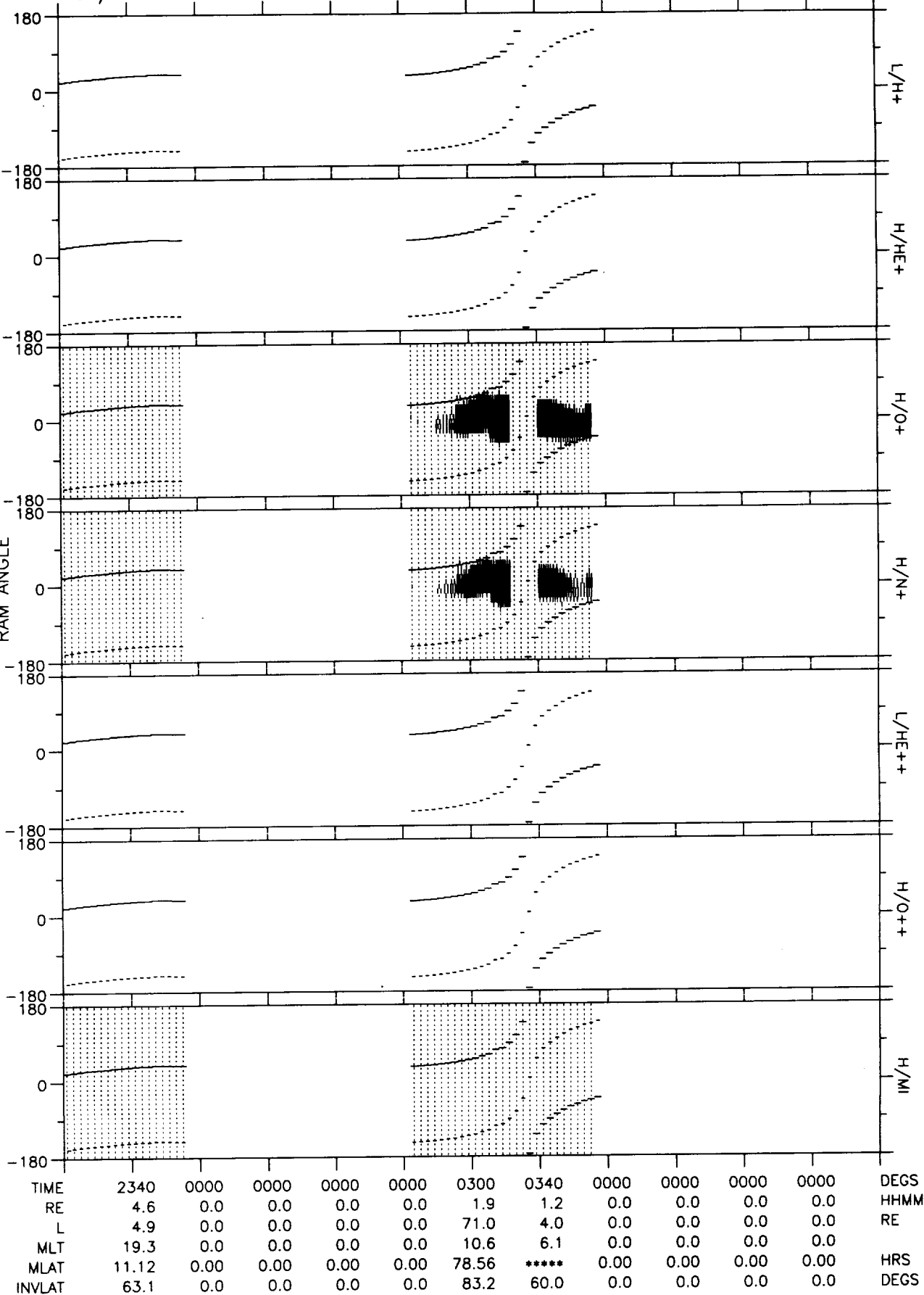
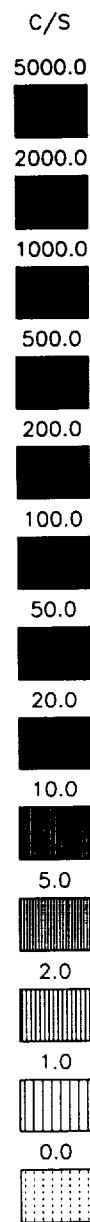
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Tue Oct 5 15:33:52 1993

82/138 18-MAY 1600:00 - 0000:00 HEAD= RL RPA= 0 to 1000 BIAS= A



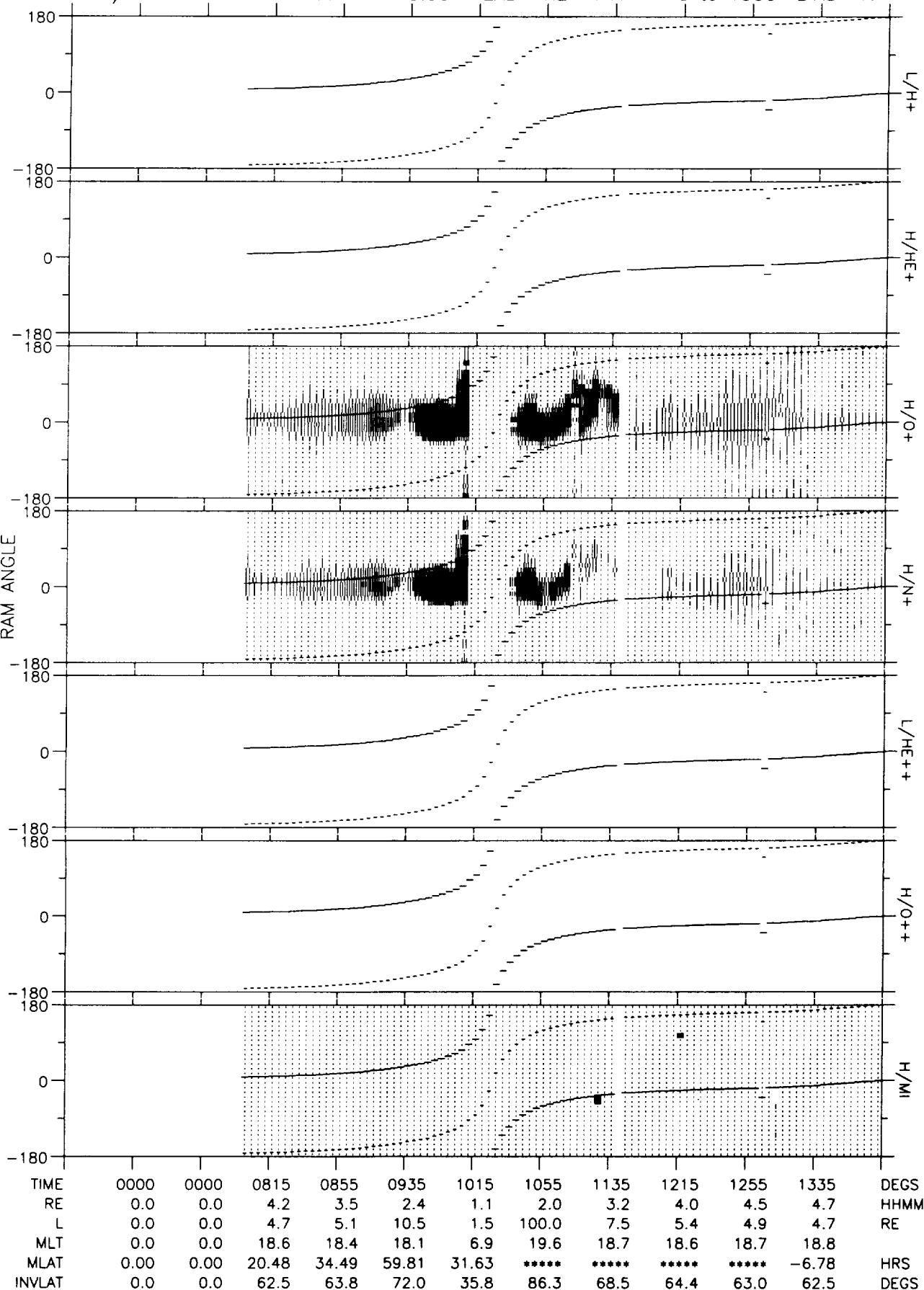
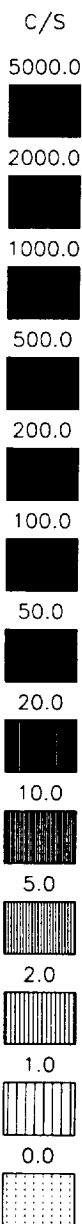
DE RMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Tue Oct 5 15:35:14 1993

82/138 18-MAY 2300:00 - 0700:00 HEAD= RL RPA= 0 to 1000 BIAS= A



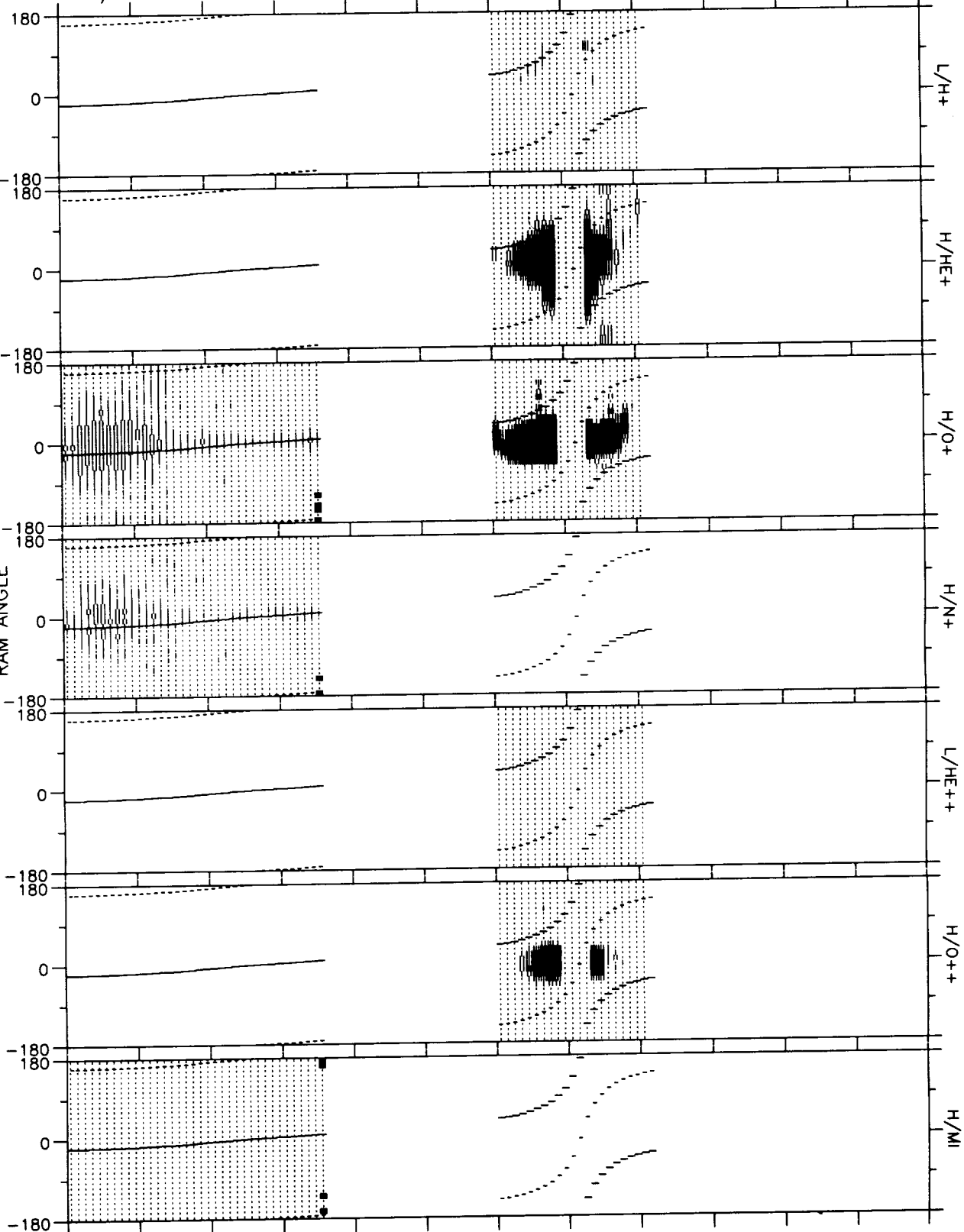
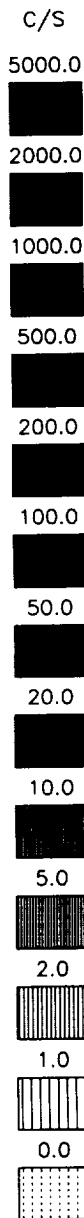
DE RIMS SPIN SUMMARY
SPIN-RADIAL-ALL (V1.0)
Tue Oct 5 15:36:33 1993

82/139 19-MAY 0615:00 - 1415:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE BUS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Tue Oct 5 15:36:14 1993

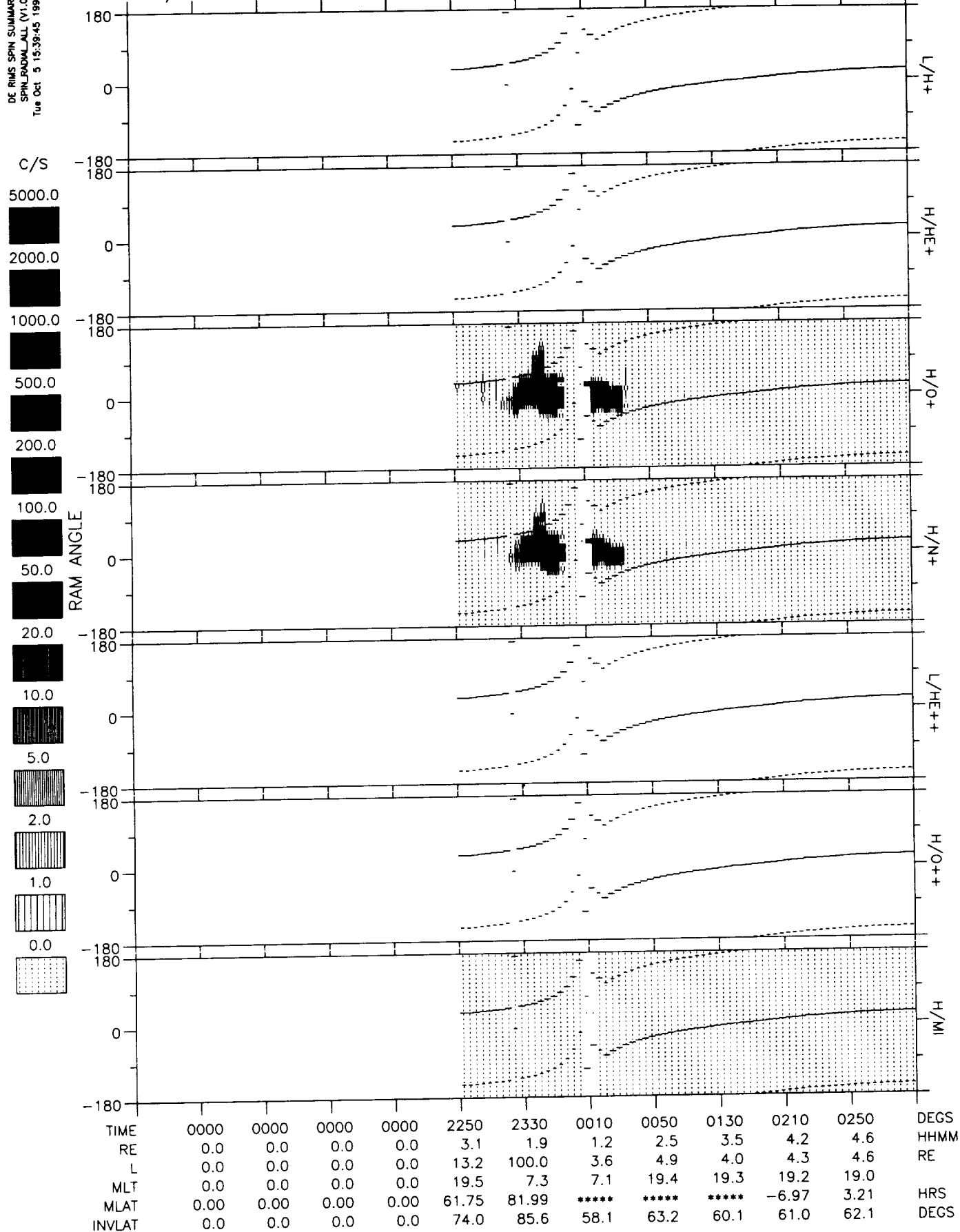
82/139 19-MAY 1230:00 - 2030:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	1310	1350	1430	0000	0000	1630	1710	1750	0000	0000	0000	DEGS
RE	4.6	4.7	4.5	0.0	0.0	2.3	1.1	2.2	0.0	0.0	0.0	HHMM
L	4.8	4.6	4.6	0.0	0.0	17.8	1.0	10.1	0.0	0.0	0.0	RE
MLT	18.7	18.8	18.9	0.0	0.0	21.1	7.0	17.6	0.0	0.0	0.0	HRS
MLAT	*****	-2.51	9.22	0.00	0.00	68.56	1.91	*****	0.00	0.00	0.00	DEGS
INVLAT	62.8	62.3	62.3	0.0	0.0	76.3	13.1	71.7	0.0	0.0	0.0	

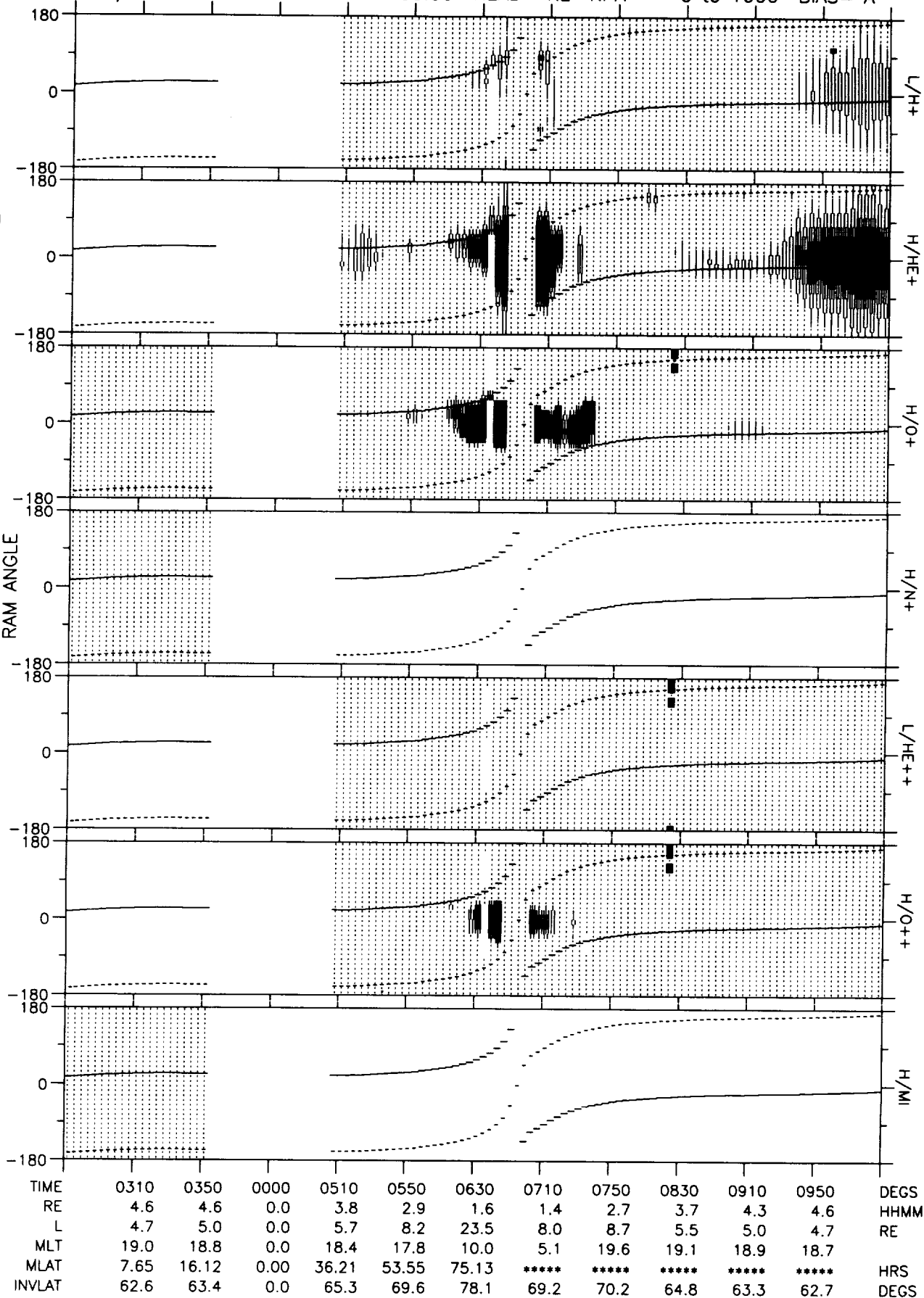
DE RIMS SPIN SUMMARY
SPIN-RADIAL-ALL (V1.0)
Tue Oct 5 15:39:45 1993

82/139 19-MAY 1930:00 - 0330:00 HEAD= RL RPA= 0 to 1000 BIAS= A



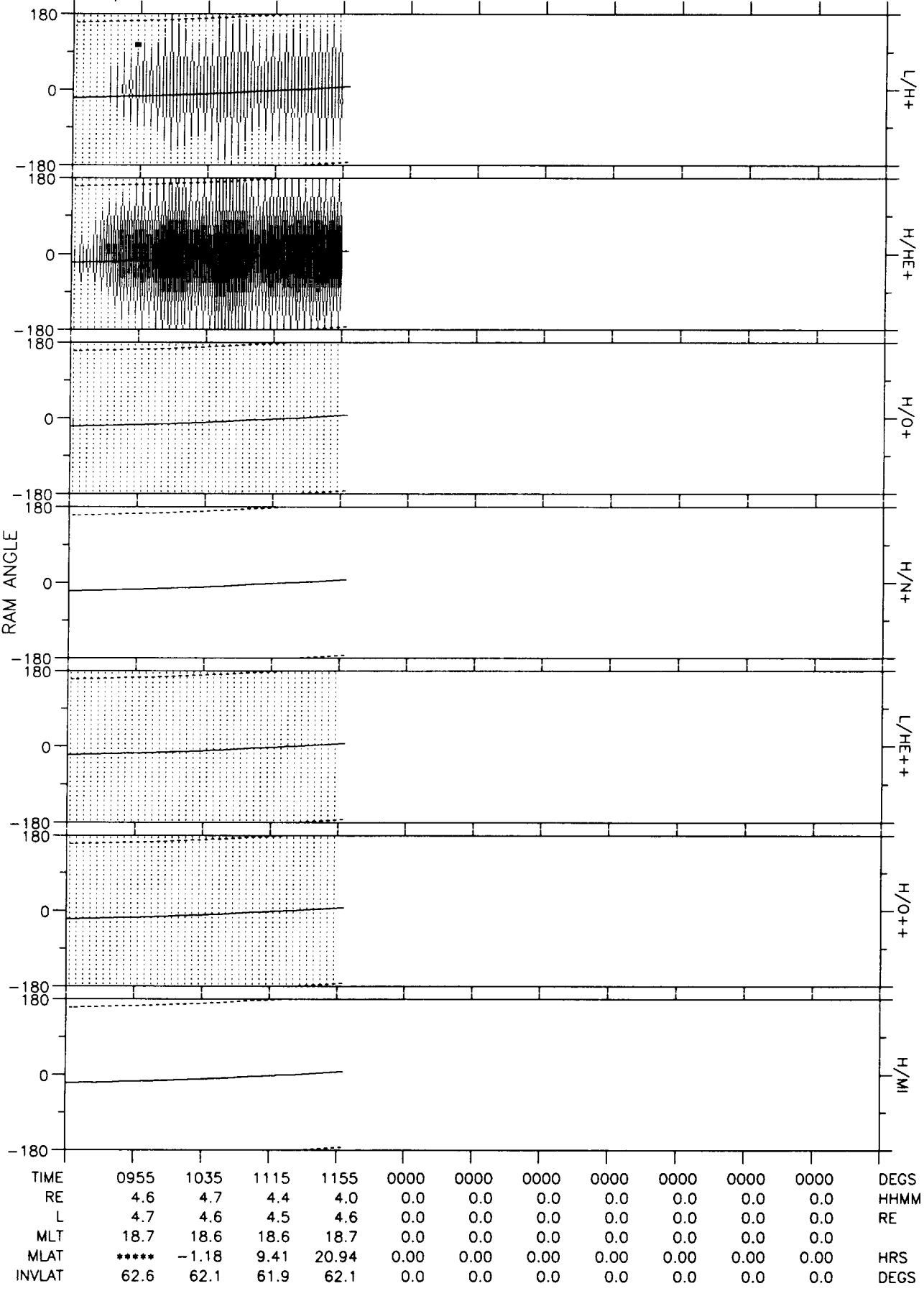
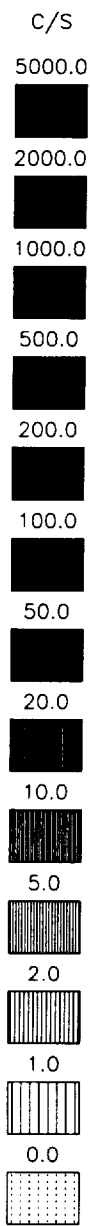
DE RMS SPIN SUMMARY
SPINRADIAL.JLL (V1.0)
Wed Oct 6 20:22:06 1993

82/140 20-MAY 0230:00 - 1030:00 HEAD= RL RPA= 0 to 1000 BIAS= A



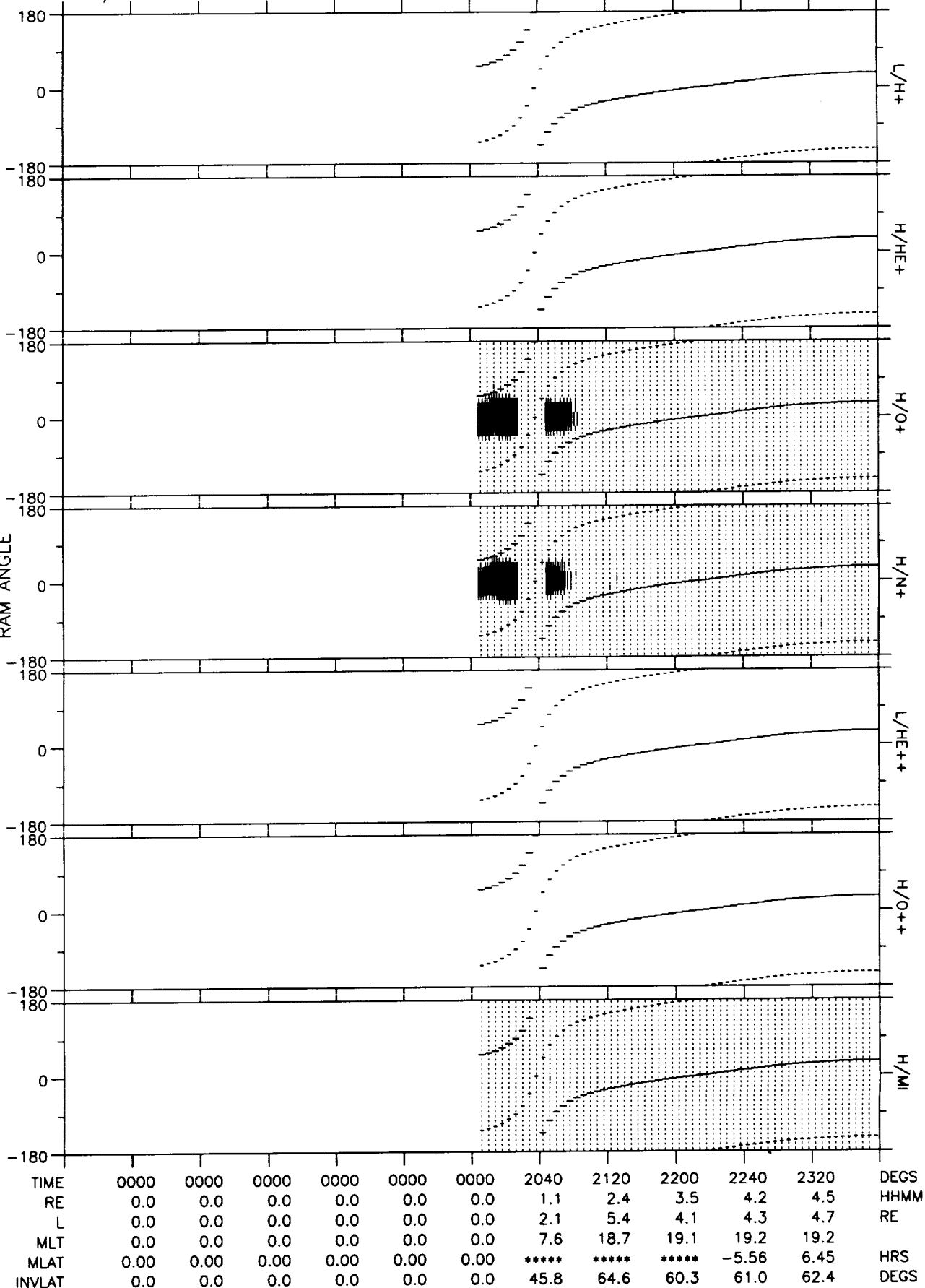
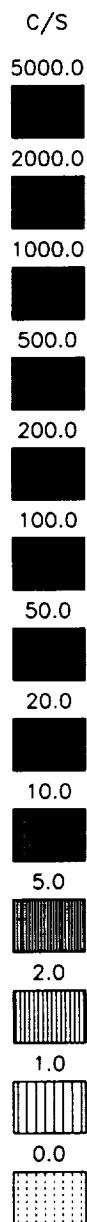
DE RIMS SPIN SUMMARY
SPINRADIAL_ALL (V1.0)
Wed Oct 6 20:23:57 1993

82/140 20-MAY 0915:00 - 1715:00 HEAD= RL RPA= 0 to 1000 BIAS= A

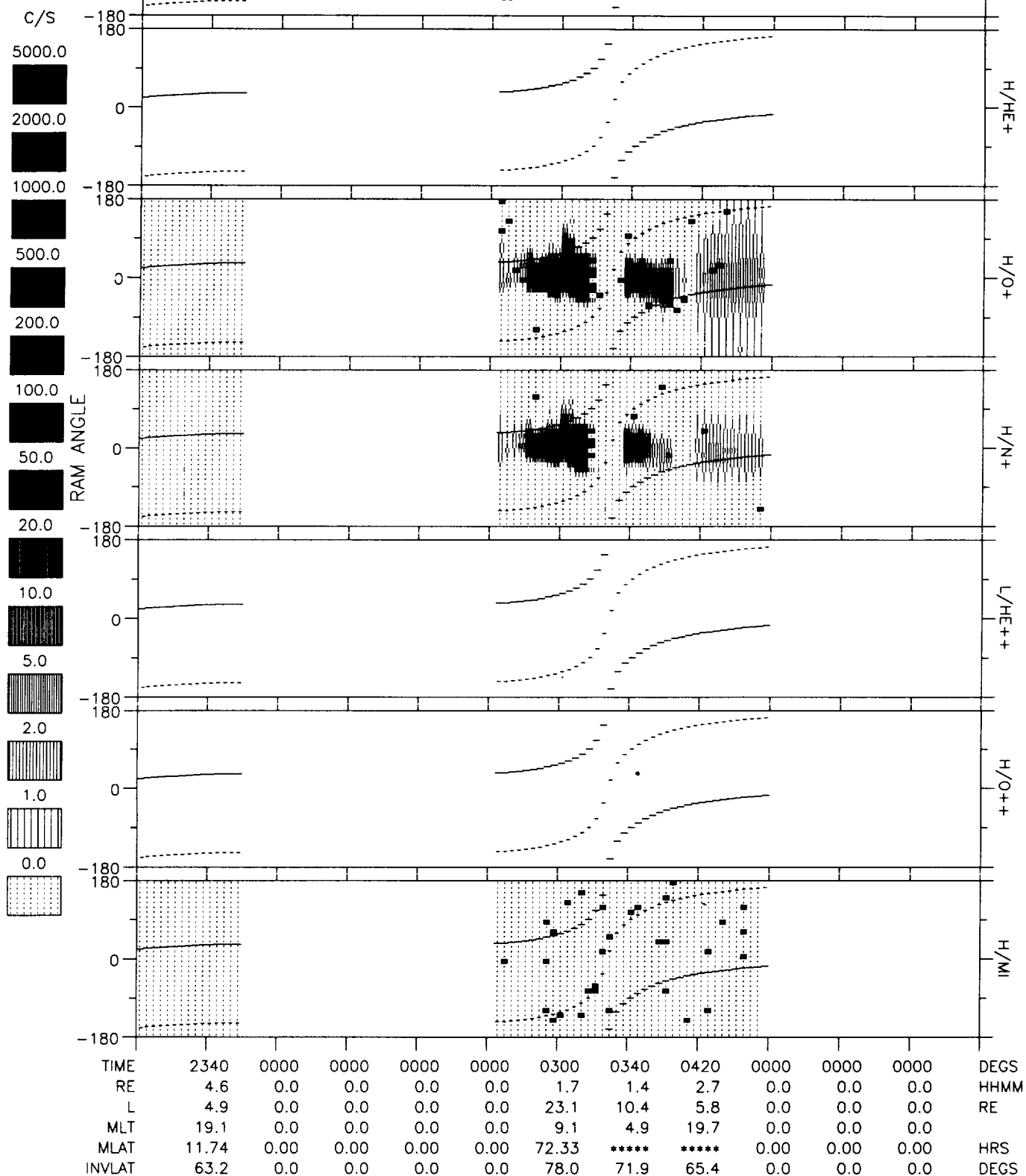


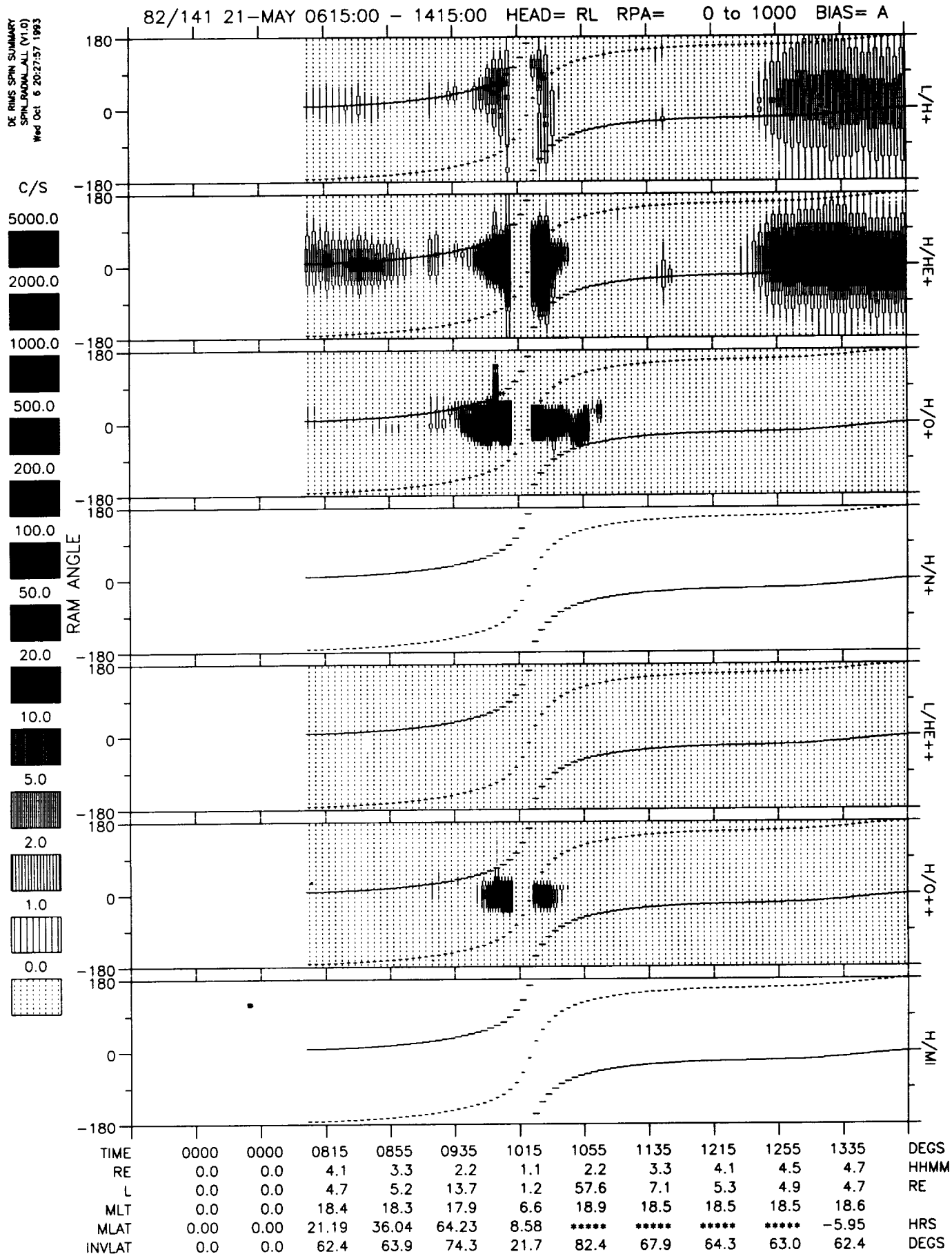
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Wed Oct 6 20:25:20 1993

82/140 20-MAY 1600:00 - 0000:00 HEAD= RL RPA= 0 to 1000 BIAS= A



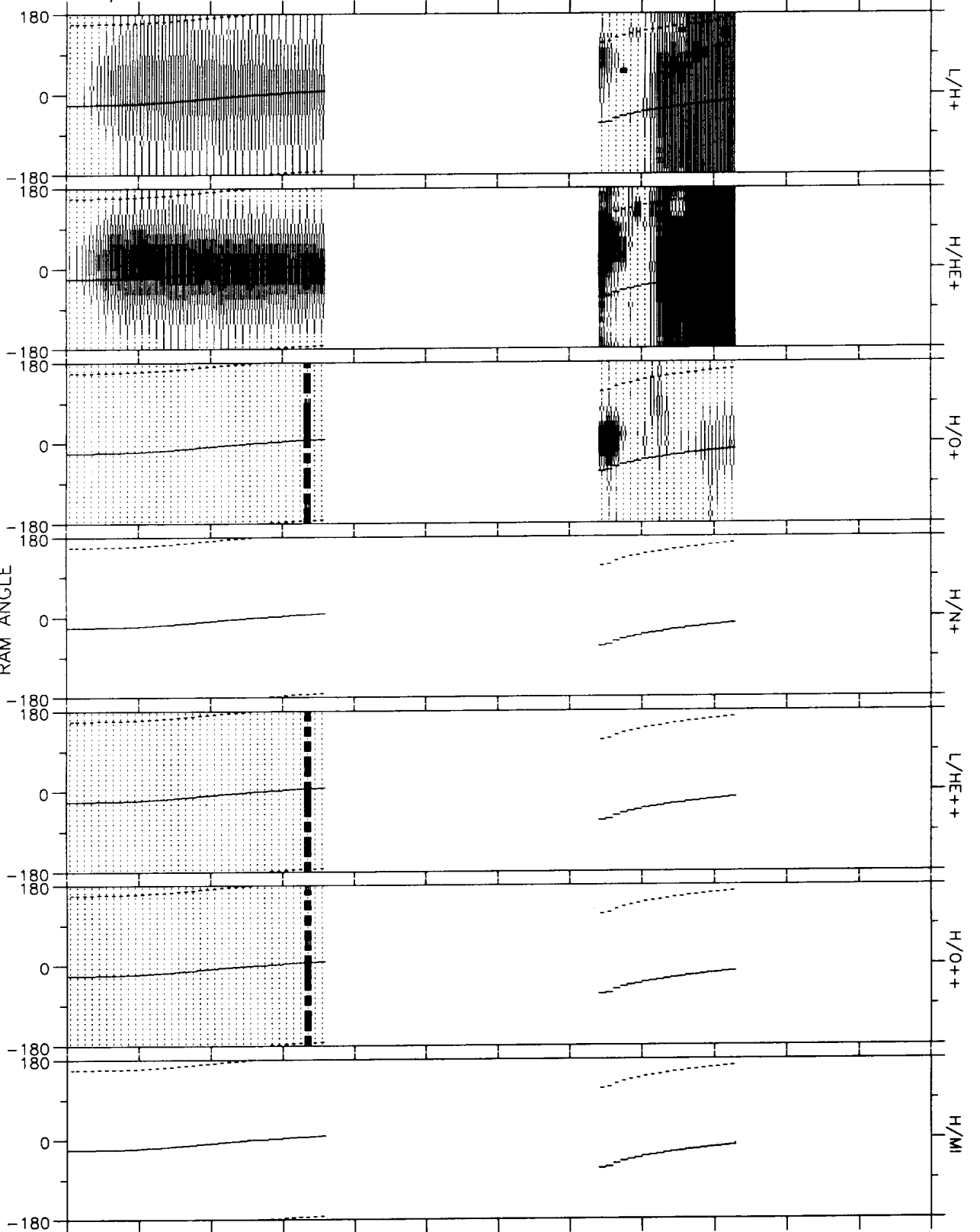
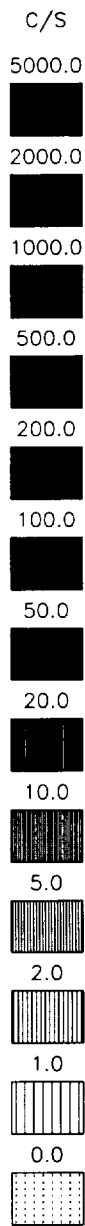
82/140 20-MAY 2300:00 - 0700:00 HEAD= RL RPA= 0 to 1000 BIAS= A





DE RIMS SPIN SUMMARY
SPIN_RADIAL.ALL (V1.0)
Wed Oct 6 20:29:52 1993

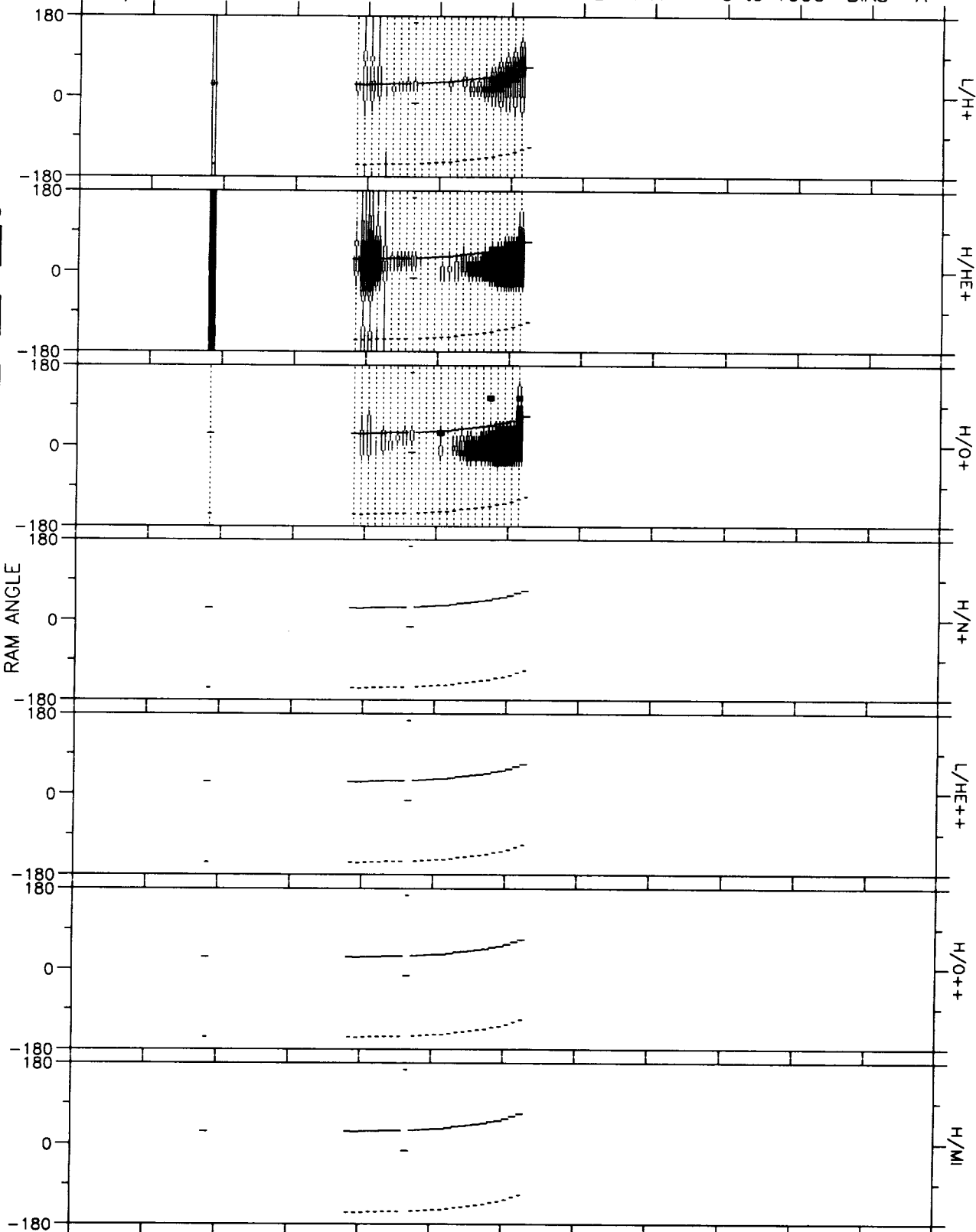
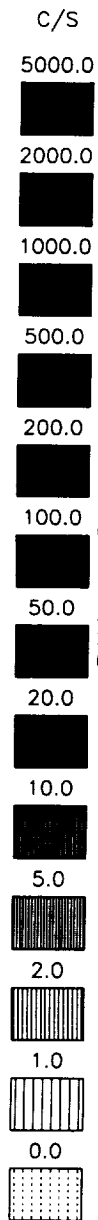
82/141 21-MAY 1230:00 - 2030:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	1310	1350	1430	0000	0000	0000	0000	1750	1830	0000	0000	DEGS
RE	4.6	4.7	4.5	0.0	0.0	0.0	0.0	2.3	3.4	0.0	0.0	HHMM
L	4.8	4.6	4.6	0.0	0.0	0.0	0.0	8.4	4.8	0.0	0.0	RE
MLT	18.5	18.7	18.8	0.0	0.0	0.0	0.0	17.7	18.6	0.0	0.0	
MLAT	*****	-1.66	10.21	0.00	0.00	0.00	0.00	*****	*****	0.00	0.00	HRS
INVLAT	62.8	62.3	62.3	0.0	0.0	0.0	0.0	69.8	62.7	0.0	0.0	DEGS

DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Wed Oct 6 20:31:31 1993

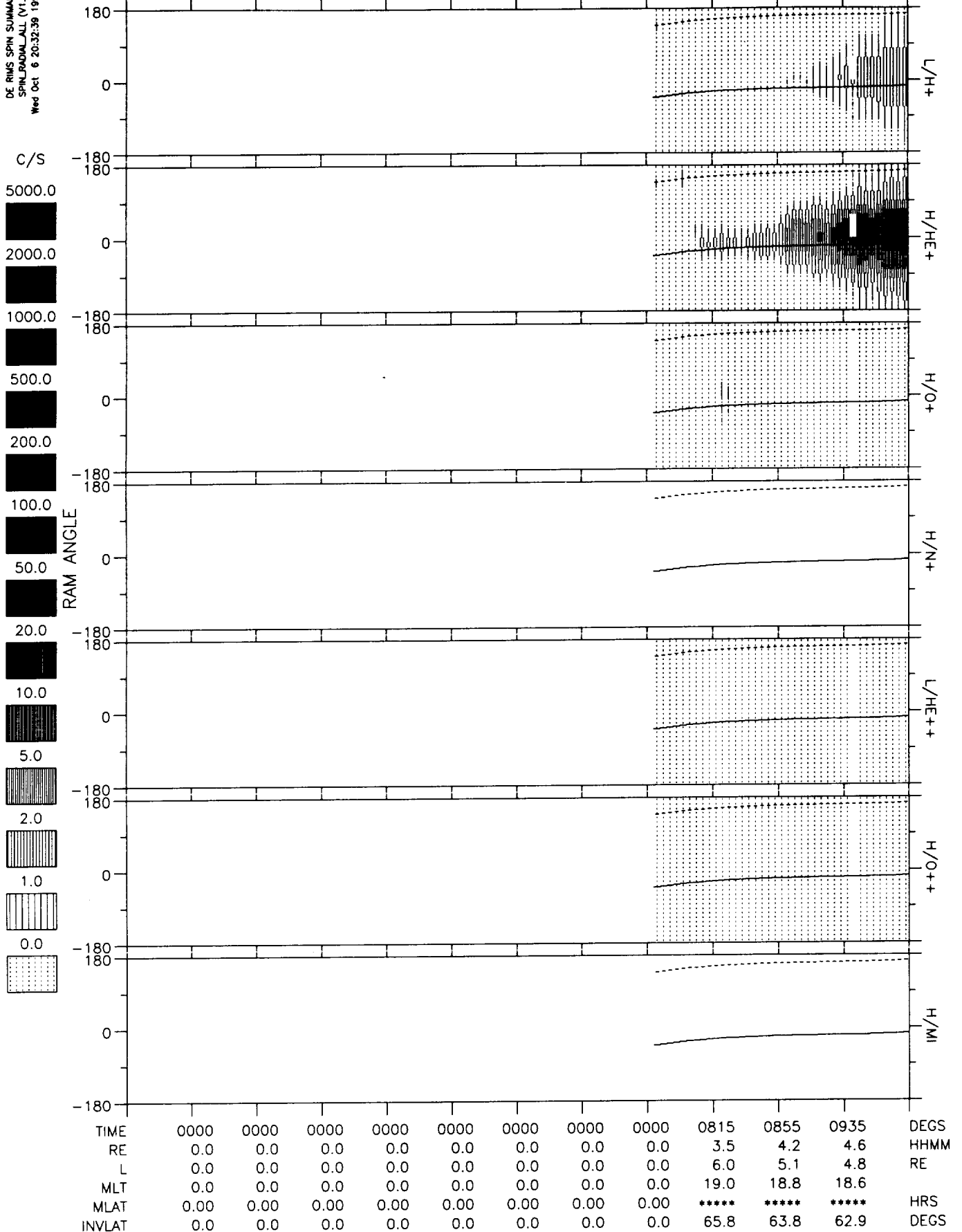
82/141 21-MAY 1930:00 - 0330:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0000	0000	0000	2210	2250	2330	0000	0000	0000	0000	0000	DEGS
RE	0.0	0.0	0.0	3.9	3.0	1.8	0.0	0.0	0.0	0.0	0.0	HHMM
L	0.0	0.0	0.0	7.5	14.7	34.1	0.0	0.0	0.0	0.0	0.0	RE
MLT	0.0	0.0	0.0	19.4	19.3	7.2	0.0	0.0	0.0	0.0	0.0	
MLAT	0.00	0.00	0.00	44.63	64.11	74.47	0.00	0.00	0.00	0.00	0.00	HRS
INVLAT	0.0	0.0	0.0	68.5	74.9	80.1	0.0	0.0	0.0	0.0	0.0	DEGS

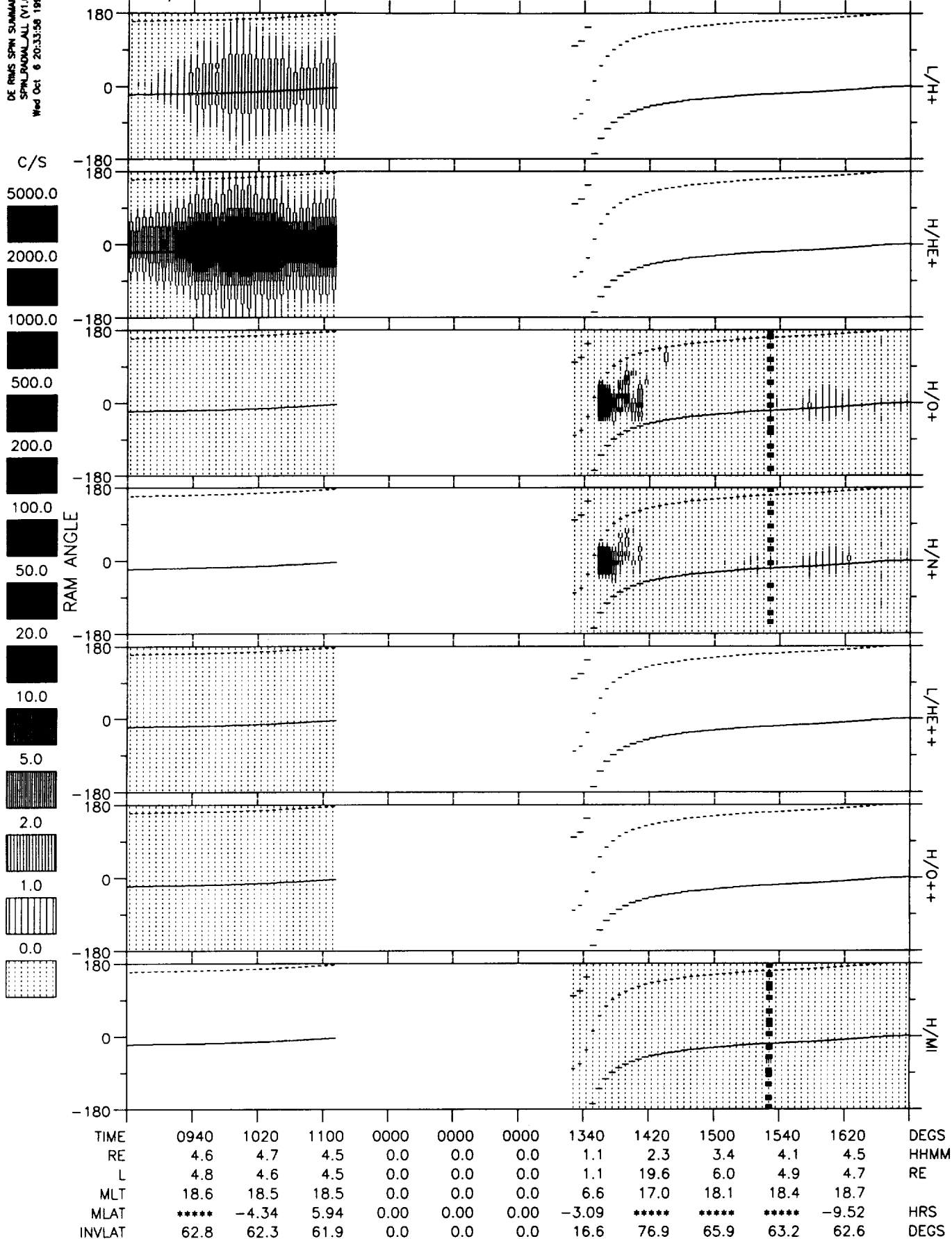
DE RIMS SPIN SUMMARY
SPINRADIAL.ALL (V1.0)
Wed Oct 6 20:32:39 1993

82/142 22-MAY 0215:00 - 1015:00 HEAD= RL RPA= 0 to 1000 BIAS= A



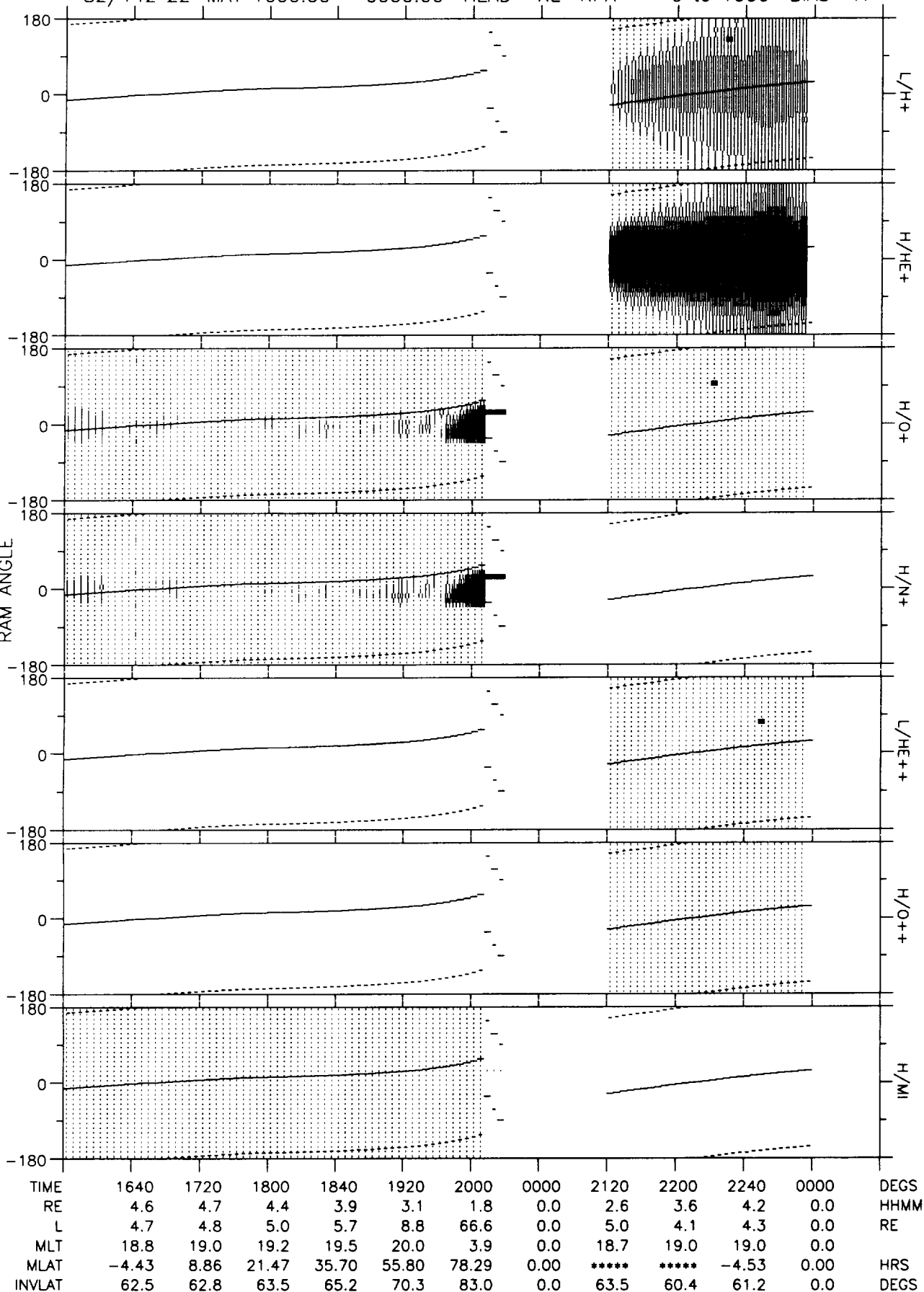
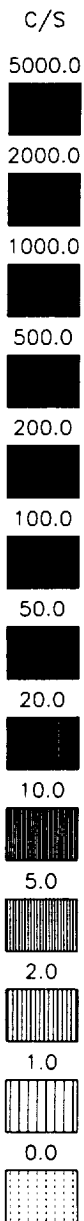
DE RMS SPIN SUMMARY
SPINRADIAL.JUL (V1.0)
Wed Oct 6 20:33:58 1993

82/142 22-MAY 0900:00 - 1700:00 HEAD= RL RPA= 0 to 1000 BIAS= A



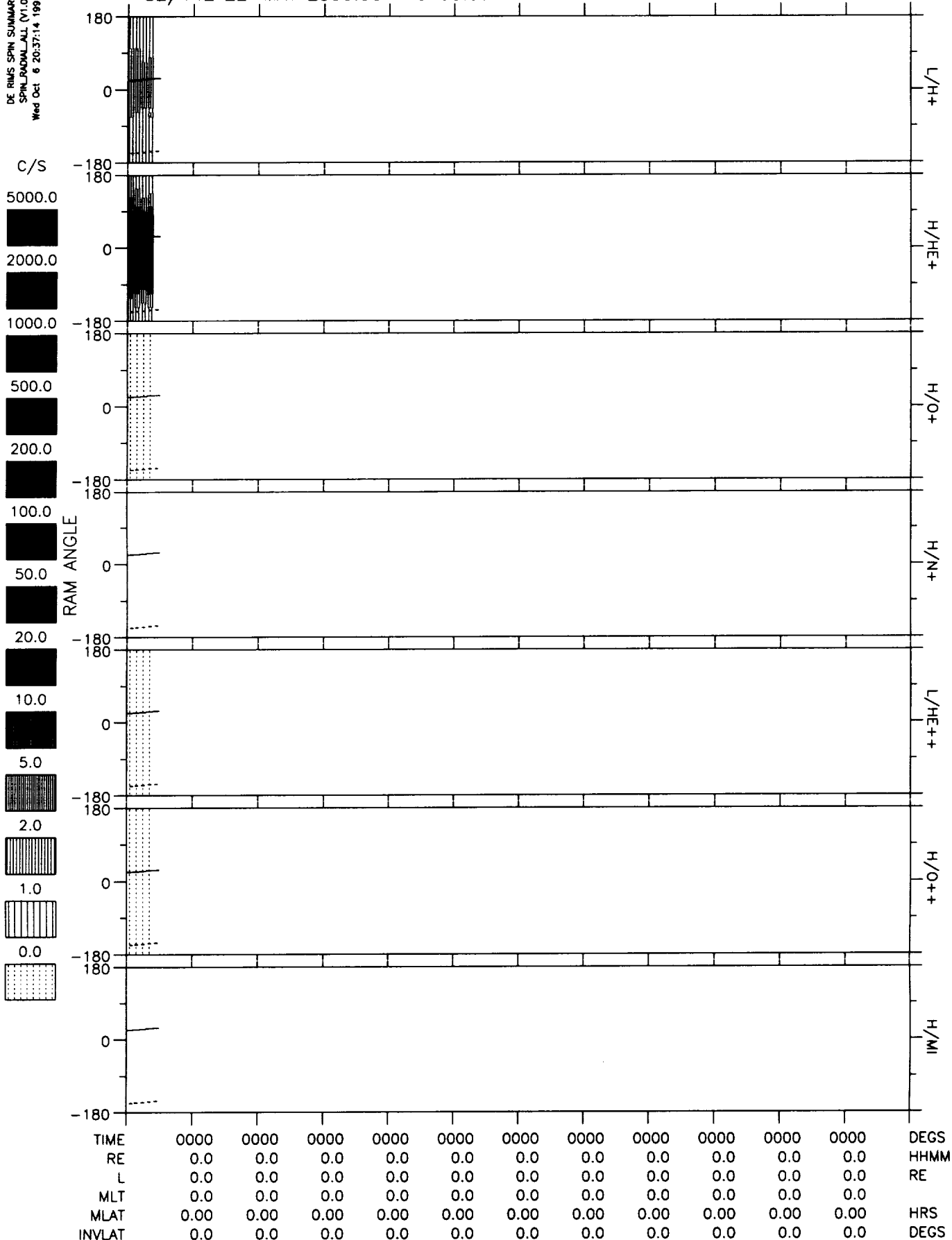
DE RMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Wed Oct 6 20:35:32 1993

82/142 22-MAY 1600:00 - 0000:00 HEAD= RL RPA= 0 to 1000 BIAS= A



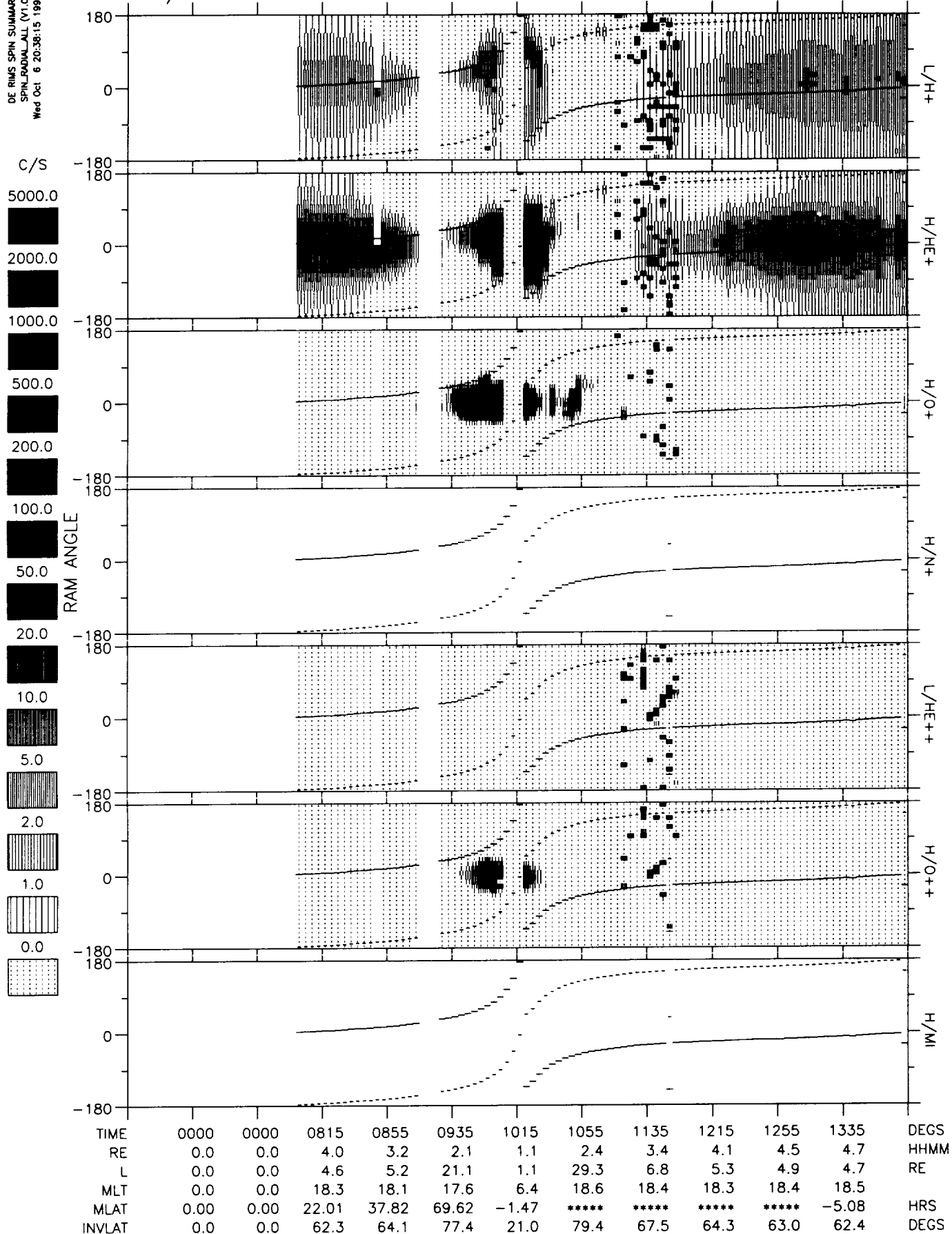
DE RIMS SPIN SUMMARY
SPIN/DUAL/ALL (V1.0)
Wed Oct 6 20:37:14 1993

82/142 22-MAY 2300:00 - 0700:00 HEAD= RL RPA= 0 to 1000 BIAS= A



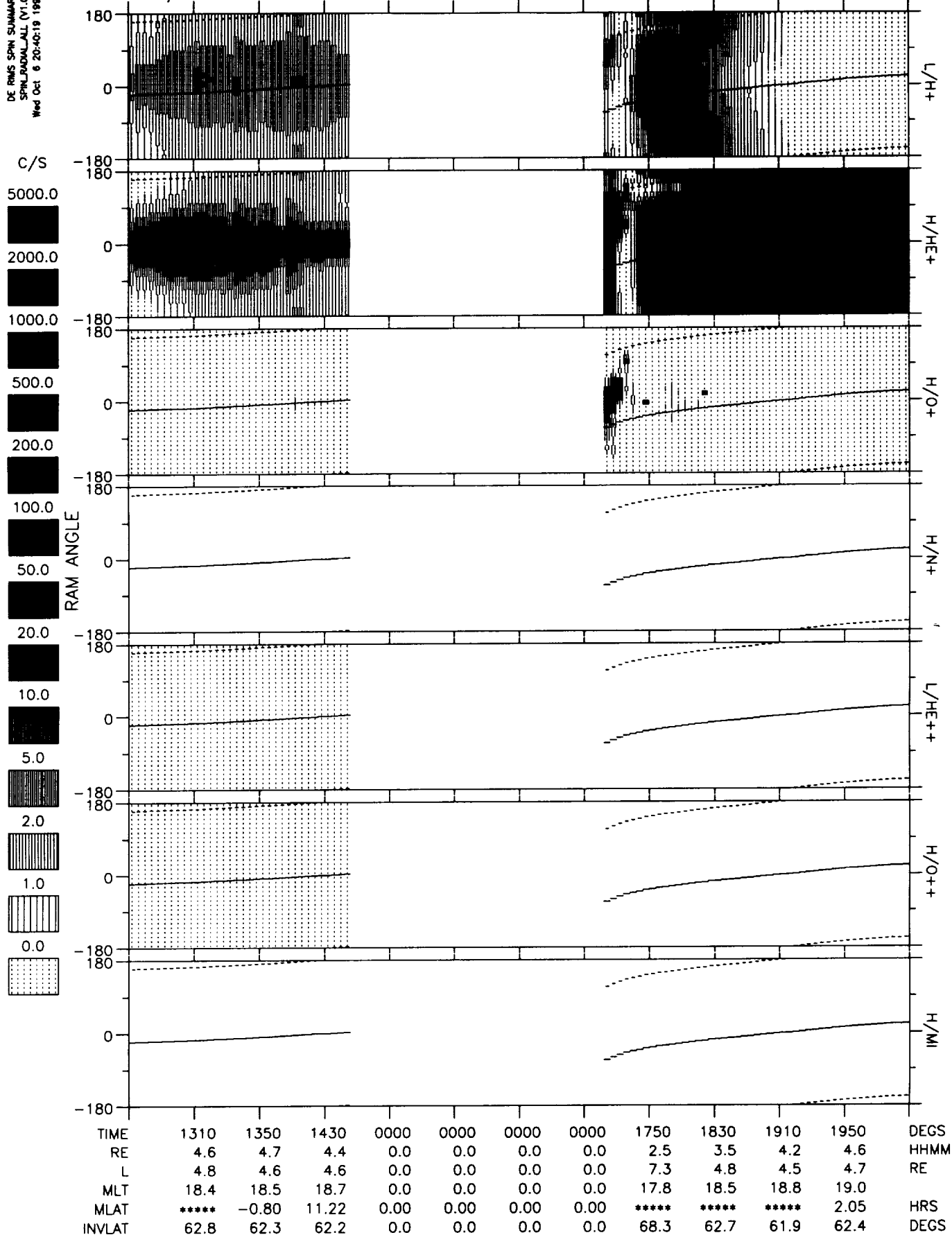
DE RIMS SPIN SUMMARY
SPINRADIALALL (V1.0)
Wed Oct 6 20:38:15 1993

82/143 23-MAY 0615:00 - 1415:00 HEAD= RL RPA= 0 to 1000 BIAS= A



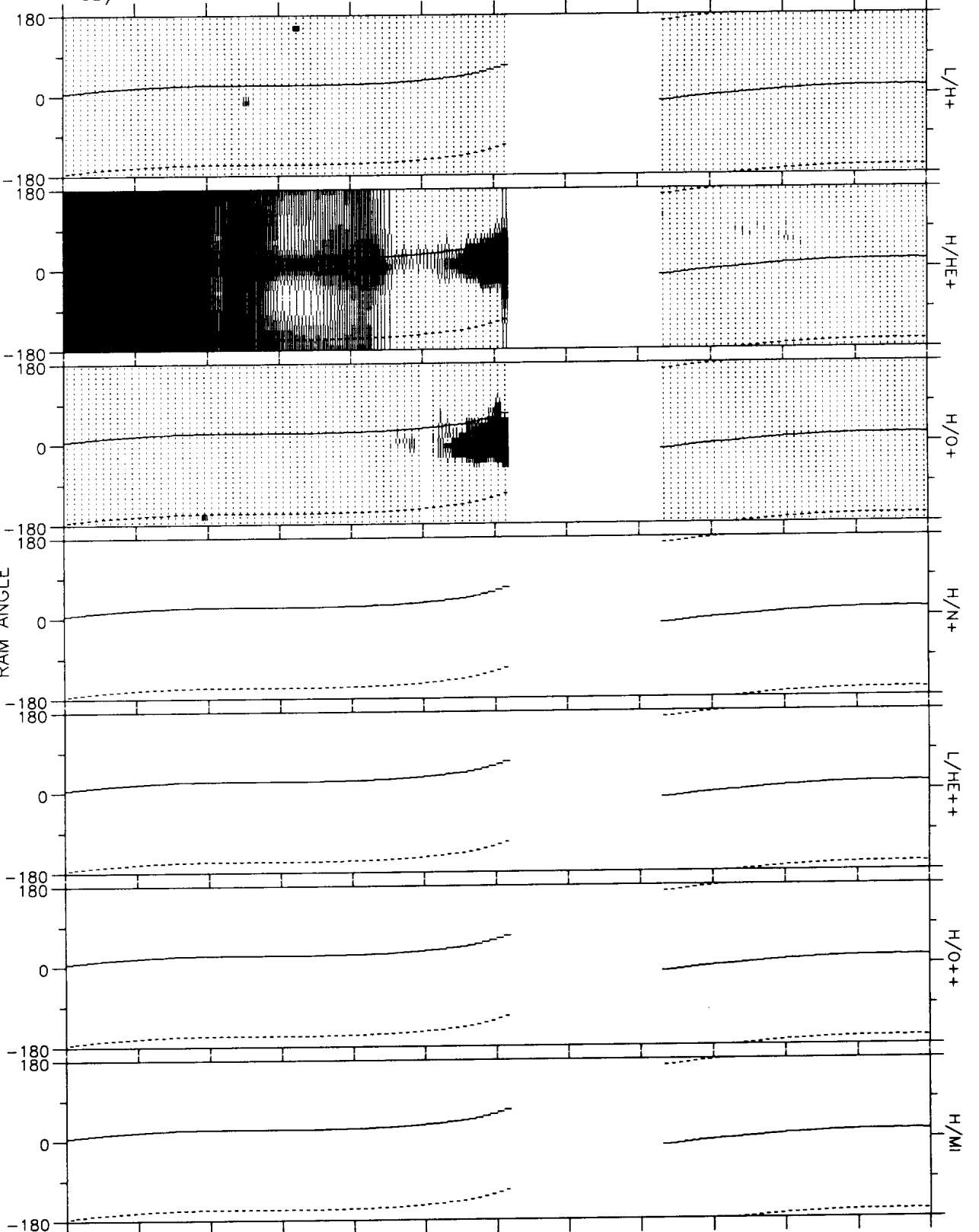
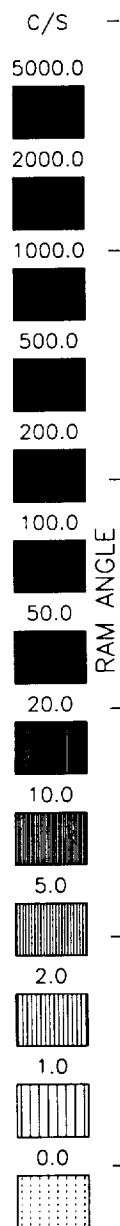
DE RMS SPIN SUMMARY
SPINRADIAL (V1.0)
Wed Oct 6 20:40:19 1993

82/143 23-MAY 1230:00 - 2030:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN-RADIAL-ALL (V1.0)
Wed Oct 6 20:42:29 1993

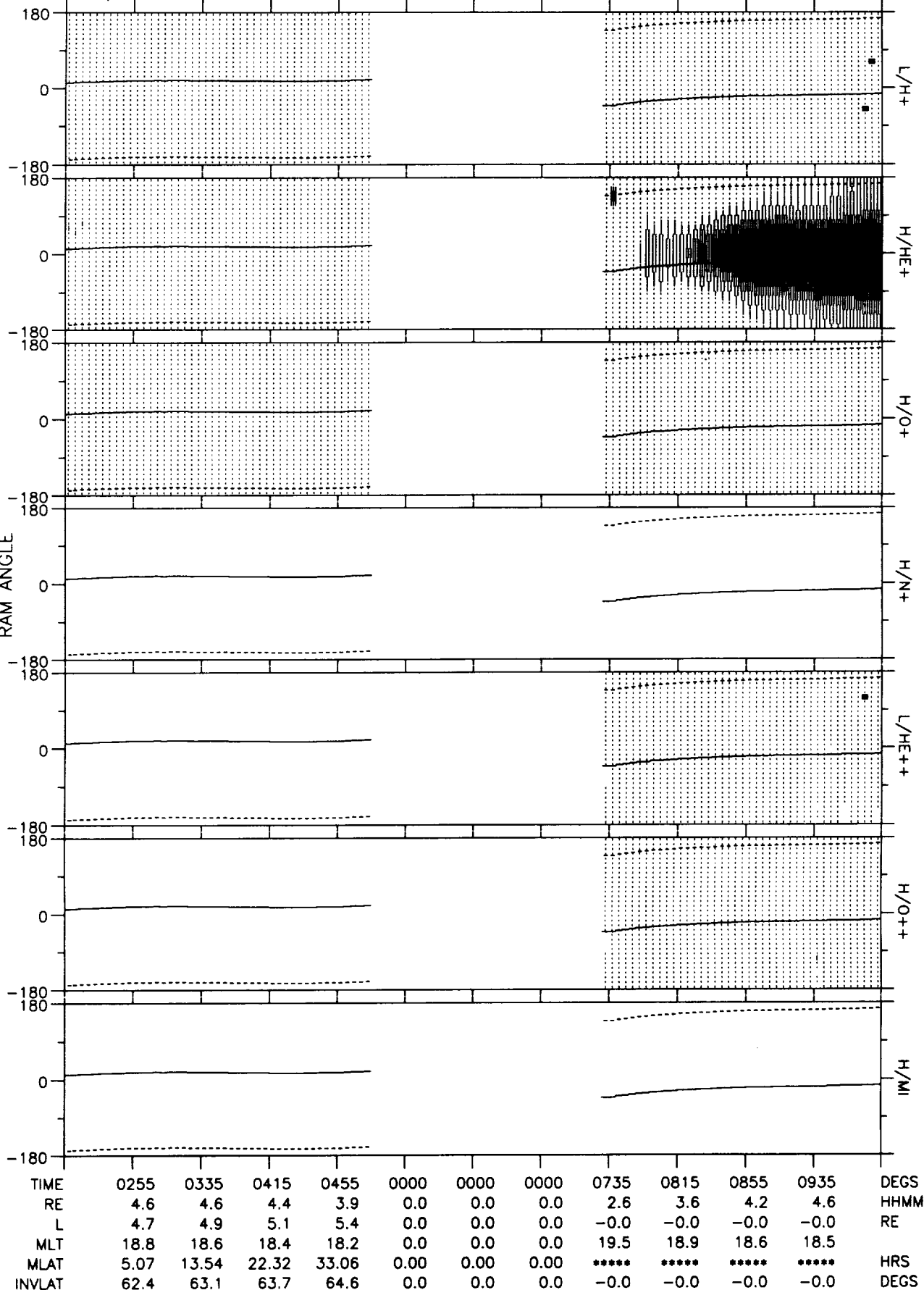
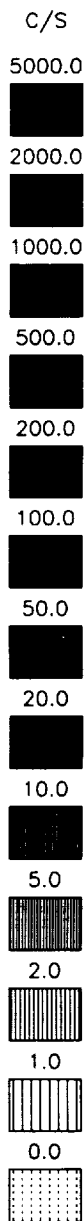
82/143 23-MAY 1930:00 - 0330:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	2010	2050	2130	2210	2250	2330	0000	0000	0130	0210	0250	DEGS
RE	4.7	4.6	4.3	3.8	2.9	1.6	0.0	0.0	3.7	4.3	4.6	HHMM
L	4.8	5.2	6.0	7.7	15.4	11.0	0.0	0.0	4.1	4.4	4.6	RE
MLT	19.0	19.1	19.2	19.2	19.2	7.1	0.0	0.0	19.0	18.9	18.8	HRS
MLAT	8.04	19.65	31.77	46.07	65.06	64.71	0.00	0.00	*****	-5.66	3.96	DEGS
INVLAT	62.8	64.0	65.8	68.8	75.2	72.4	0.0	0.0	60.5	61.4	62.3	

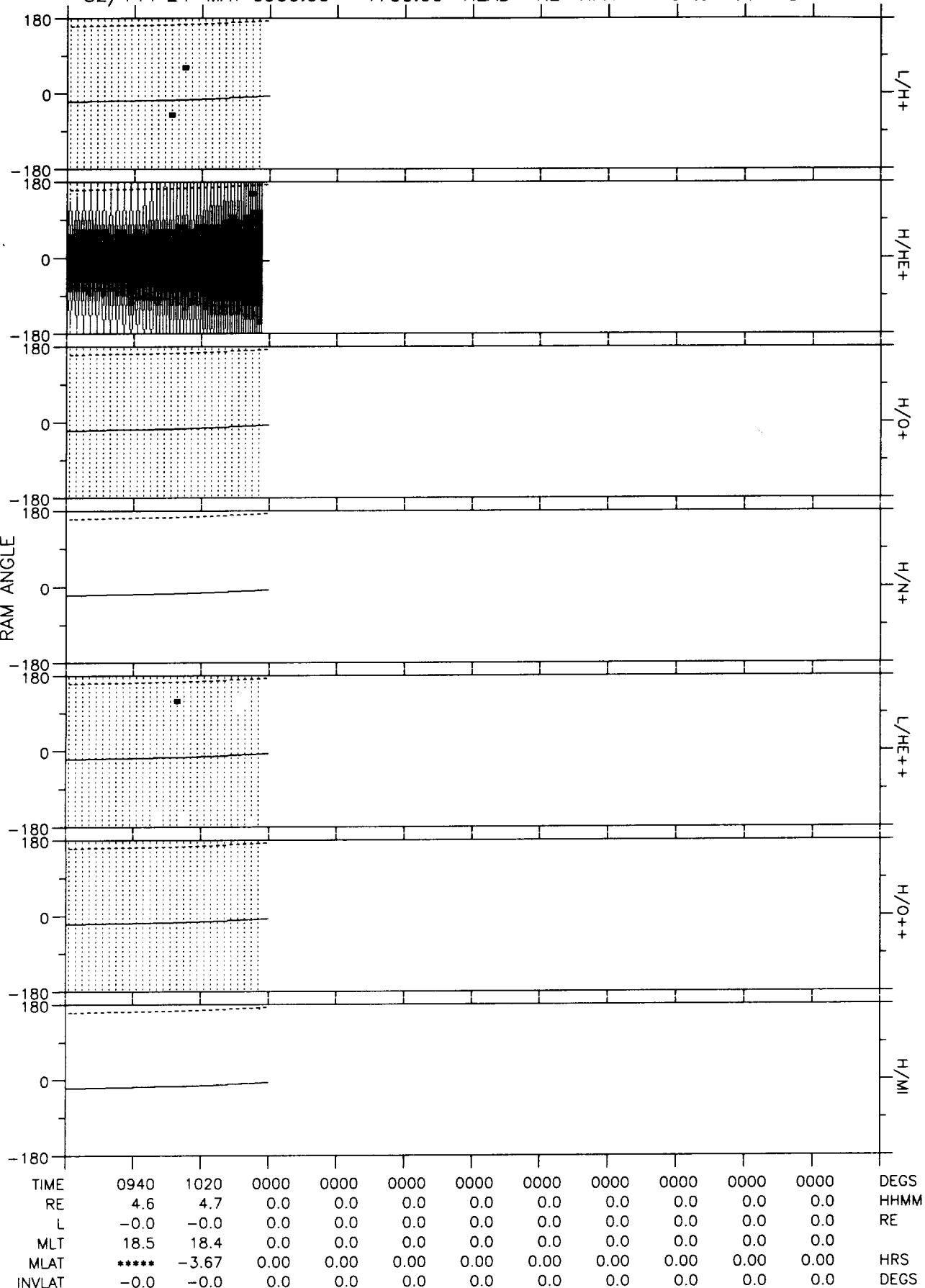
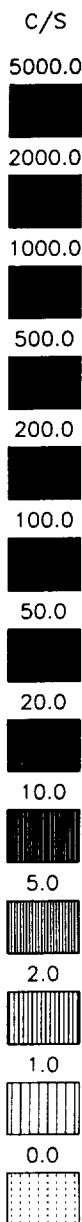
DE RIMS SPIN SUMMARY
SPIN/DUAL/LALL (V1.0)
Wed Oct 6 20:44:22 1993

82/144 24-MAY 0215:00 - 1015:00 HEAD= RL RPA= 0 to 1000 BIAS= A



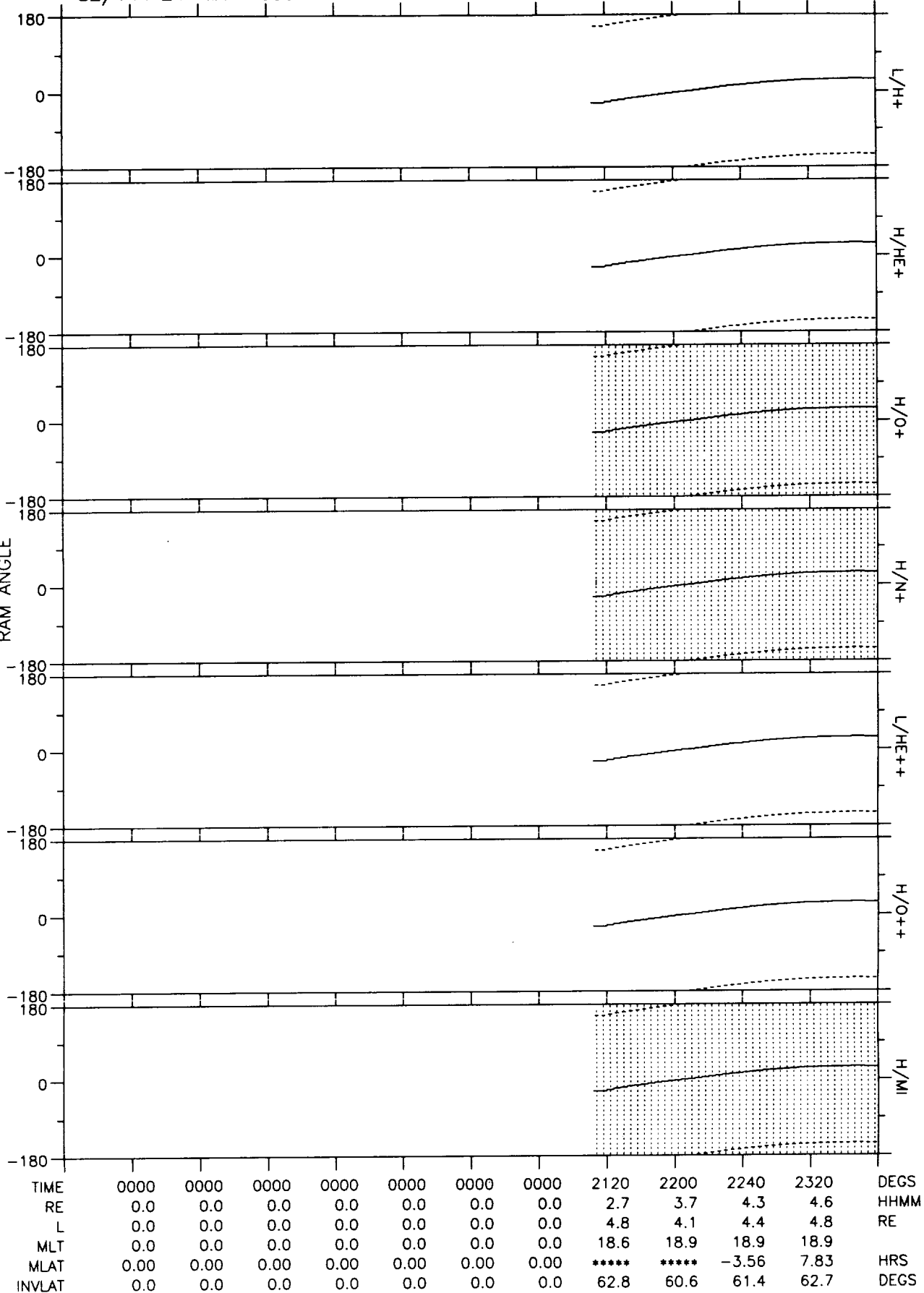
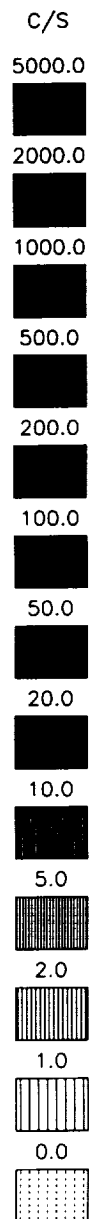
DE RIMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Wed Oct 6 20:45:59 1993

82/144 24-MAY 0900:00 - 1700:00 HEAD= RL RPA= 0 to 1000 BIAS= A



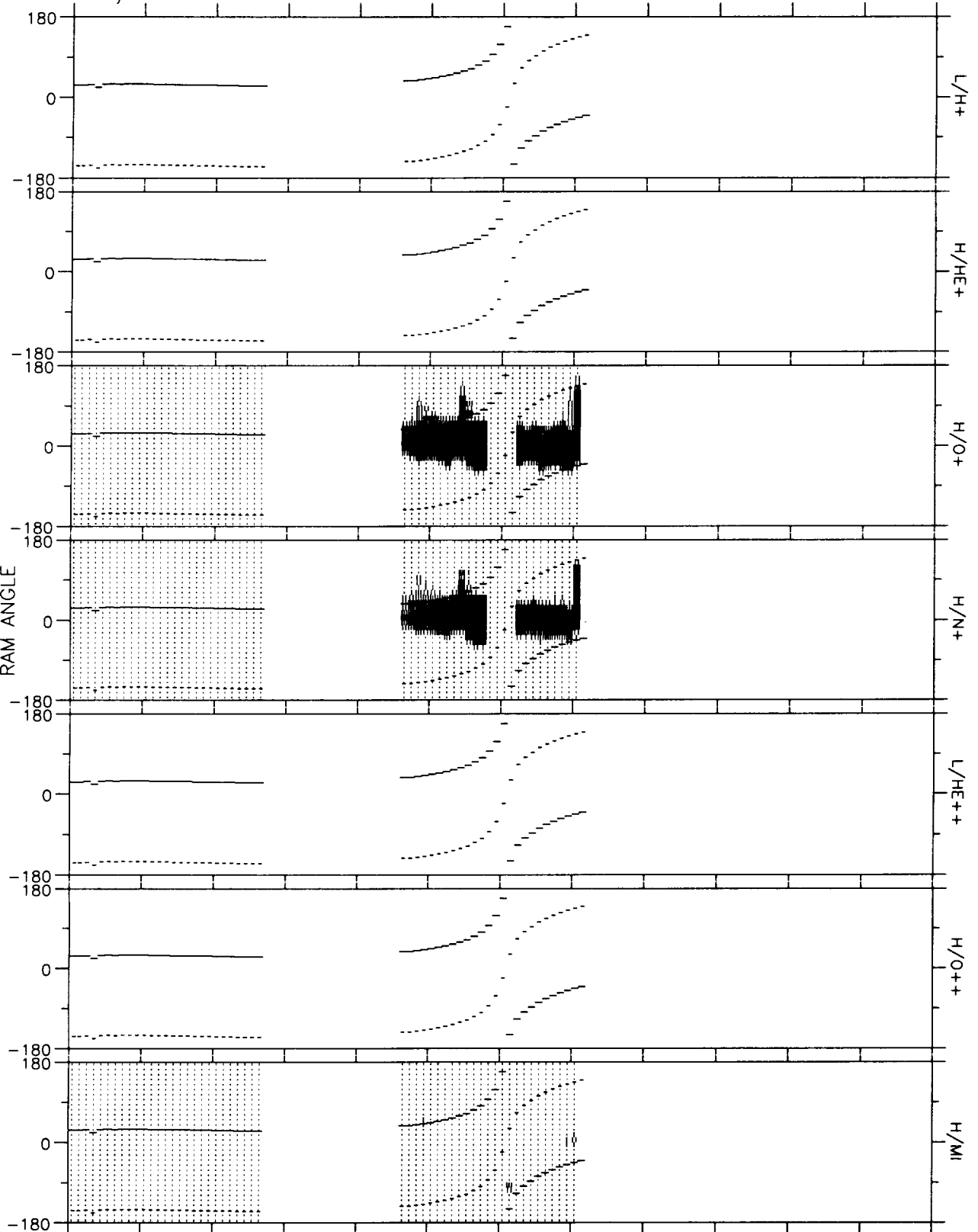
DE RMS SPIN SUMMARY
SPINRADIAL (V1.0)
Wed Oct 6 20:47:22 1993

82/144 24-MAY 1600:00 - 0000:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN/RADIAL (V1.0)
Wed Oct 6 20:48:34 1993

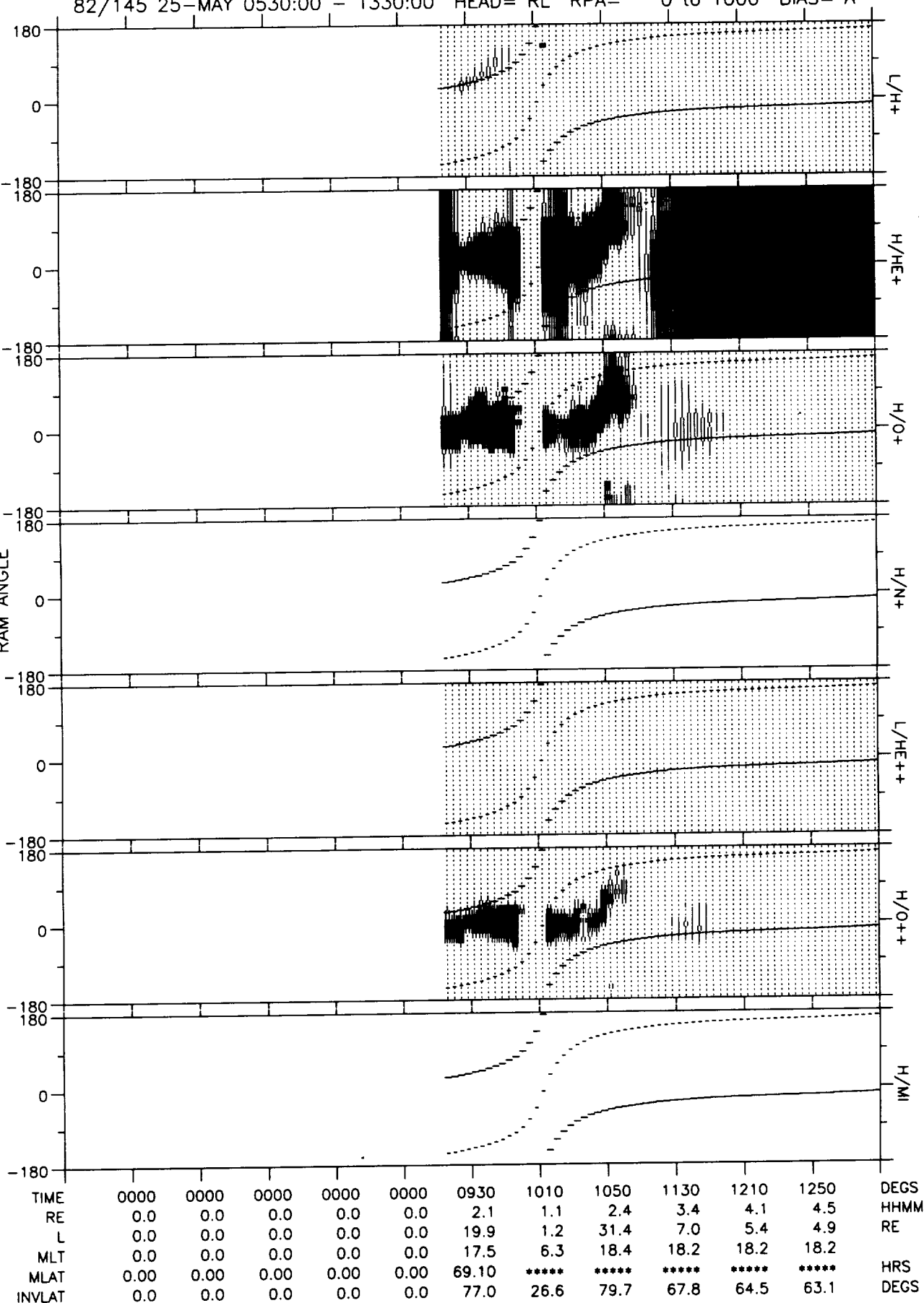
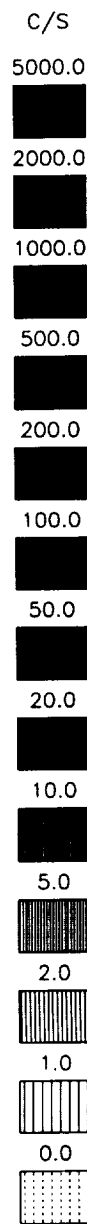
82/144 24-MAY 2315:00 - 0715:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	2355	0035	0000	0000	0235	0315	0355	0000	0000	0000	0000	DEGS
RE	4.7	4.5	0.0	0.0	2.2	1.1	2.2	0.0	0.0	0.0	0.0	HHMM
L	5.2	5.7	0.0	0.0	58.7	1.1	9.3	0.0	0.0	0.0	0.0	RE
MLT	18.9	18.7	0.0	0.0	15.6	6.6	20.0	0.0	0.0	0.0	0.0	
MLAT	16.70	26.73	0.00	0.00	78.04	*****	*****	0.00	0.00	0.00	0.00	HRS
INVLAT	63.9	65.2	0.0	0.0	82.5	18.4	70.8	0.0	0.0	0.0	0.0	DEGS

DE RMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Thu Oct 7 10:05:15 1993

82/145 25-MAY 0530:00 - 1330:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Thu Oct 7 10:07:12 1993

82/145 25-MAY 1230:00 - 2030:00 HEAD= RL RPA= 0 to 1000 BIAS= A

C/S

5000.0

2000.0

1000.0

500.0

200.0

100.0

50.0

20.0

10.0

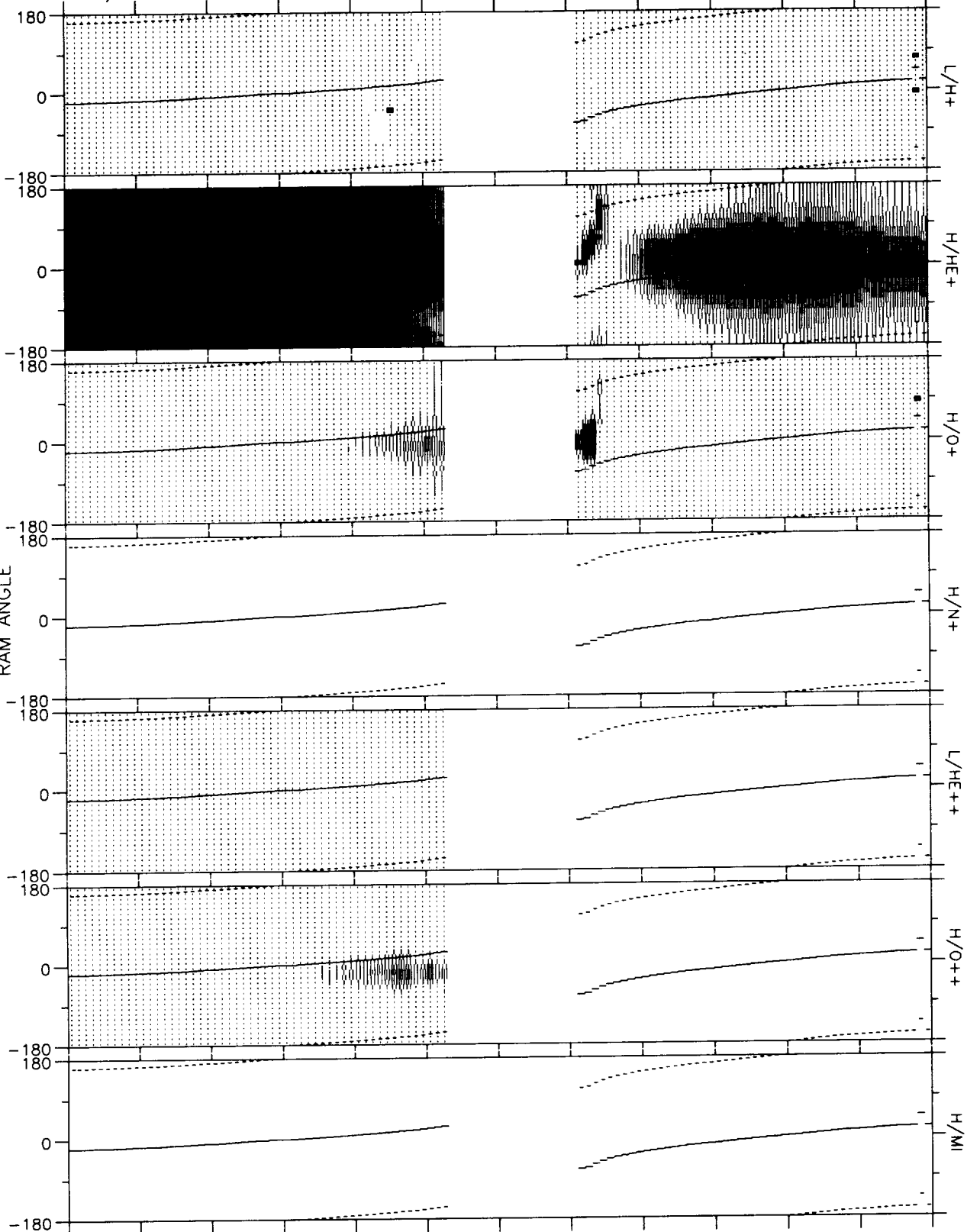
5.0

2.0

1.0

0.0

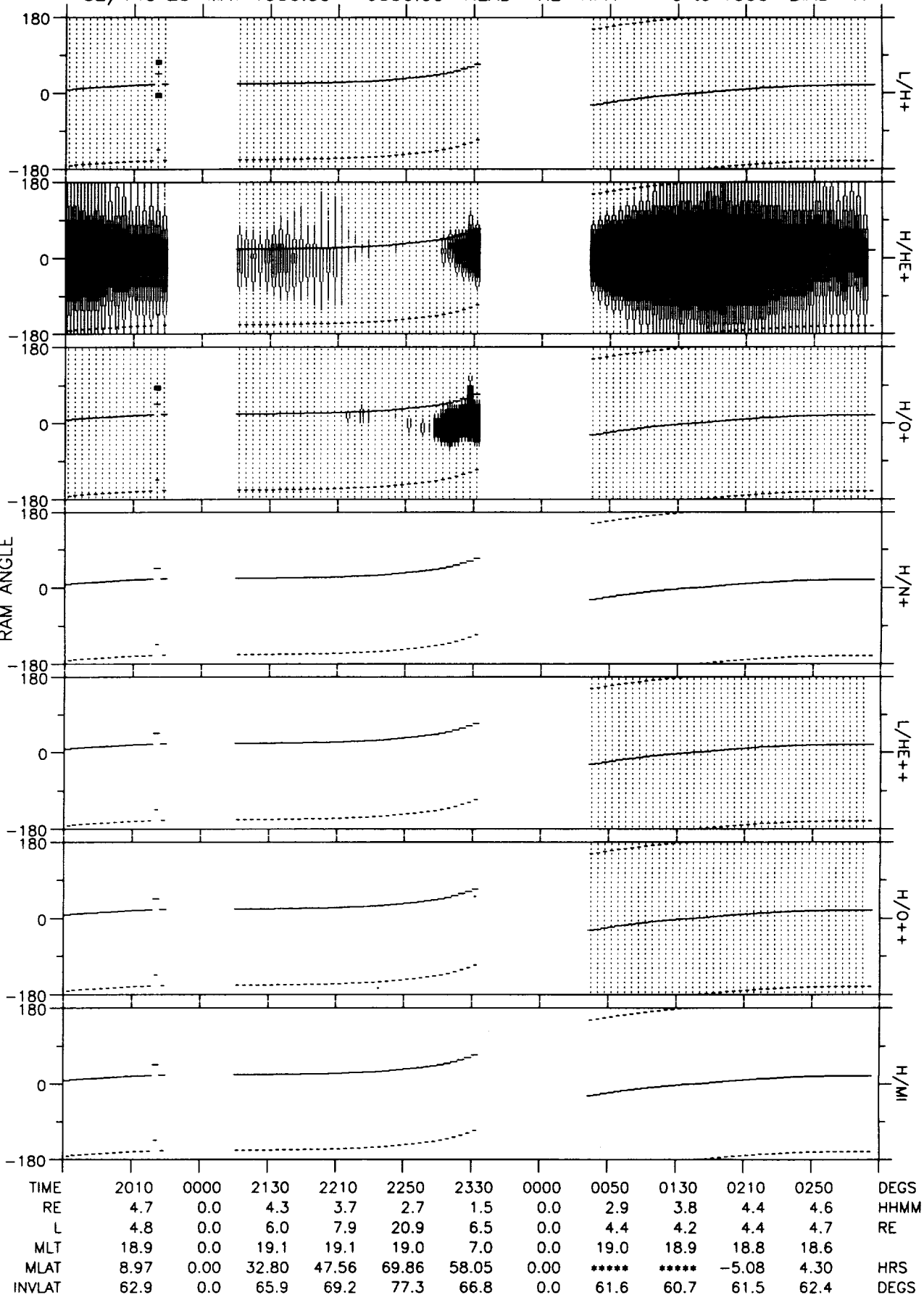
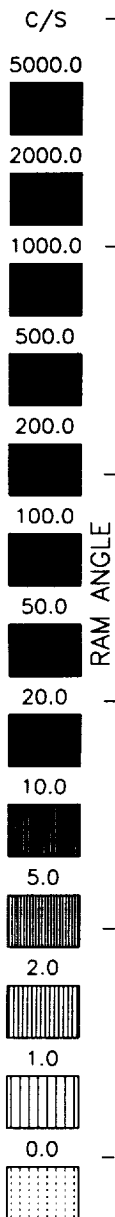
RAM ANGLE



TIME	1310	1350	1430	1510	1550	0000	0000	1750	1830	1910	1950	DEGS
RE	4.6	4.6	4.4	3.9	3.0	0.0	0.0	2.6	3.6	4.3	4.6	HHMM
L	4.8	4.6	4.6	4.8	6.4	0.0	0.0	6.6	4.7	4.5	4.7	RE
MLT	18.3	18.4	18.6	18.9	19.4	0.0	0.0	17.8	18.4	18.7	18.9	HRS
MLAT	*****	0.10	12.32	26.84	47.20	0.00	0.00	*****	*****	-9.82	3.03	DEGS
INVLAT	62.8	62.3	62.2	62.9	66.8	0.0	0.0	67.1	62.5	61.9	62.5	

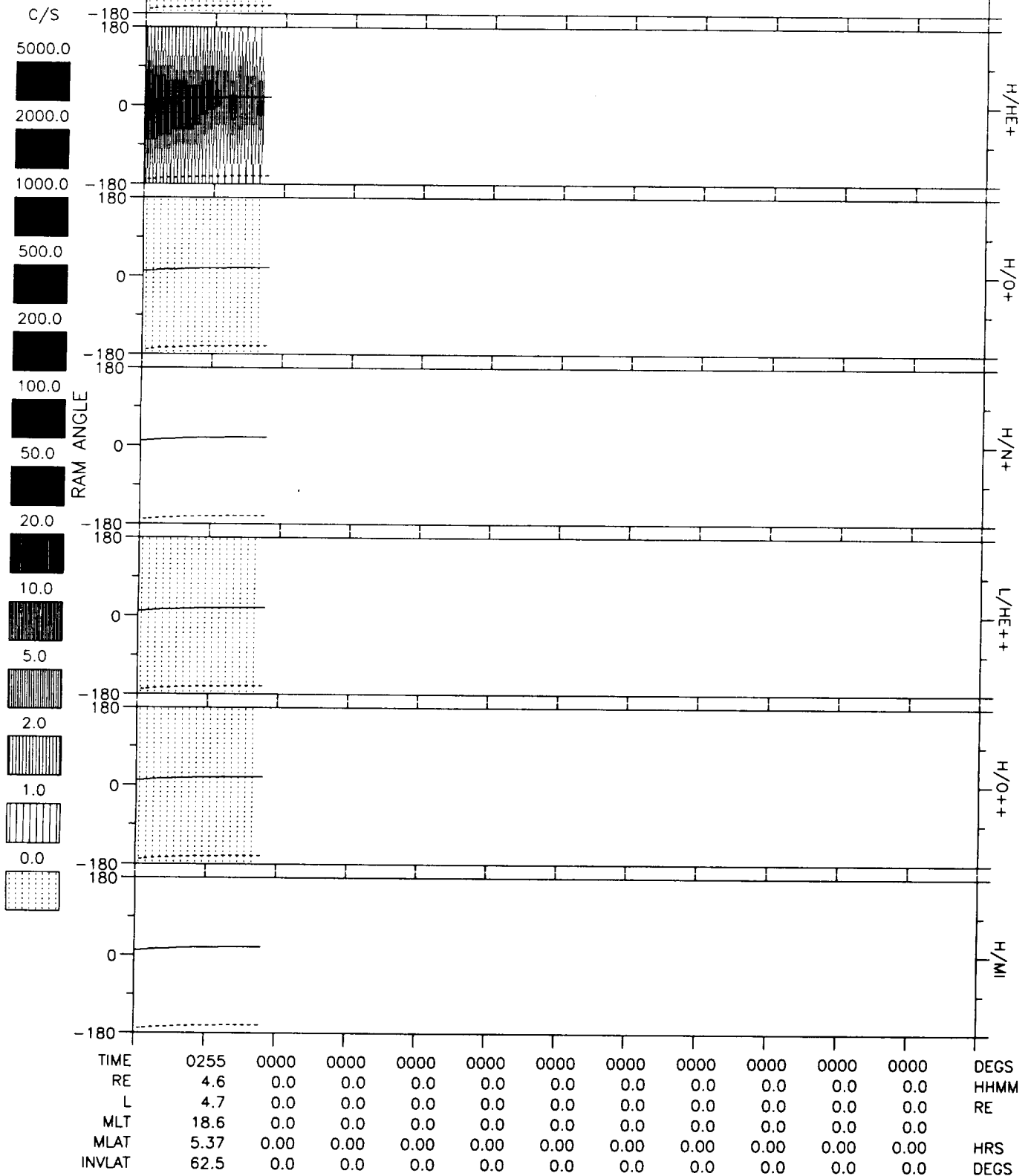
DE RIMS SPIN SUMMARY
SPIN/DUAL/ALL (V1.0)
Thu Oct 7 10:09:27 1993

82/145 25-MAY 1930:00 - 0330:00 HEAD= RL RPA= 0 to 1000 BIAS= A



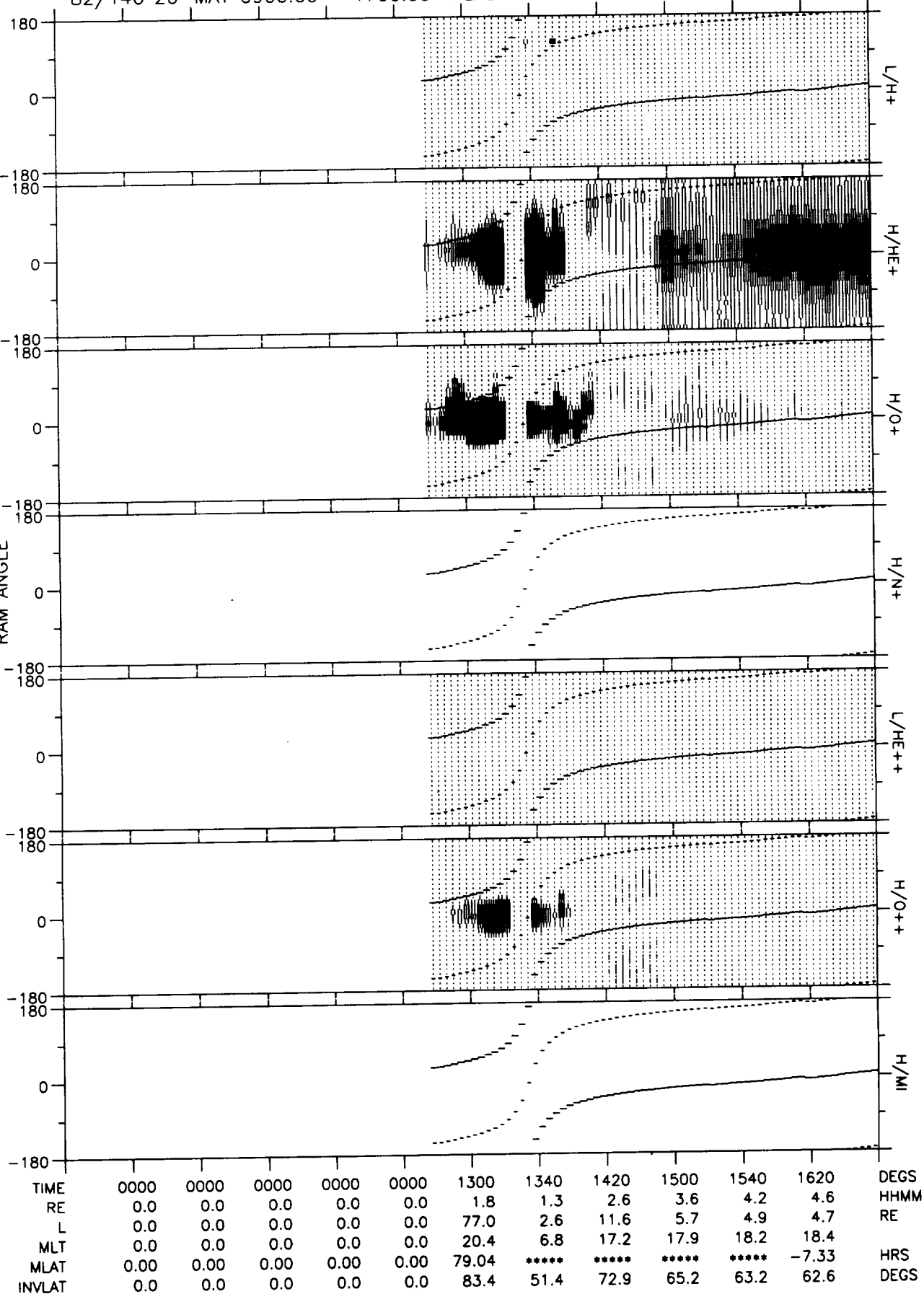
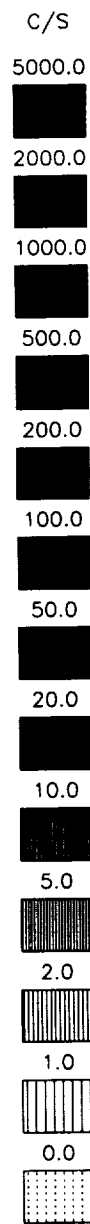
DE RMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Thu Oct 7 10:11:14 1993

82/146 26-MAY 0215:00 - 1015:00 HEAD= RL RPA= 0 to 1000 BIAS= A



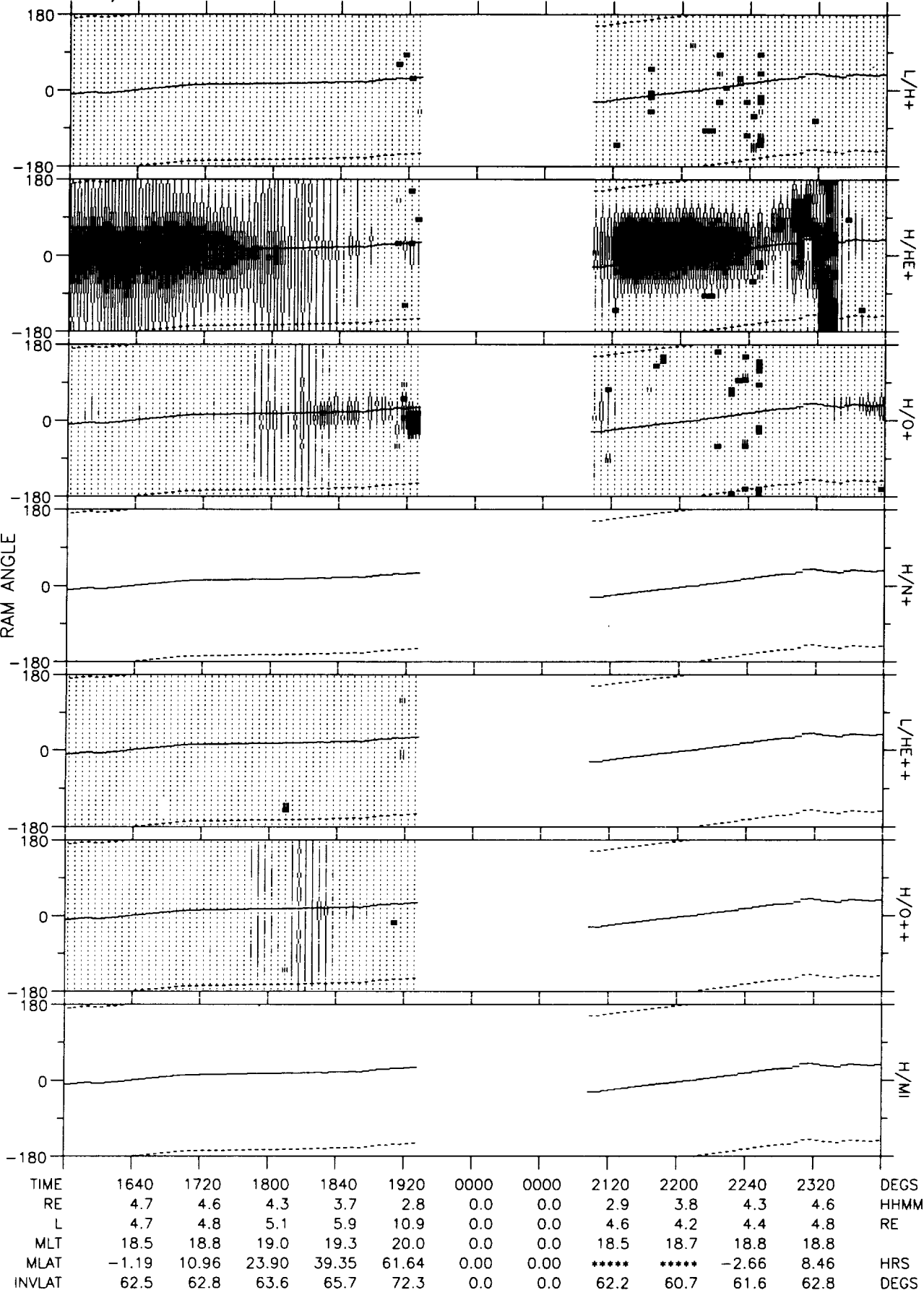
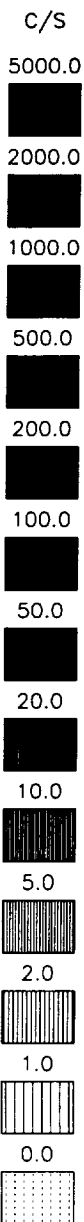
DE RMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Thu Oct 7 10:12:24 1993

82/146 26-MAY 0900:00 - 1700:00 HEAD= RL RPA= 0 to 1000 BIAS= A



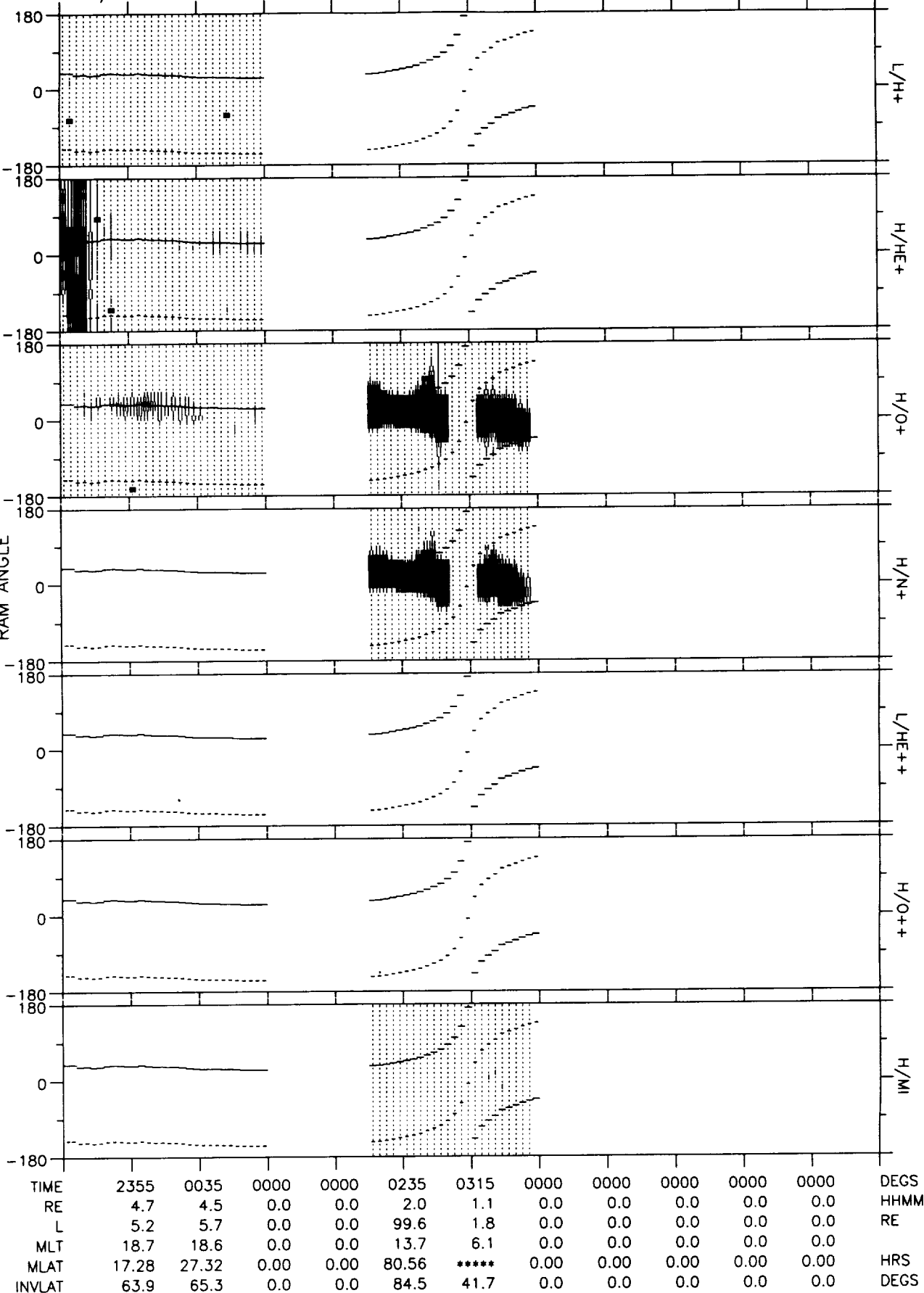
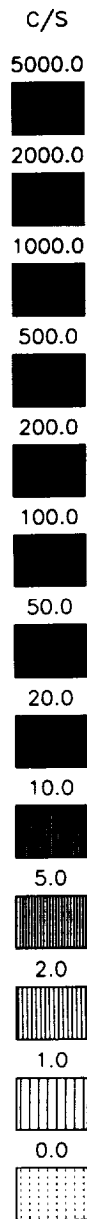
DE RIMS SPIN SUMMARY
SPIN/RADIAL ALL (V1.0)
Thu Oct 7 10:14:08 1993

82/146 26-MAY 1600:00 - 0000:00 HEAD= RL RPA= 0 to 1000 BIAS= A



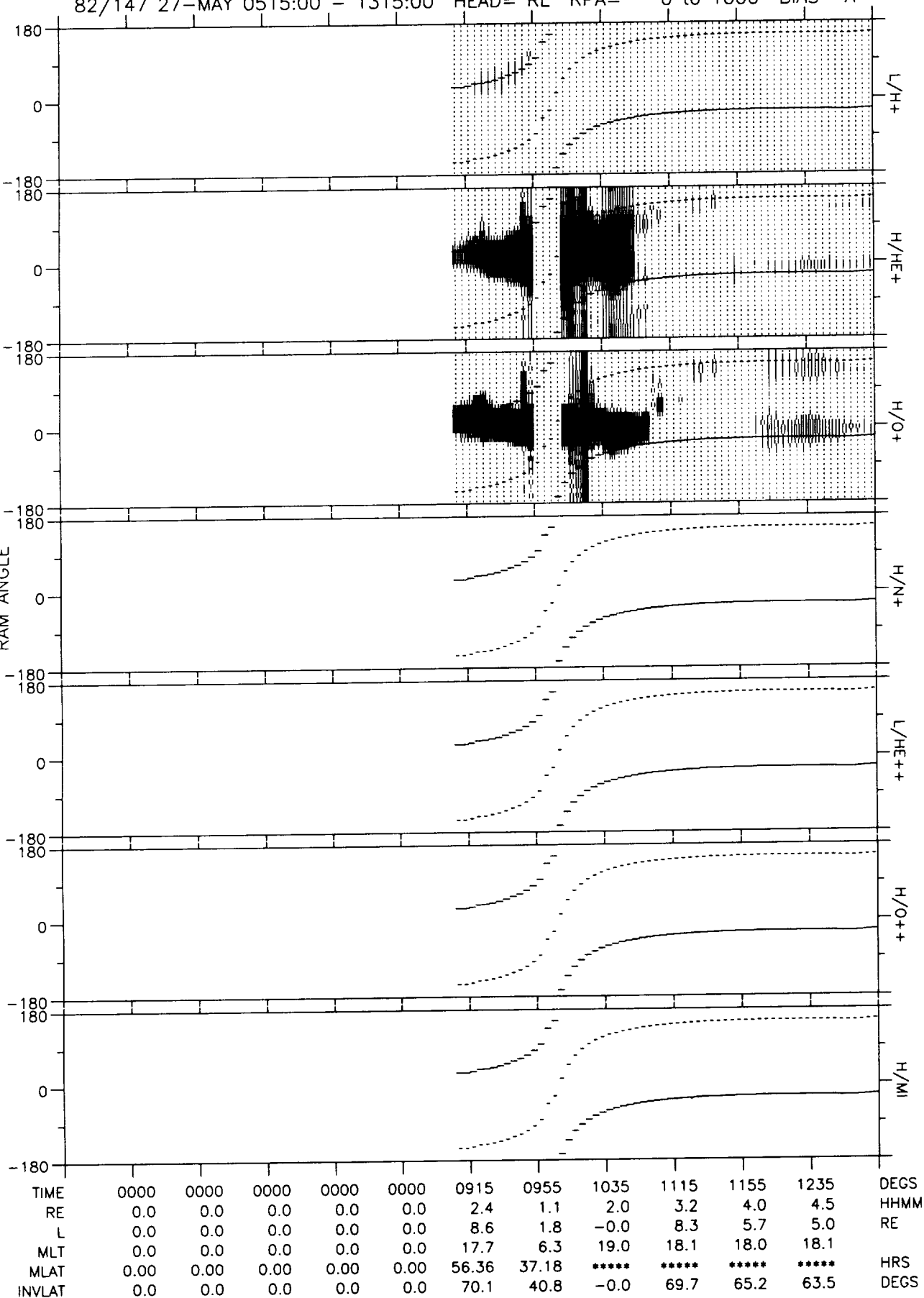
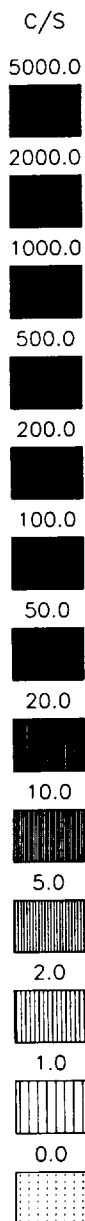
DE RMS SPIN SUMMARY
SPIN/RADIAL ALL (V1.0)
Thu Oct 7 10:15:58 1993

82/146 26-MAY 2315:00 - 0715:00 HEAD= RL RPA= 0 to 1000 BIAS= A



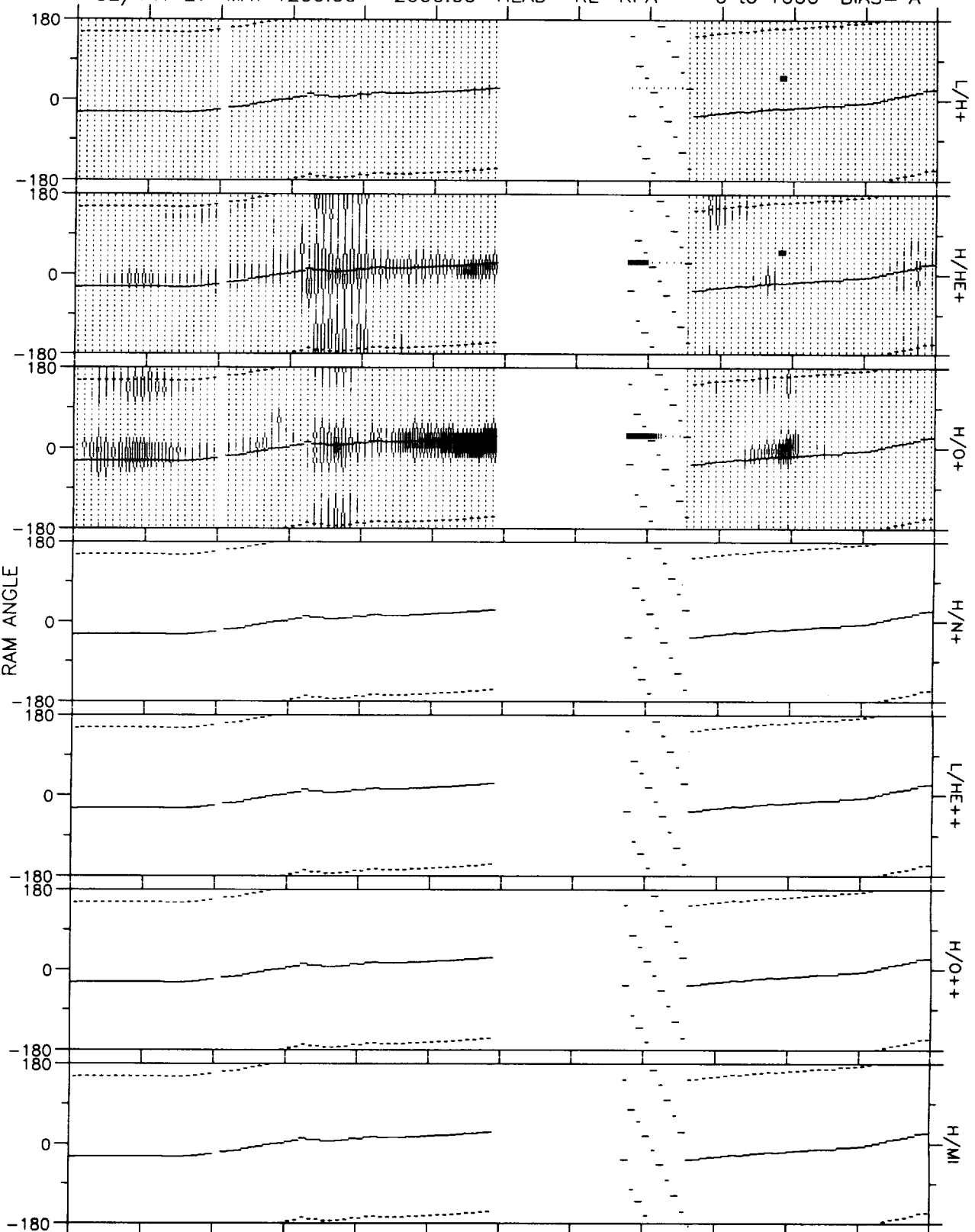
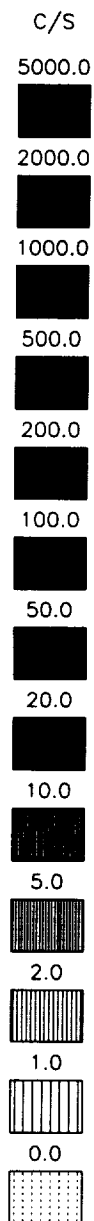
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Thu Oct 7 10:17:21 1993

82/147 27-MAY 0515:00 - 1315:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN_R0000_L (V1.0)
Thu Oct 7 10:18:48 1993

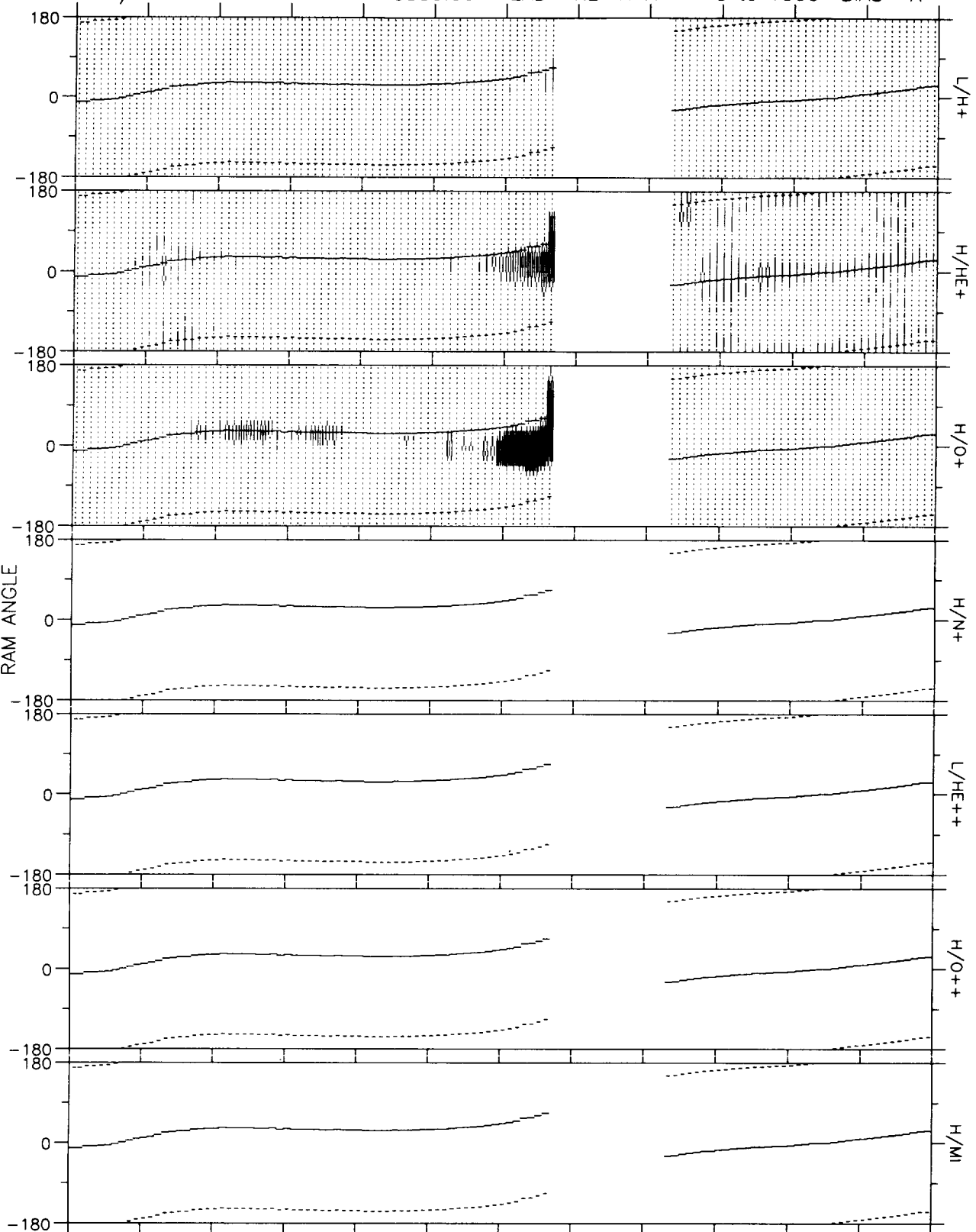
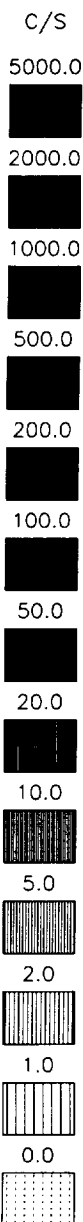
82/147 27-MAY 1200:00 - 2000:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	1240	0000	1400	1440	1520	0000	0000	1720	1800	1840	1920	DEGS
RE	4.5	0.0	4.6	4.2	3.6	0.0	0.0	0.0	3.1	3.9	4.4	HHMM
L	5.0	0.0	4.6	4.6	5.0	0.0	0.0	-0.0	5.4	4.6	4.6	RE
MLT	18.1	0.0	18.3	18.5	18.8	0.0	0.0	-0.0	18.0	18.4	18.6	
MLAT	*****	0.00	3.99	16.83	32.97	0.00	0.00	-0.01	*****	*****	-5.29	HRS
INVLAT	63.4	0.0	62.1	62.2	63.6	0.0	0.0	-0.0	64.6	62.2	62.1	DEGS

DE RMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Thu Oct 7 10:20:18 1993

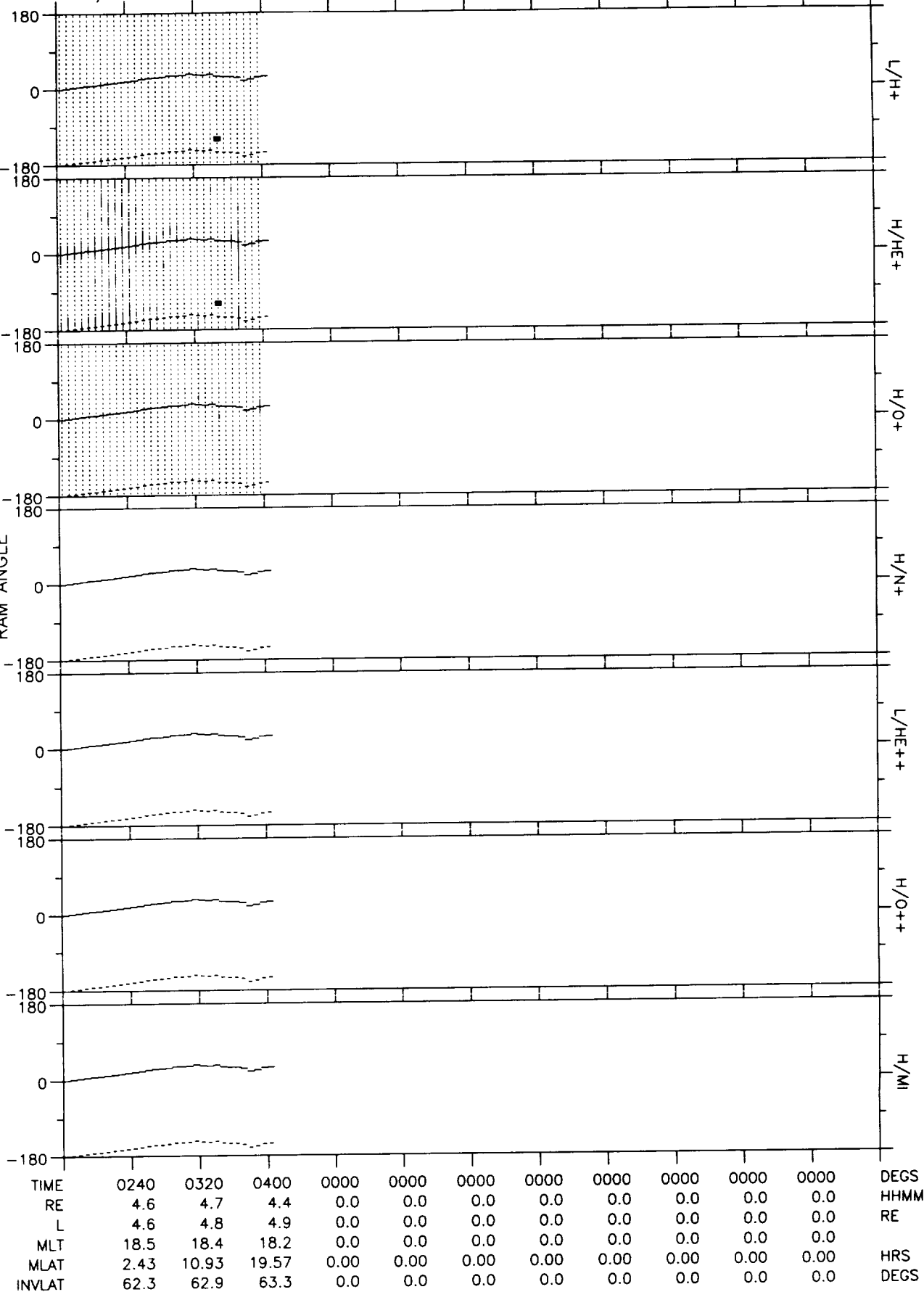
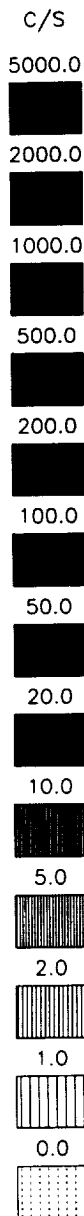
82/147 27-MAY 1900:00 - 0300:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	1940	2020	2100	2140	2220	2300	0000	0000	0100	0140	0220	DEGS
RE	4.6	4.7	4.5	4.1	3.4	2.3	0.0	0.0	3.3	4.0	4.5	HHMM
L	4.7	4.9	5.4	6.4	9.4	100.0	0.0	0.0	4.2	4.3	4.5	RE
MLT	18.7	18.8	18.9	18.9	18.9	18.6	0.0	0.0	18.9	18.7	18.6	
MLAT	0.98	12.77	24.45	37.30	53.92	82.97	0.00	0.00	*****	*****	-2.12	HRS
INVLAT	62.4	63.3	64.6	66.7	71.0	84.4	0.0	0.0	61.0	61.1	61.9	DEGS

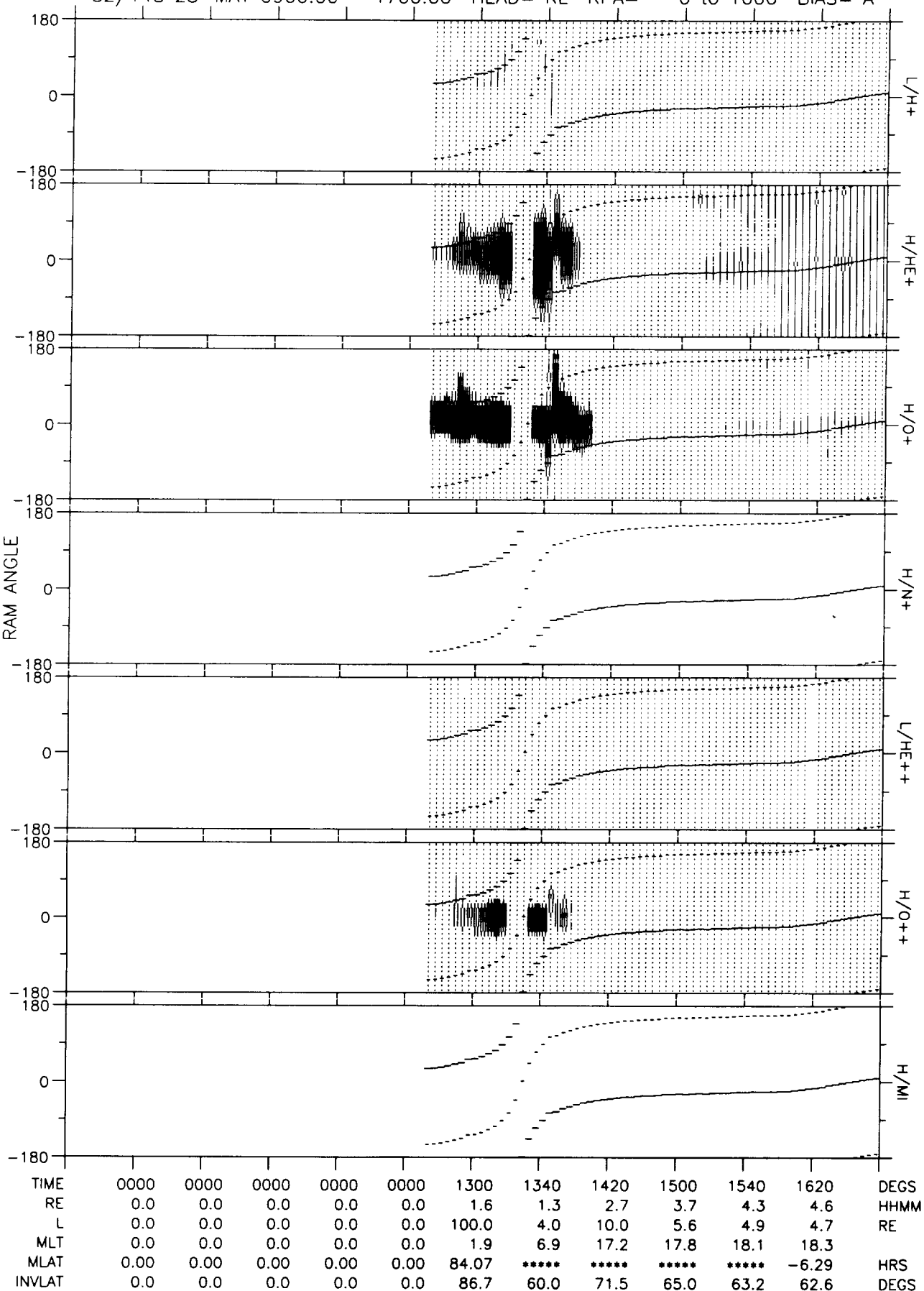
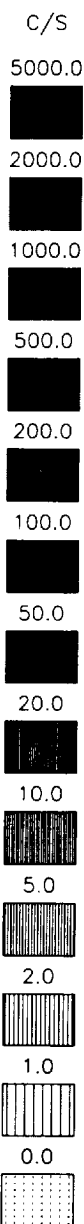
DE RMS SPIN SUMMARY
SPINDOWN ALL (V1.0)
Thu Oct 7 10:21:50 1993

82/148 28-MAY 0200:00 - 1000:00 HEAD= RL RPA= 0 to 1000 BIAS= A



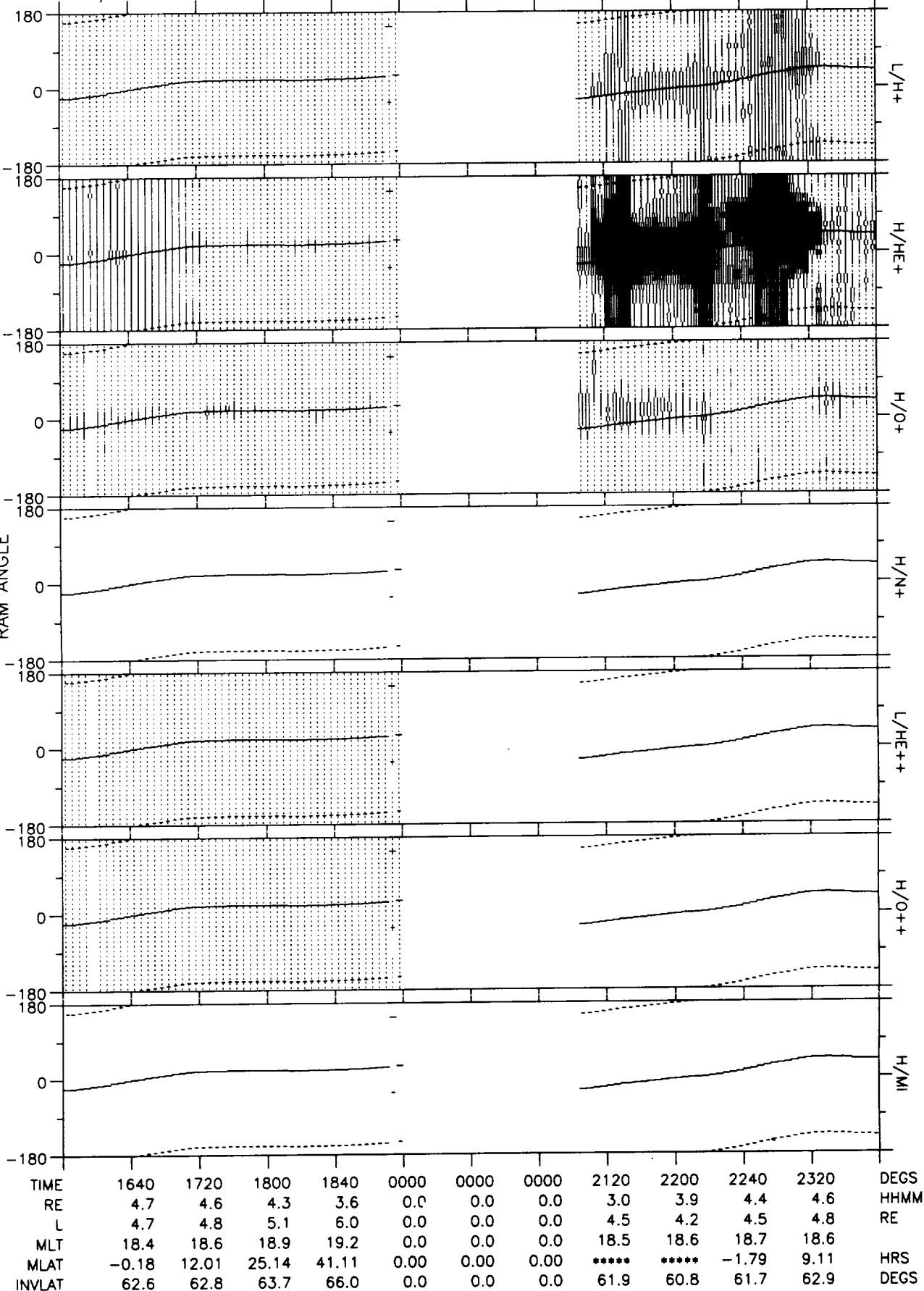
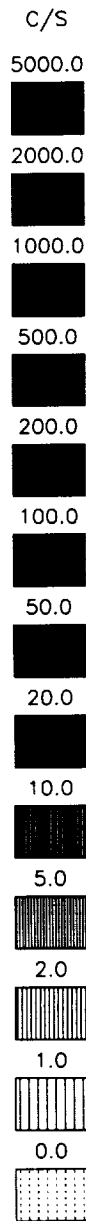
DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Thu Oct 7 10:22:57 1993

82/148 28-MAY 0900:00 - 1700:00 HEAD= RL RPA= 0 to 1000 BIAS= A



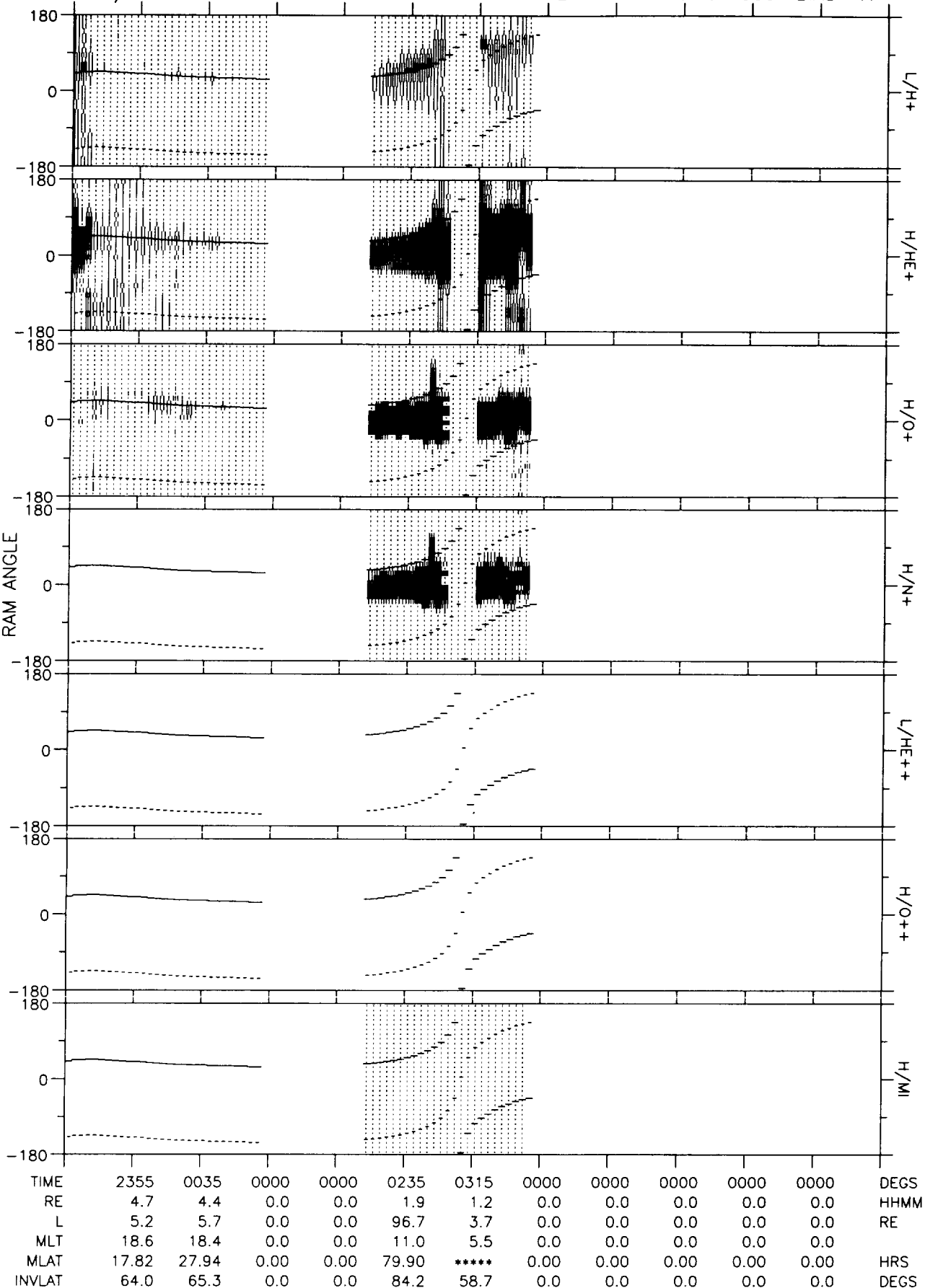
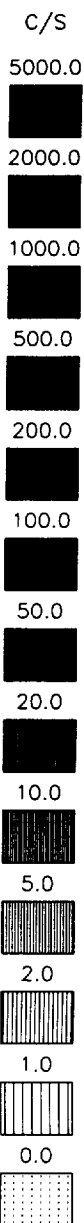
DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Thu Oct 7 10:24:34 1993

82/148 28-MAY 1600:00 - 0000:00 HEAD= RL RPA= 0 to 1000 BIAS= A



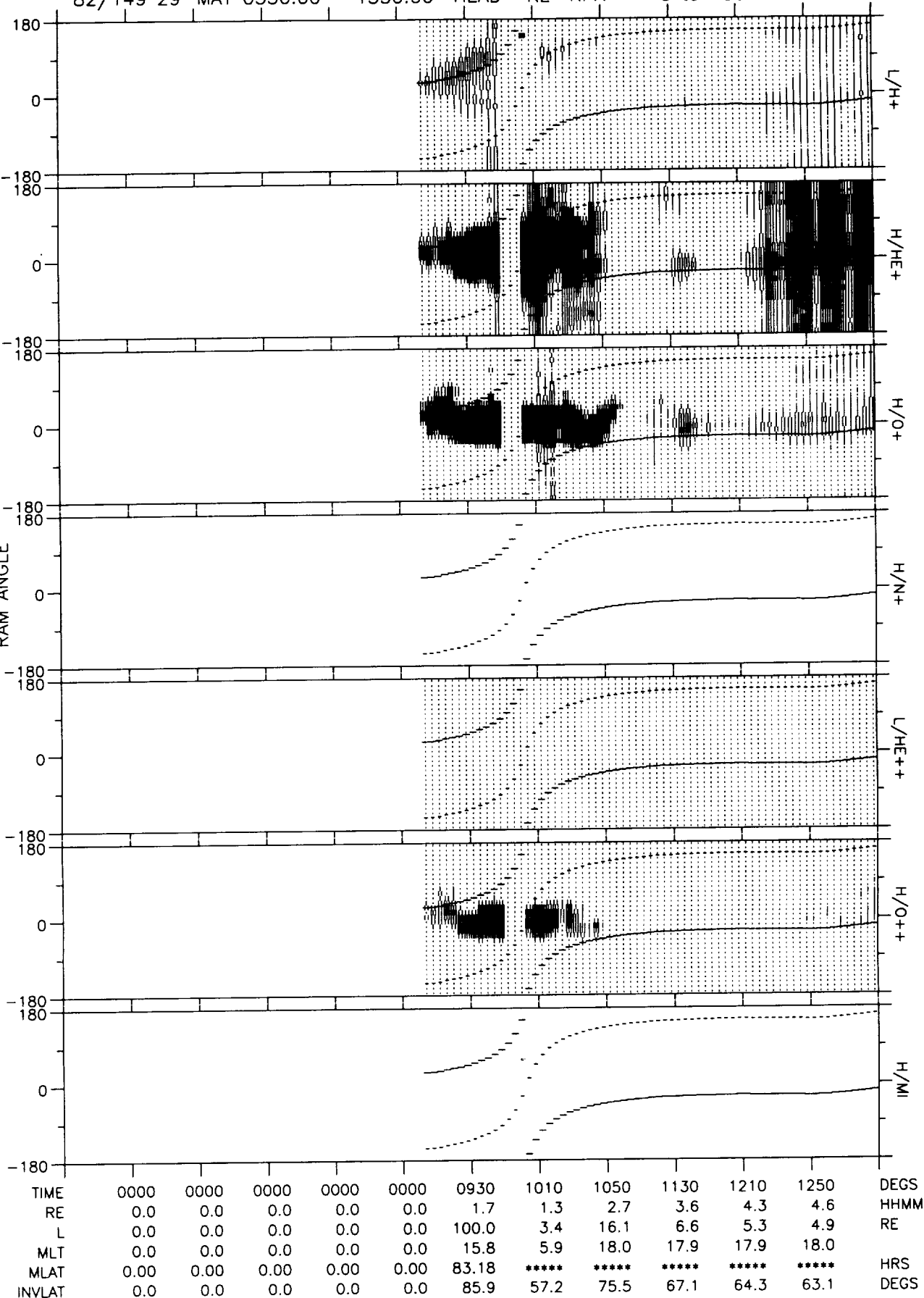
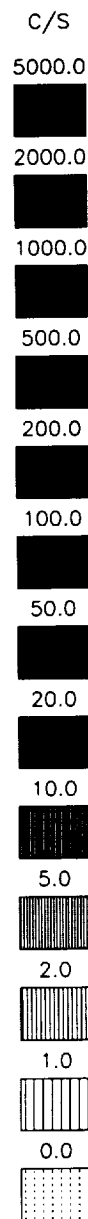
DE RIMS SPIN SUMMARY
SPINRADIALALL (V1.0)
Thu Oct 7 10:26:20 1993

82/148 28-MAY 2315:00 - 0715:00 HEAD= RL RPA= 0 to 1000 BIAS= A



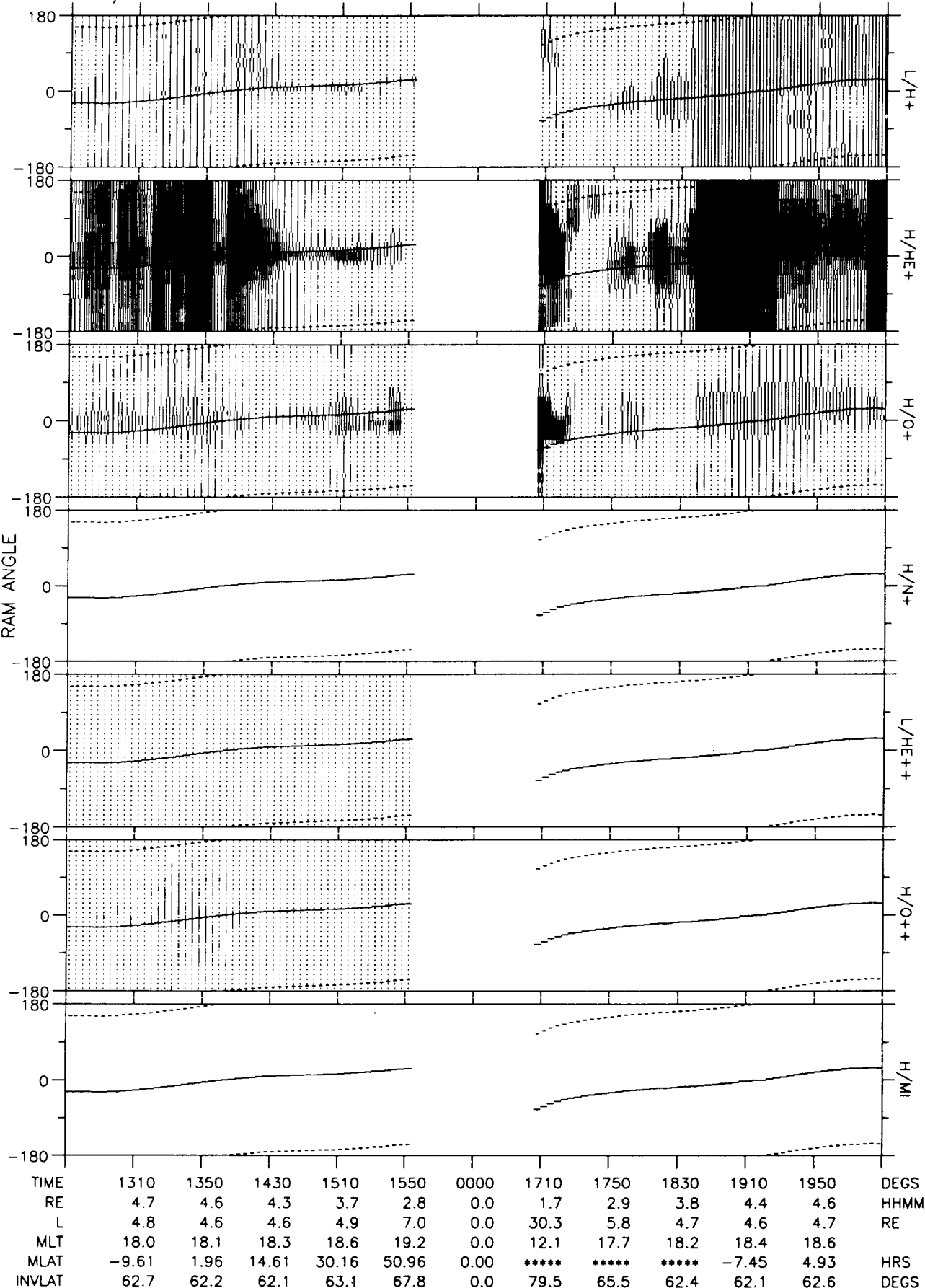
DE RUS SPIN SUMMARY
SPIN RADIAL (V1.0)
Thu Oct 7 10:27:49 1993

82/149 29-MAY 0530:00 - 1330:00 HEAD= RL RPA= 0 to 1000 BIAS= A



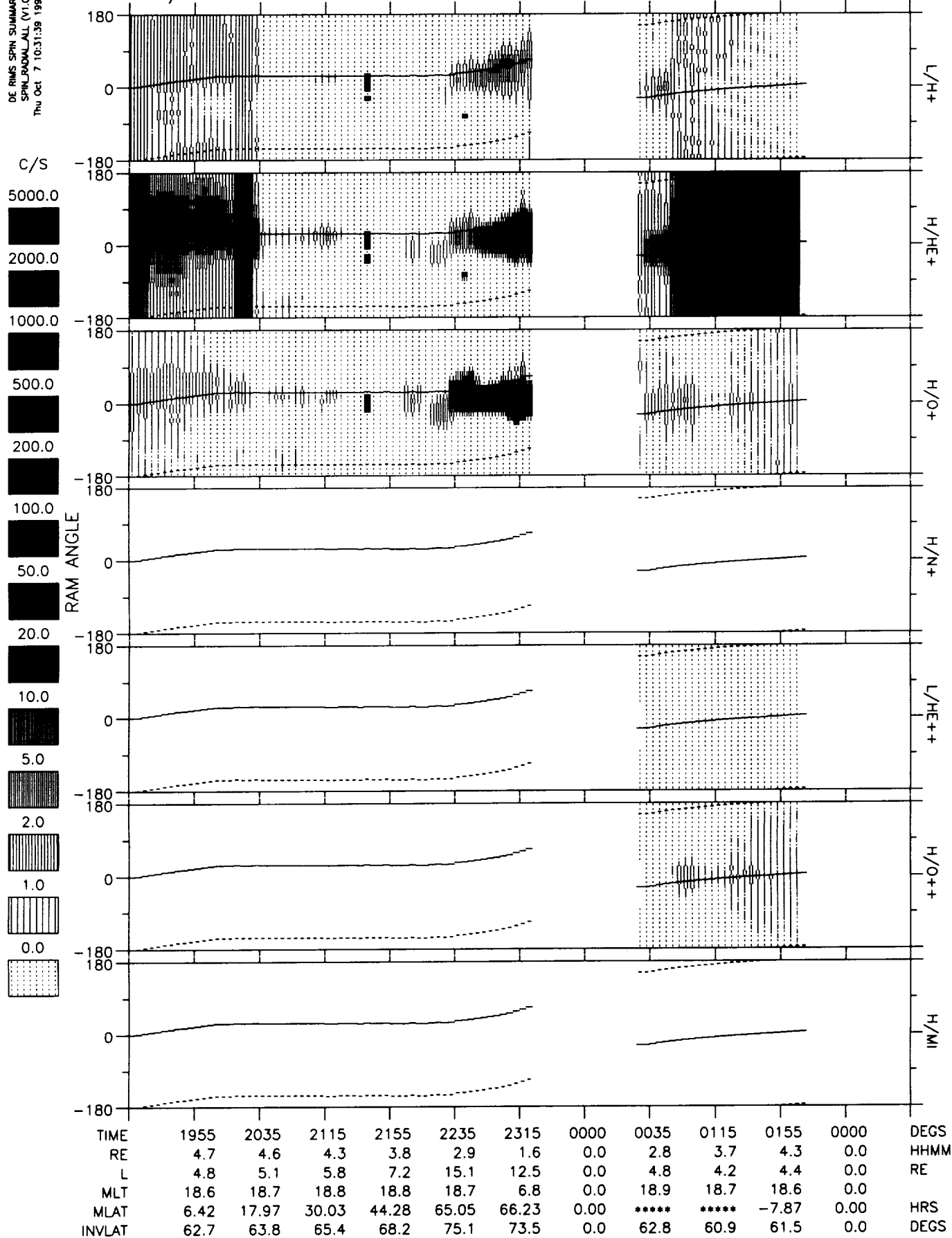
DE RIMS SPIN SUMMARY
SPIN_RADIAL (V1.0)
Thu Oct 7 10:29:35 1993

82/149 29-MAY 1230:00 - 2030:00 HEAD= RL RPA= 0 to 1000 BIAS= A



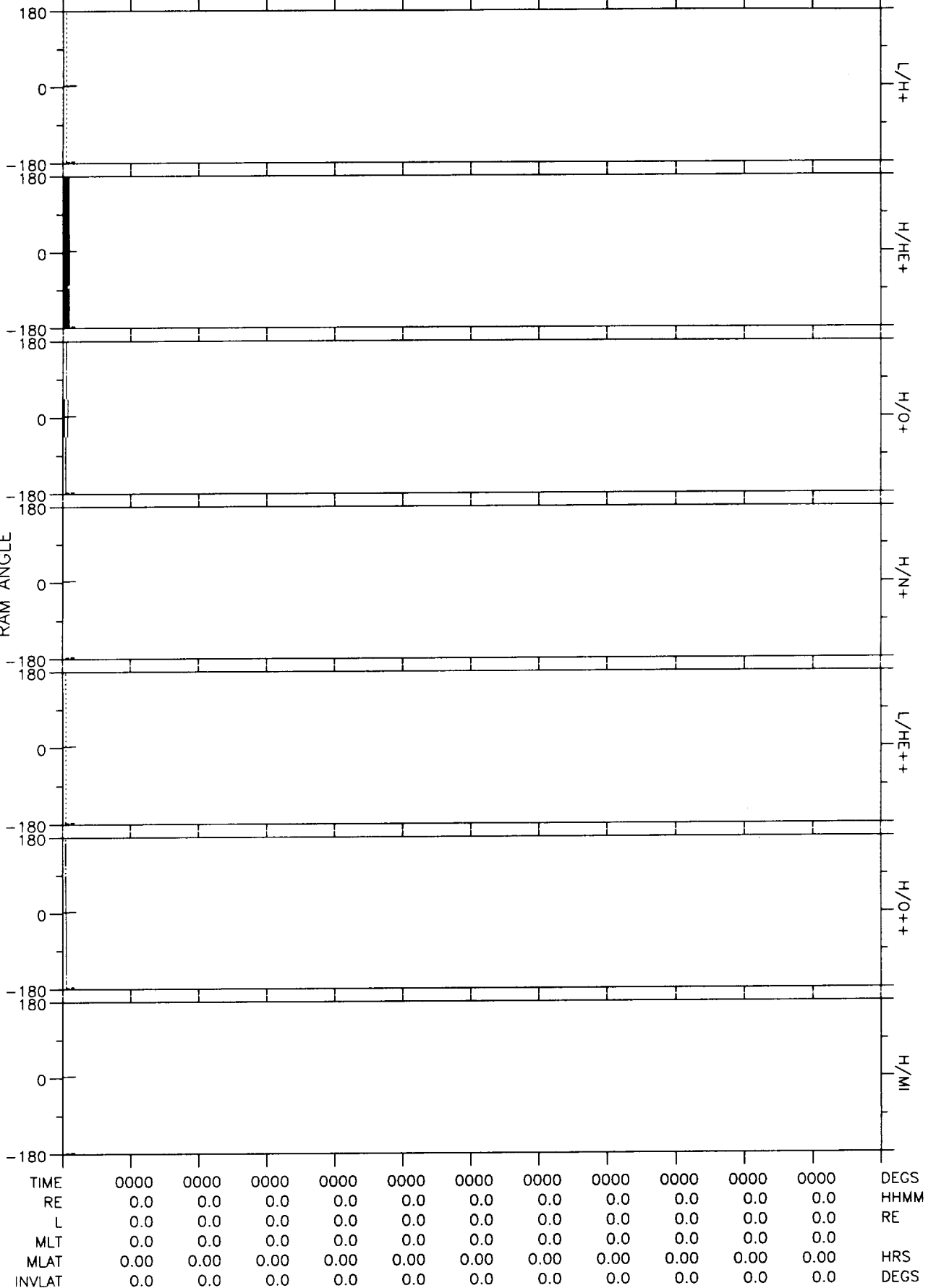
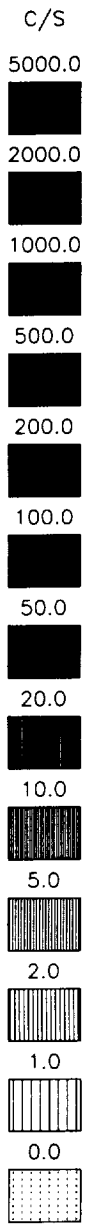
DE RIMS SPIN SUMMARY
SPINRADIALALL (V1.0)
Thu Oct 7 10:31:39 1993

82/149 29-MAY 1915:00 - 0315:00 HEAD= RL RPA= 0 to 1000 BIAS= A



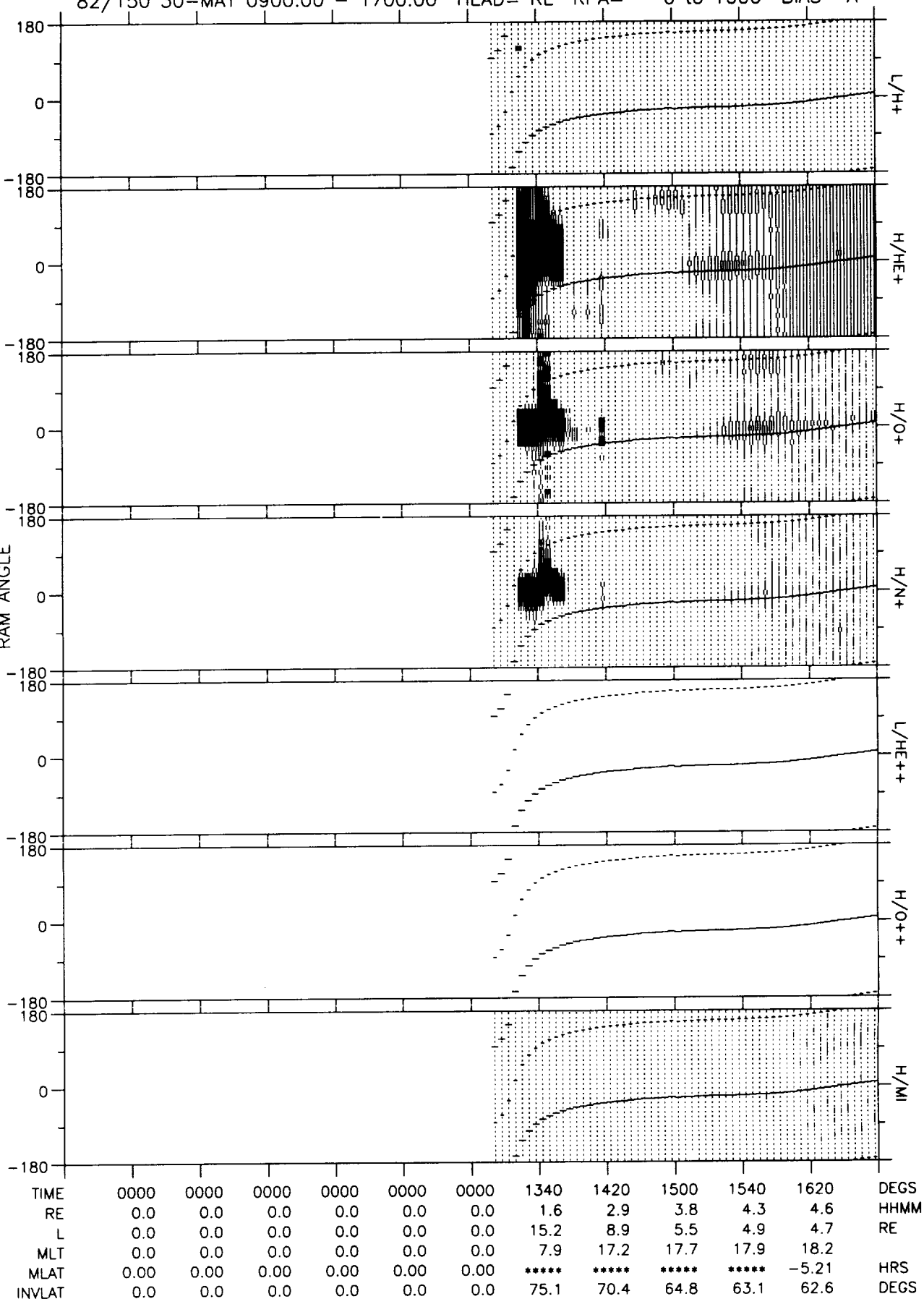
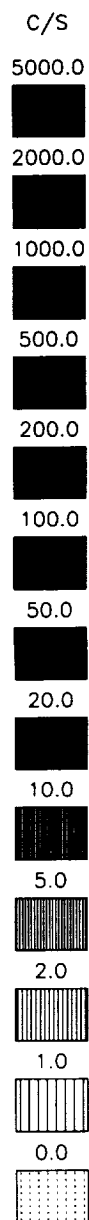
DE RIMS SPIN SUMMARY
SPINRADIAL.ALL (V1.0)
Thu Oct 7 11:04:49 1993

82/150 30-MAY 0200:00 - 1000:00 HEAD= RL RPA= 0 to 1000 BIAS= A



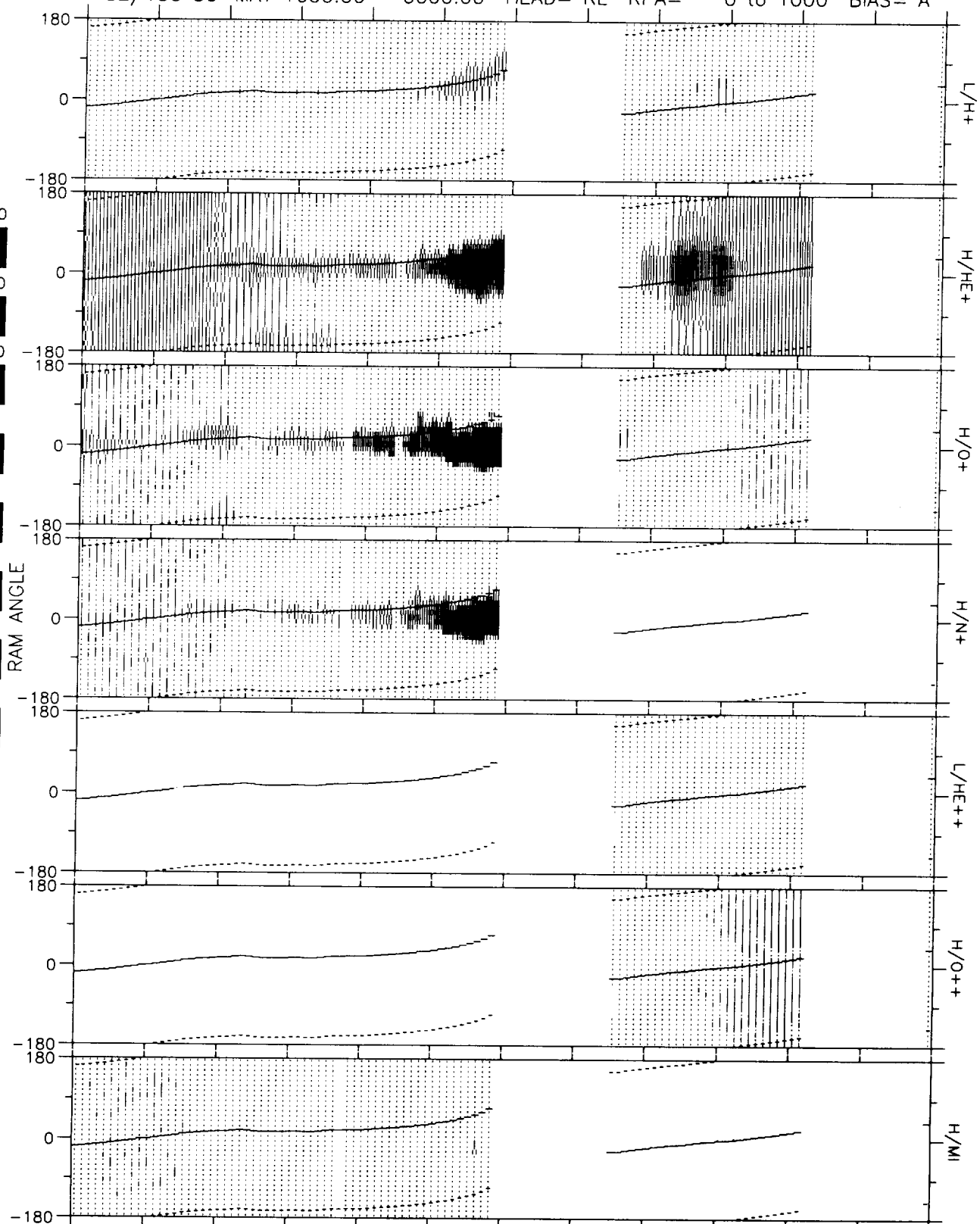
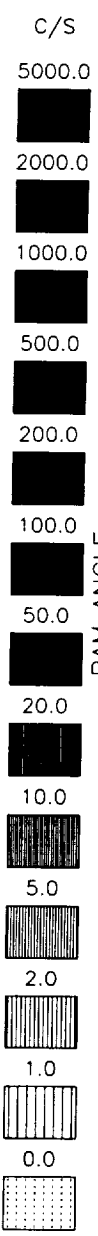
DE RMS SPIN SUMMARY
SPINRADIAL ALL (VLO)
Thu Oct 7 11:06:29 1993

82/150 30-MAY 0900:00 - 1700:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIM'S SPIN SUMMARY
SPIN_RADIALALL (V1.0)
Thu Oct 7 11:09:27 1993

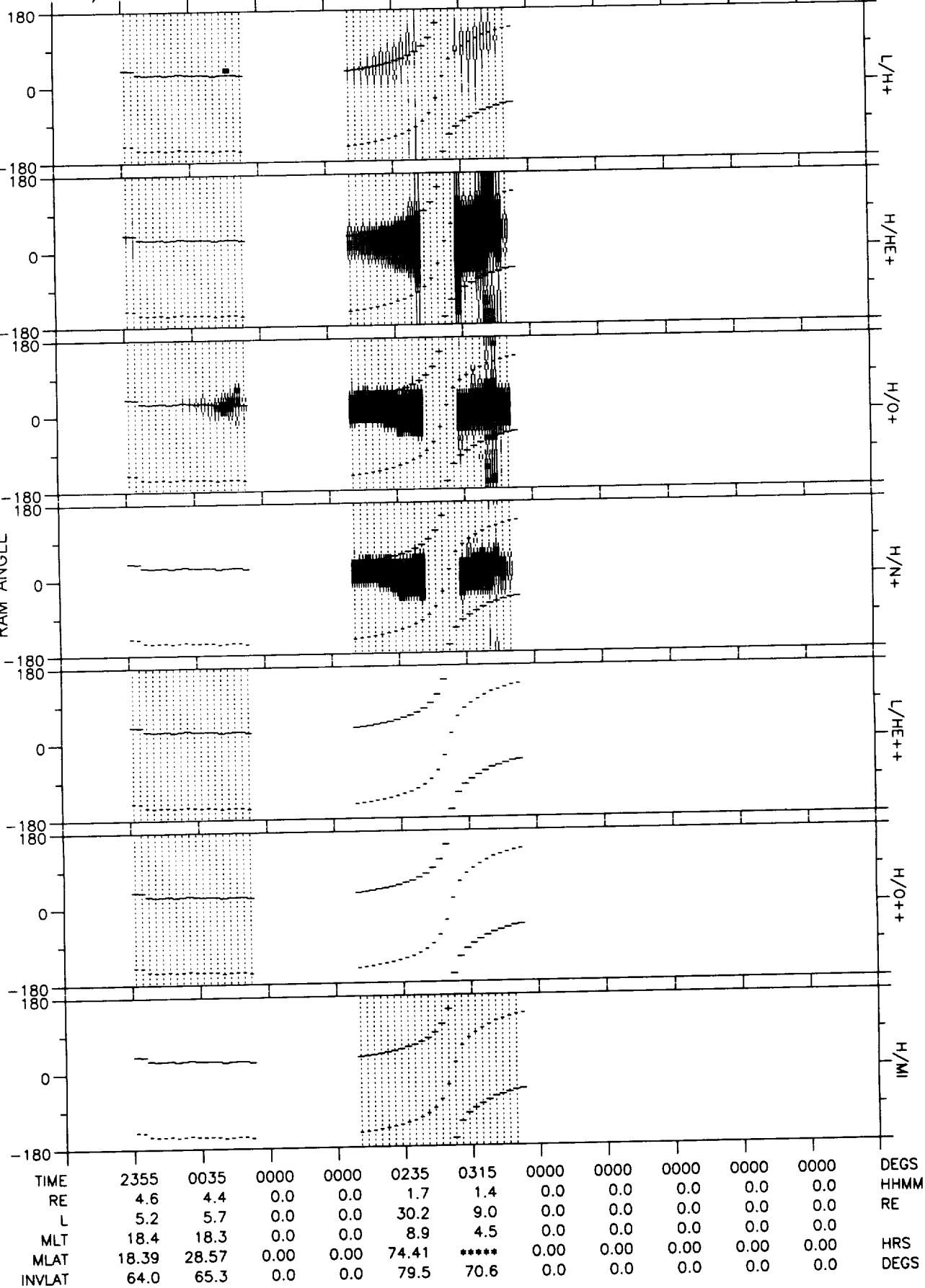
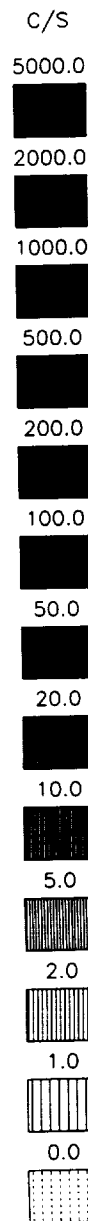
82/150 30-MAY 1600:00 - 0000:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	1640	1720	1800	1840	1920	0000	0000	2120	2200	2240	0000	DEGS
RE	4.7	4.6	4.2	3.5	2.5	0.0	0.0	3.1	3.9	4.4	0.0	HHMM
L	4.7	4.8	5.1	6.2	15.9	0.0	0.0	4.4	4.2	4.5	0.0	RE
MLT	18.3	18.5	18.8	19.1	20.1	0.0	0.0	18.4	18.5	18.5	0.0	
MLAT	0.86	13.11	26.48	43.05	68.78	0.00	0.00	*****	*****	-0.98	0.00	HRS
INVLAT	62.6	62.8	63.8	66.3	75.5	0.0	0.0	61.7	61.0	61.9	0.0	DEGS

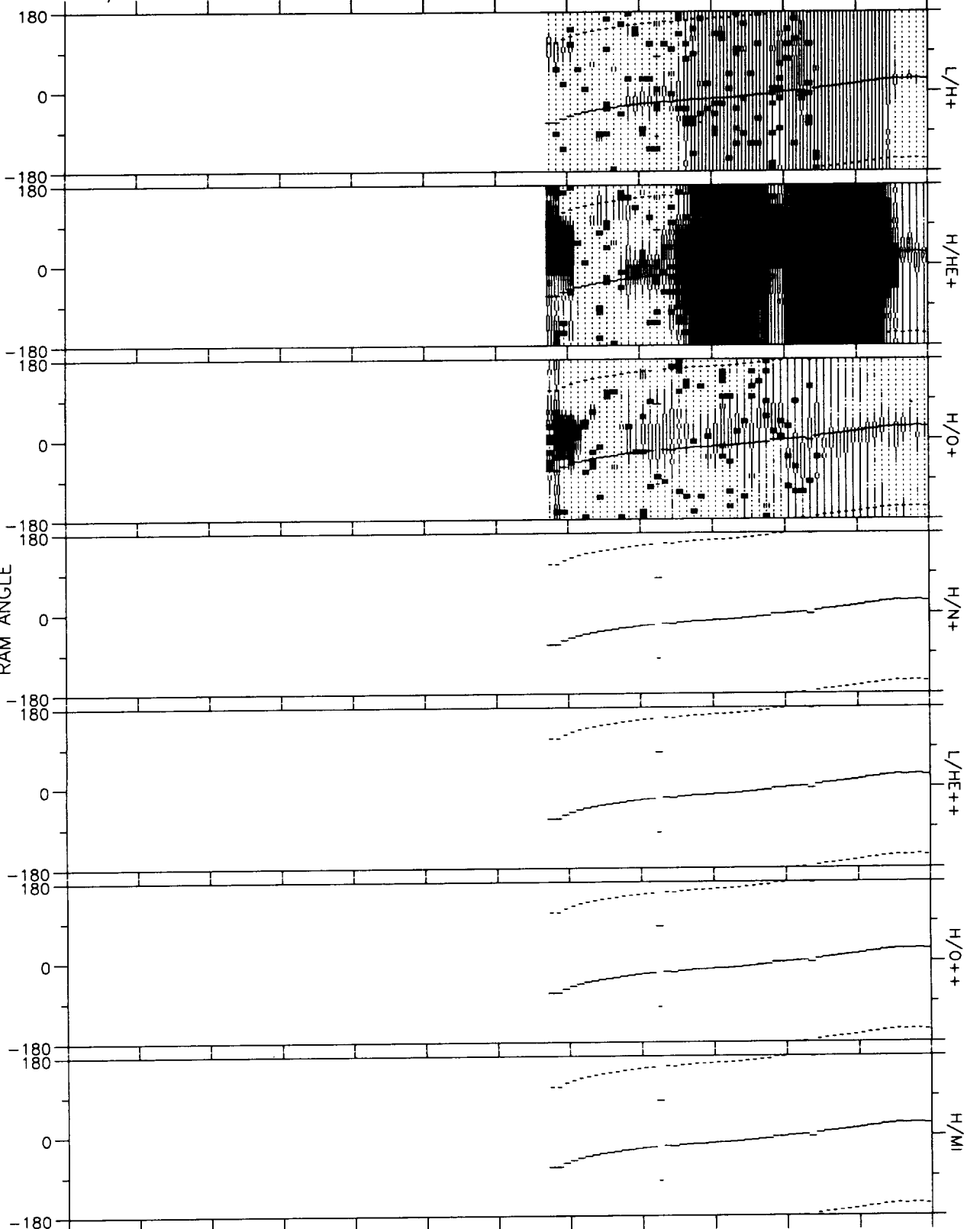
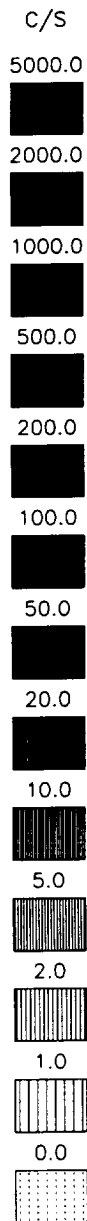
DE RIMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Thu Oct 7 11:13:00 1993

82/150 30-MAY 2315:00 - 0715:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Thu Oct 7 11:15:46 1993

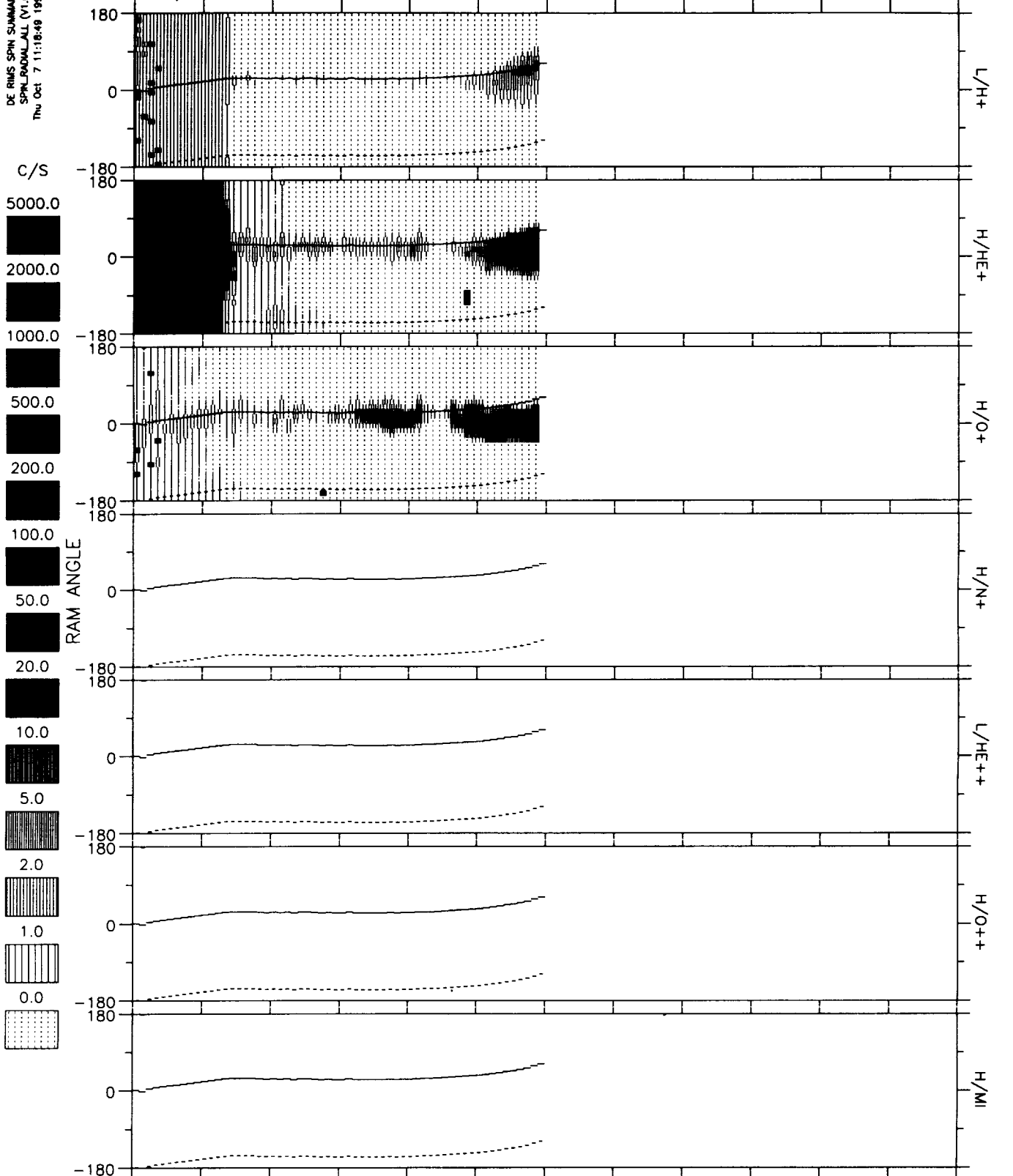
82/151 31-MAY 1230:00 - 2030:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0000	0000	0000	0000	0000	0000	1710	1750	1830	1910	1950	DEGS
RE	0.0	0.0	0.0	0.0	0.0	0.0	1.8	3.1	3.9	4.4	4.7	HHMM
L	0.0	0.0	0.0	0.0	0.0	0.0	23.9	5.6	4.7	4.6	4.8	RE
MLT	0.0	0.0	0.0	0.0	0.0	0.0	14.6	17.7	18.1	18.3	18.5	HRS
MLAT	0.00	0.00	0.00	0.00	0.00	0.00	****	****	****	-6.30	5.87	DEGS
INVLAT	0.0	0.0	0.0	0.0	0.0	0.0	78.2	65.0	62.4	62.2	62.7	

DE RIMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Thu Oct 7 11:18:48 1993

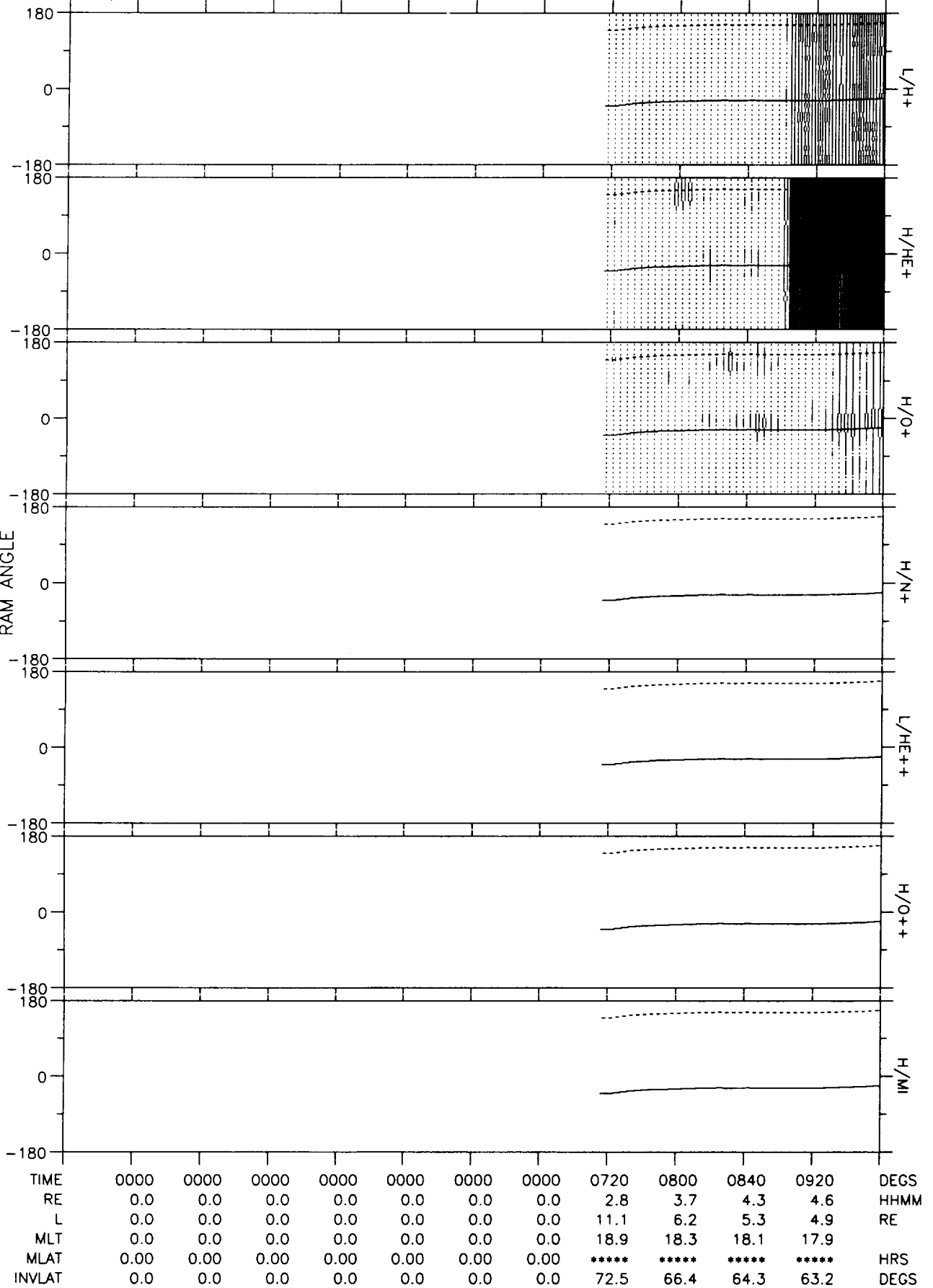
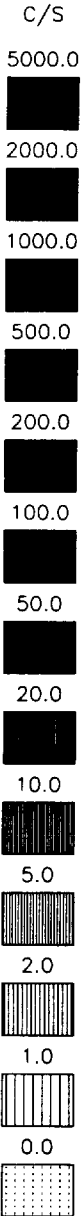
82/151 31-MAY 1915:00 - 0315:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	1955	2035	2115	2155	2235	0000	0000	0000	0000	0000	0000	DEGS
RE	4.7	4.6	4.3	3.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	HHMM
L	4.8	5.2	5.8	7.4	18.1	0.0	0.0	0.0	0.0	0.0	0.0	RE
MLT	18.5	18.6	18.6	18.6	18.5	0.0	0.0	0.0	0.0	0.0	0.0	HRS
MLAT	7.34	18.88	31.05	45.79	68.16	0.00	0.00	0.00	0.00	0.00	0.00	DEGS
INVLAT	62.8	63.9	65.5	68.5	76.4	0.0	0.0	0.0	0.0	0.0	0.0	

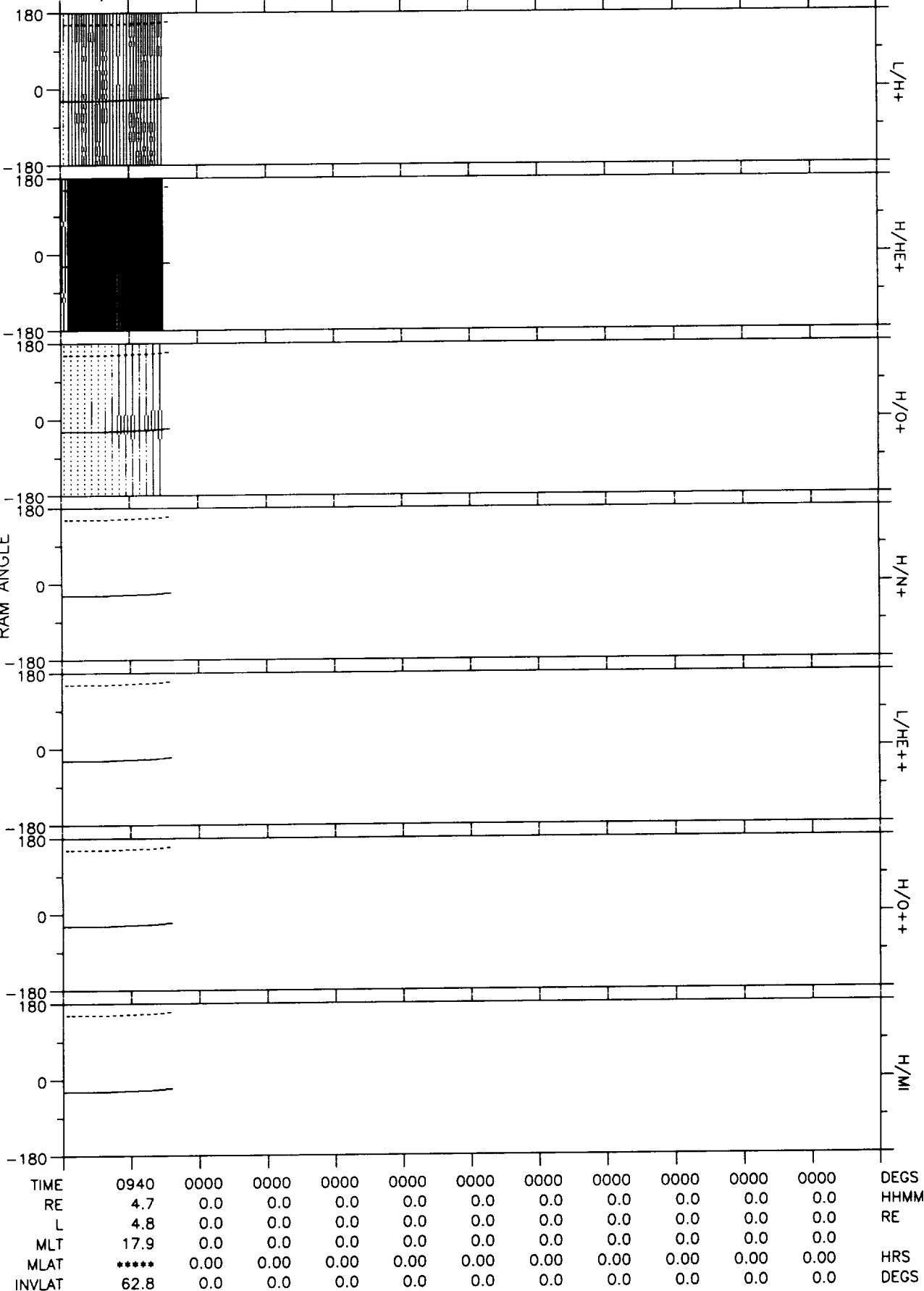
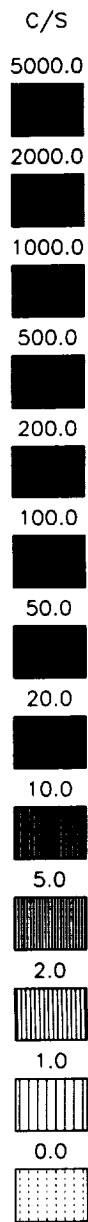
DE RIMS SPIN SUMMARY
SPIN/RADIAL ALL (V1.0)
Thu Oct 7 11:21:38 1993

82/152 01-JUN 0200:00 - 1000:00 HEAD= RL RPA= 0 to 1000 BIAS= A



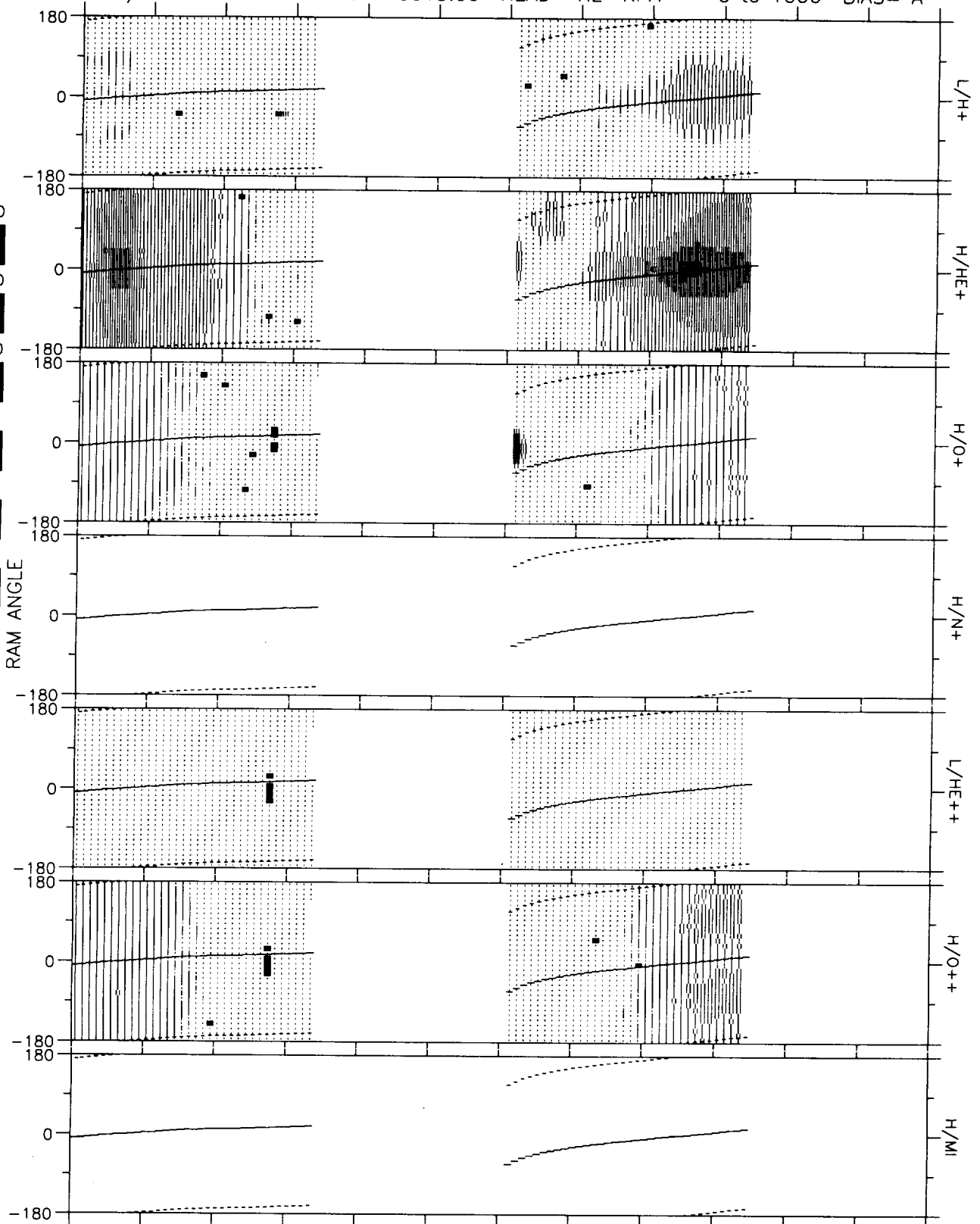
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Thu Oct 7 11:24:03 1993

82/152 01-JUN 0900:00 - 1700:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Thu Oct 7 11:29:01 1993

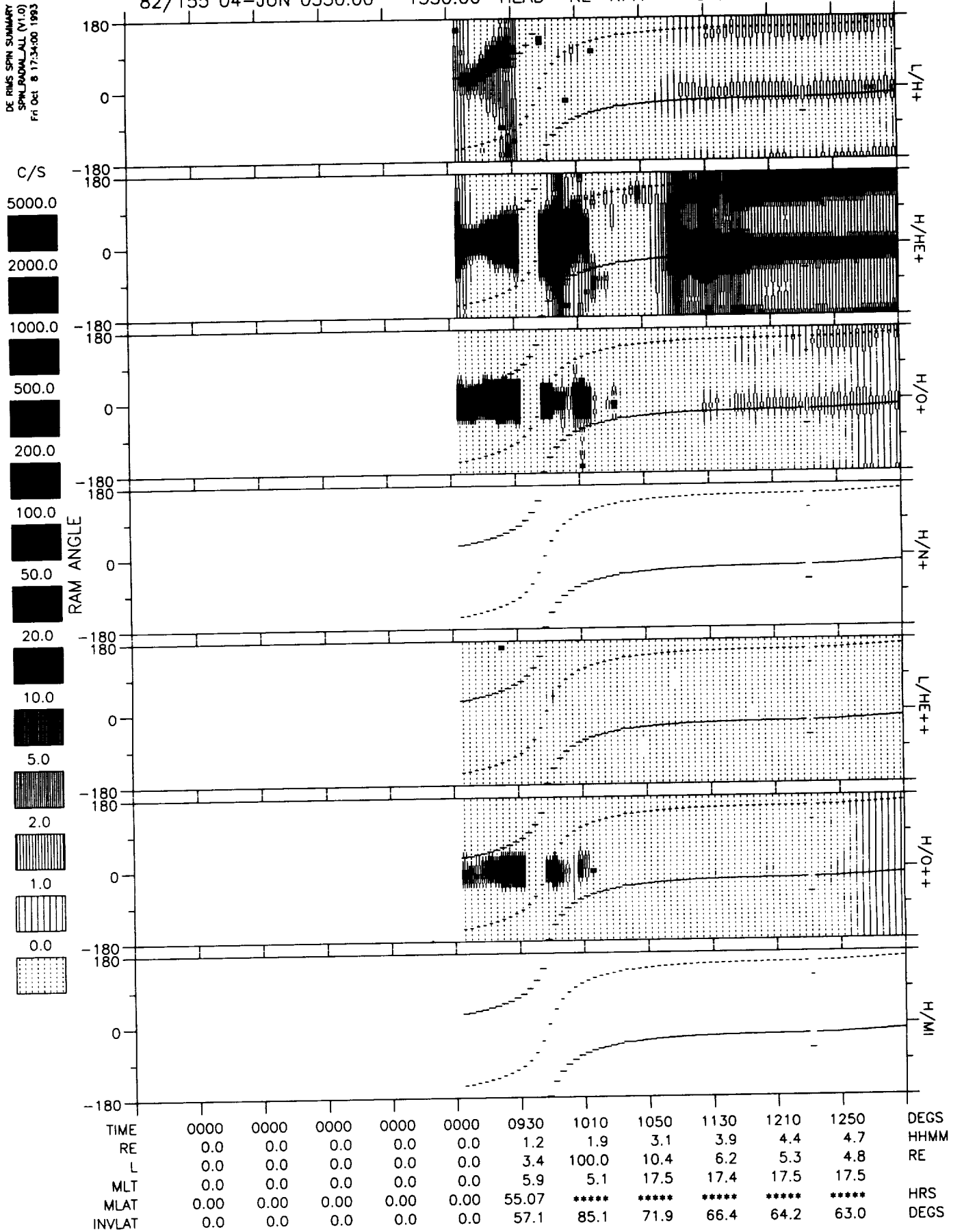
82/154 03-JUN 1615:00 - 0015:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	1655	1735	1815	0000	0000	0000	2055	2135	2215	0000	0000	DEGS
RE	4.6	4.4	3.8	0.0	0.0	0.0	2.7	3.7	4.3	0.0	0.0	HHMM
L	4.7	4.9	5.5	0.0	0.0	0.0	5.2	4.3	4.4	0.0	0.0	RE
MLT	18.1	18.4	18.6	0.0	0.0	0.0	18.0	18.2	18.3	0.0	0.0	
MLAT	7.47	20.25	35.26	0.00	0.00	0.00	*****	*****	-6.70	0.00	0.00	HRS
INVLAT	62.6	63.1	64.7	0.0	0.0	0.0	63.9	61.1	61.5	0.0	0.0	DEGS

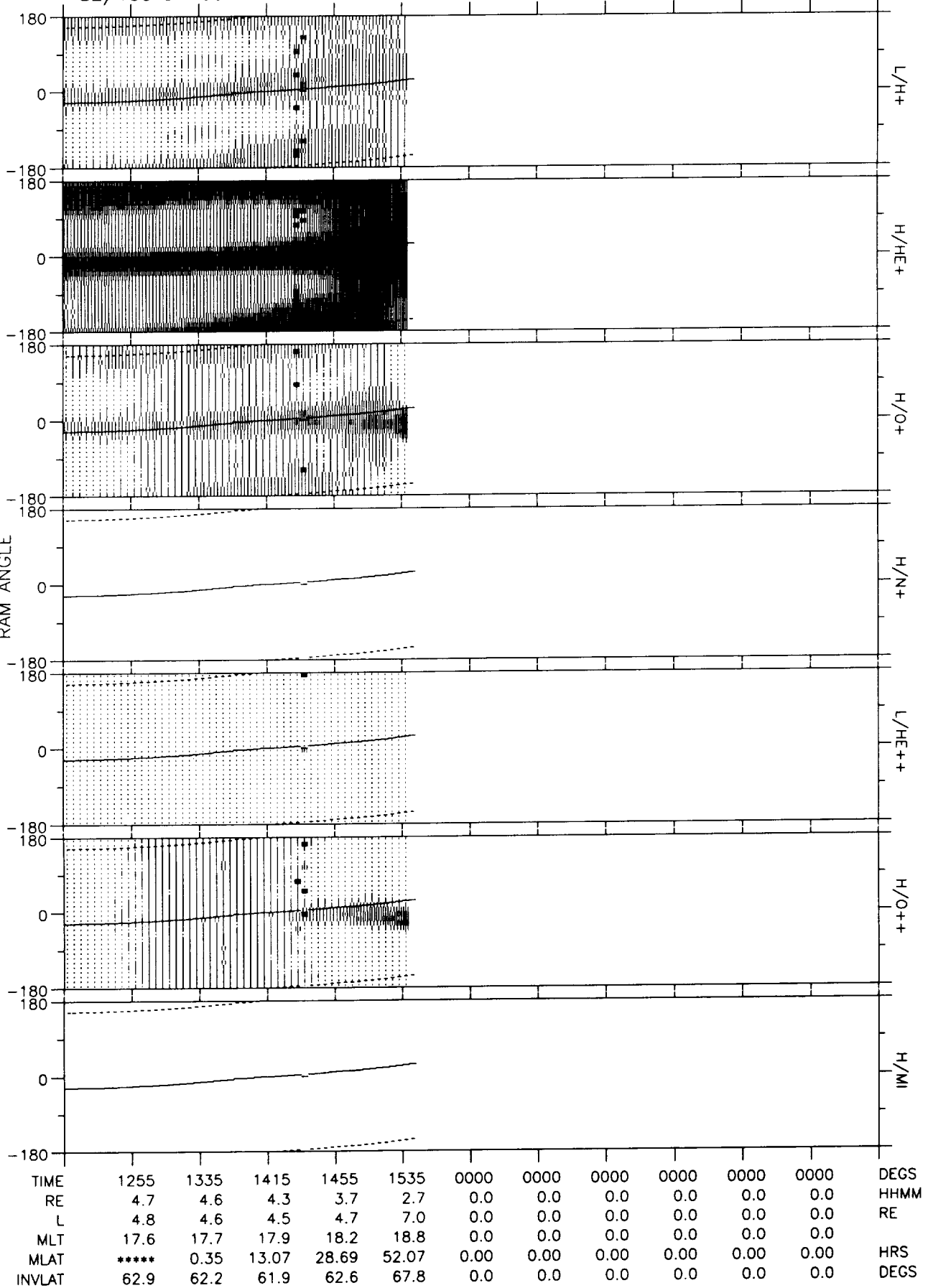
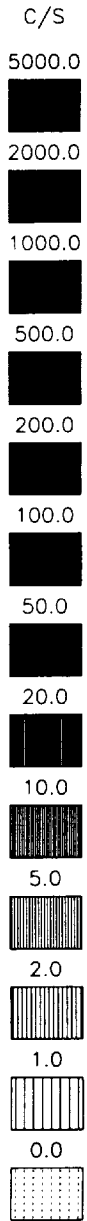
DE RIMS SPIN SUMMARY
SPINRADIAL (V1.0)
Fri Oct 8 17:34:00 1993

82/155 04-JUN 0530:00 - 1330:00 HEAD= RL RPA= 0 to 1000 BIAS= A



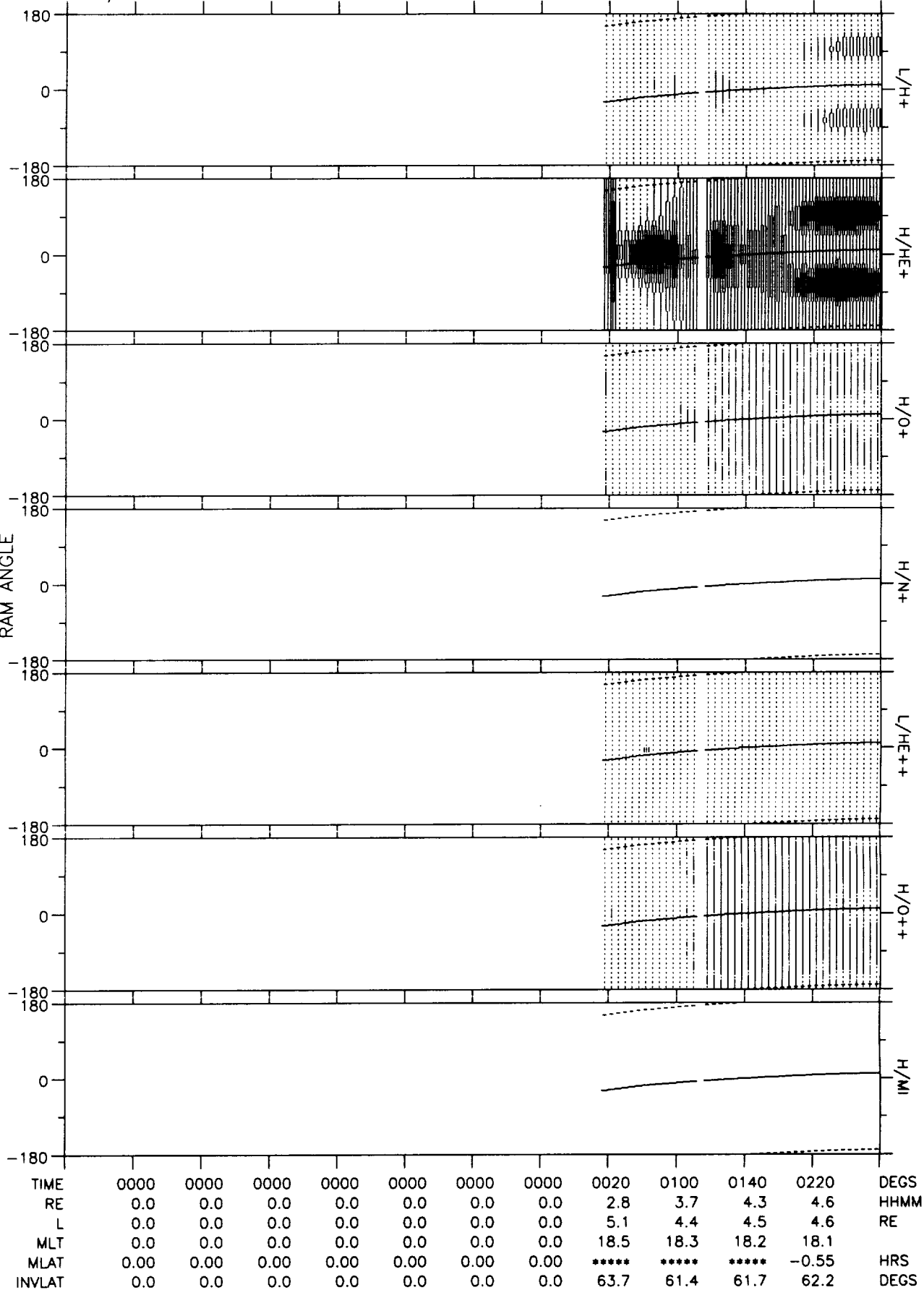
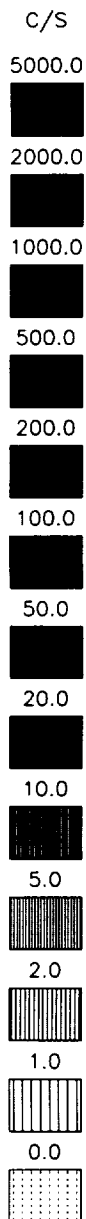
DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Fr Oct 8 17:35:52 1993

82/155 04-JUN 1215:00 - 2015:00 HEAD= RL RPA= 0 to 1000 BIAS= A



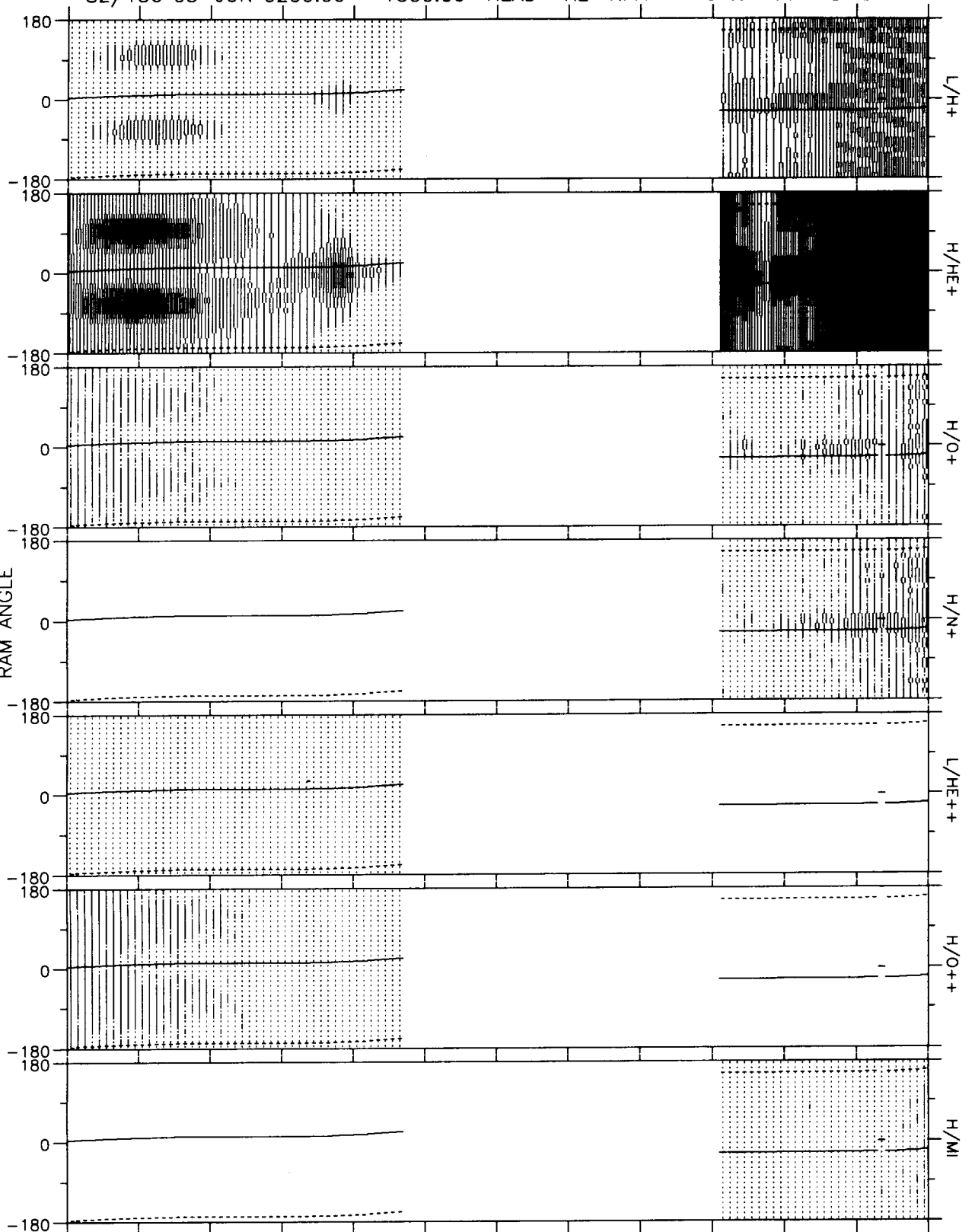
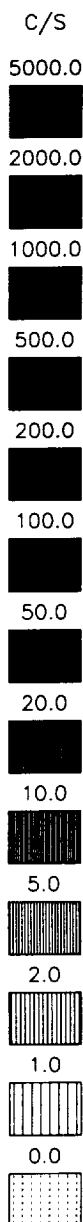
DE RMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Fri Oct 8 17:37:36 1993

82/155 04-JUN 1900:00 - 0300:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN/RADIAL ALL (V1.0)
Fri Oct 8 17:38:58 1993

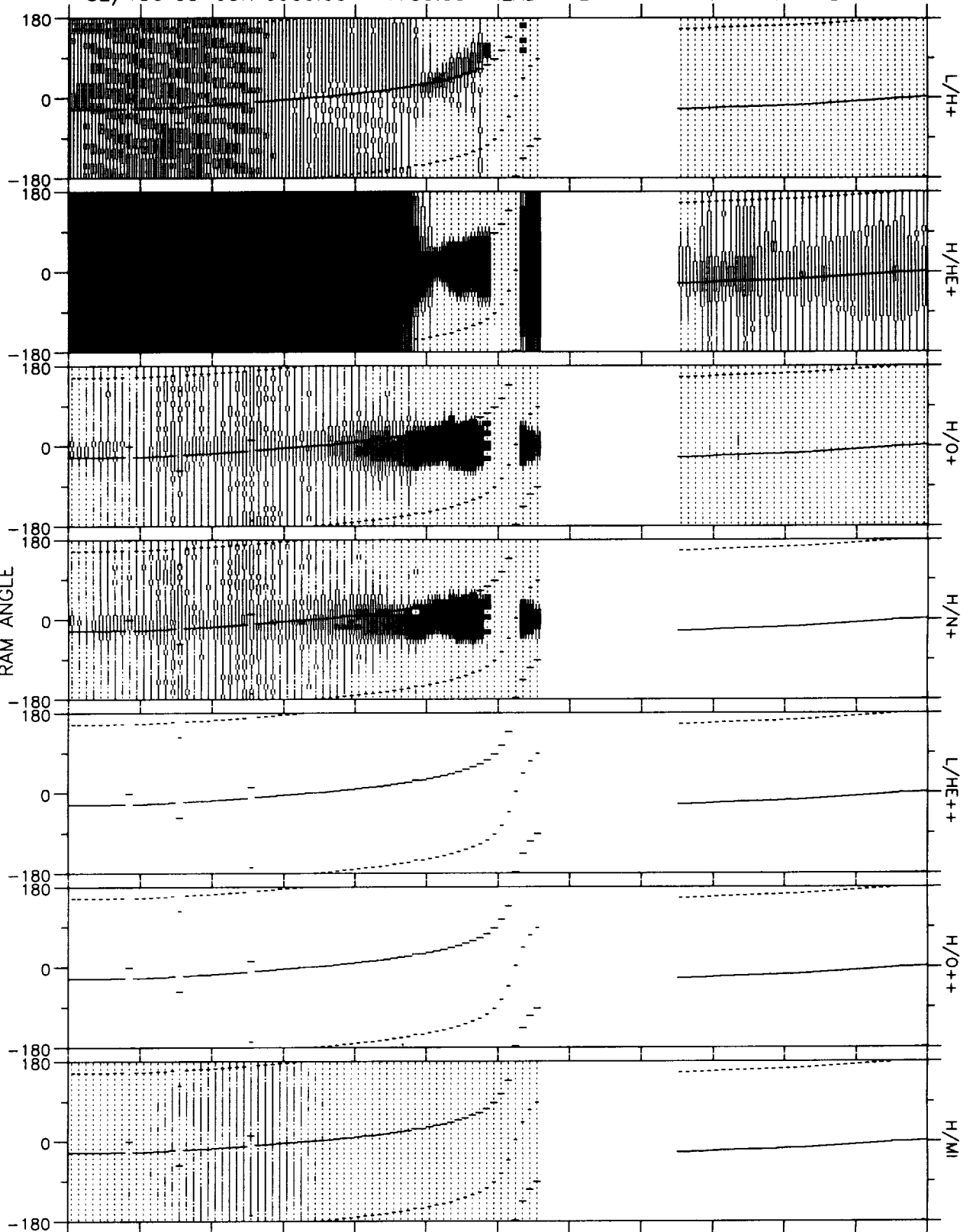
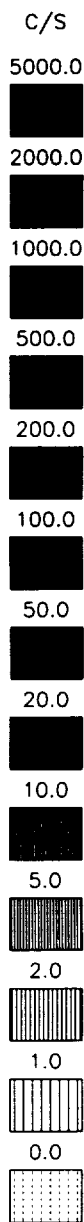
82/156 05-JUN 0200:00 - 1000:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0240	0320	0400	0440	0000	0000	0000	0000	0000	0840	0920	DEGS
RE	4.7	4.6	4.2	3.6	0.0	0.0	0.0	0.0	0.0	4.4	4.6	HHMM
L	4.7	4.8	4.8	5.1	0.0	0.0	0.0	0.0	0.0	5.3	4.9	RE
MLT	18.0	17.8	17.6	17.4	0.0	0.0	0.0	0.0	0.0	17.8	17.6	
MLAT	3.72	12.12	21.42	33.70	0.00	0.00	0.00	0.00	0.00	****	****	HRS
INVLAT	62.4	62.7	62.9	63.7	0.0	0.0	0.0	0.0	0.0	64.3	63.1	DEGS

DE RMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Fri Oct 8 17:40:51 1993

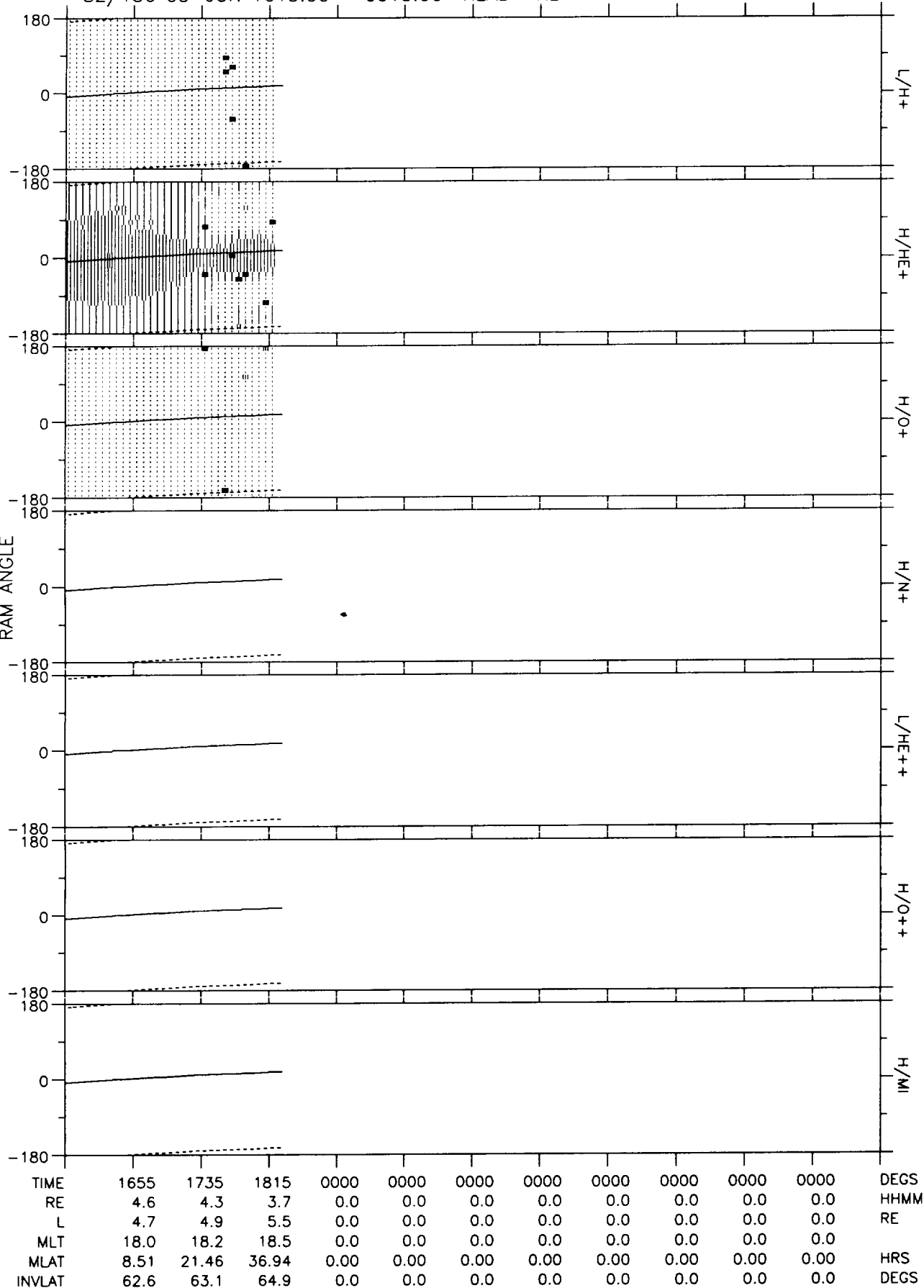
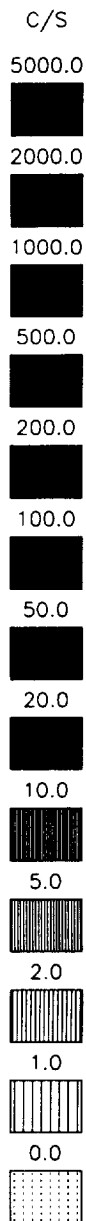
82/156 05-JUN 0900:00 - 1700:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0940	1020	1100	1140	1220	1300	0000	0000	1500	1540	1620	DEGS
RE	4.7	4.5	4.1	3.4	2.3	1.1	0.0	0.0	4.0	4.5	4.7	HHMM
L	4.7	4.5	4.3	4.5	8.6	1.2	0.0	0.0	5.4	4.9	4.7	RE
MLT	17.6	17.5	17.6	17.7	18.2	5.4	0.0	0.0	17.3	17.6	17.8	
MLAT	*****	0.02	12.12	28.44	57.06	21.57	0.00	0.00	*****	*****	-2.11	HRS
INVLAT	62.6	61.7	61.1	61.8	70.1	25.3	0.0	0.0	64.4	63.1	62.6	DEGS

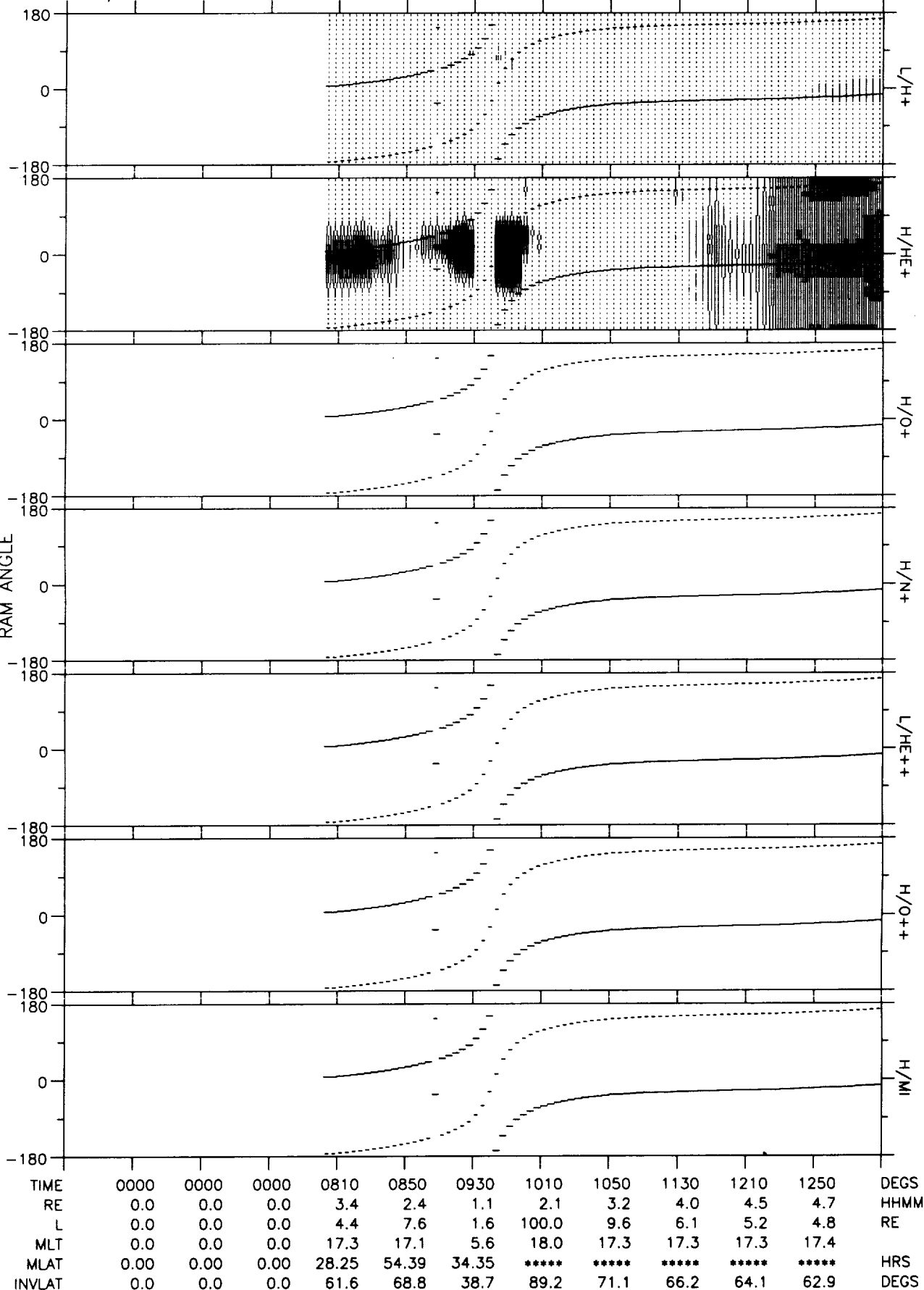
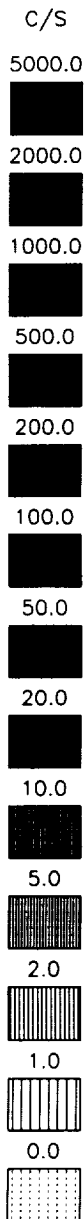
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Fri Oct 8 17:43:10 1993

82/156 05-JUN 1615:00 - 0015:00 HEAD= RL RPA= 0 to 1000 BIAS= A



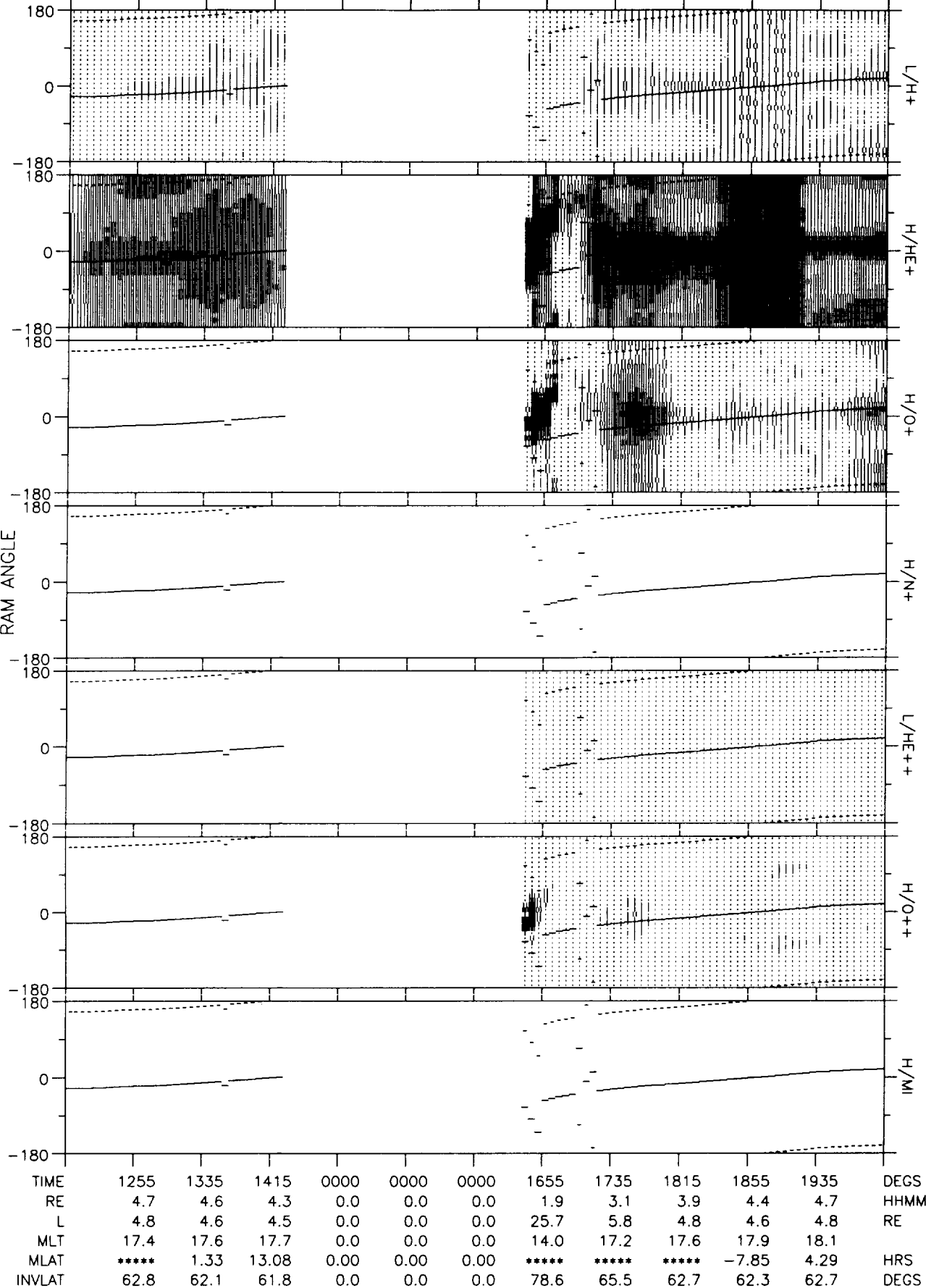
DE RIMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Fri Oct 8 17:44:19 1993

82/157 06-JUN 0530:00 - 1330:00 HEAD= RL RPA= 0 to 1000 BIAS= A



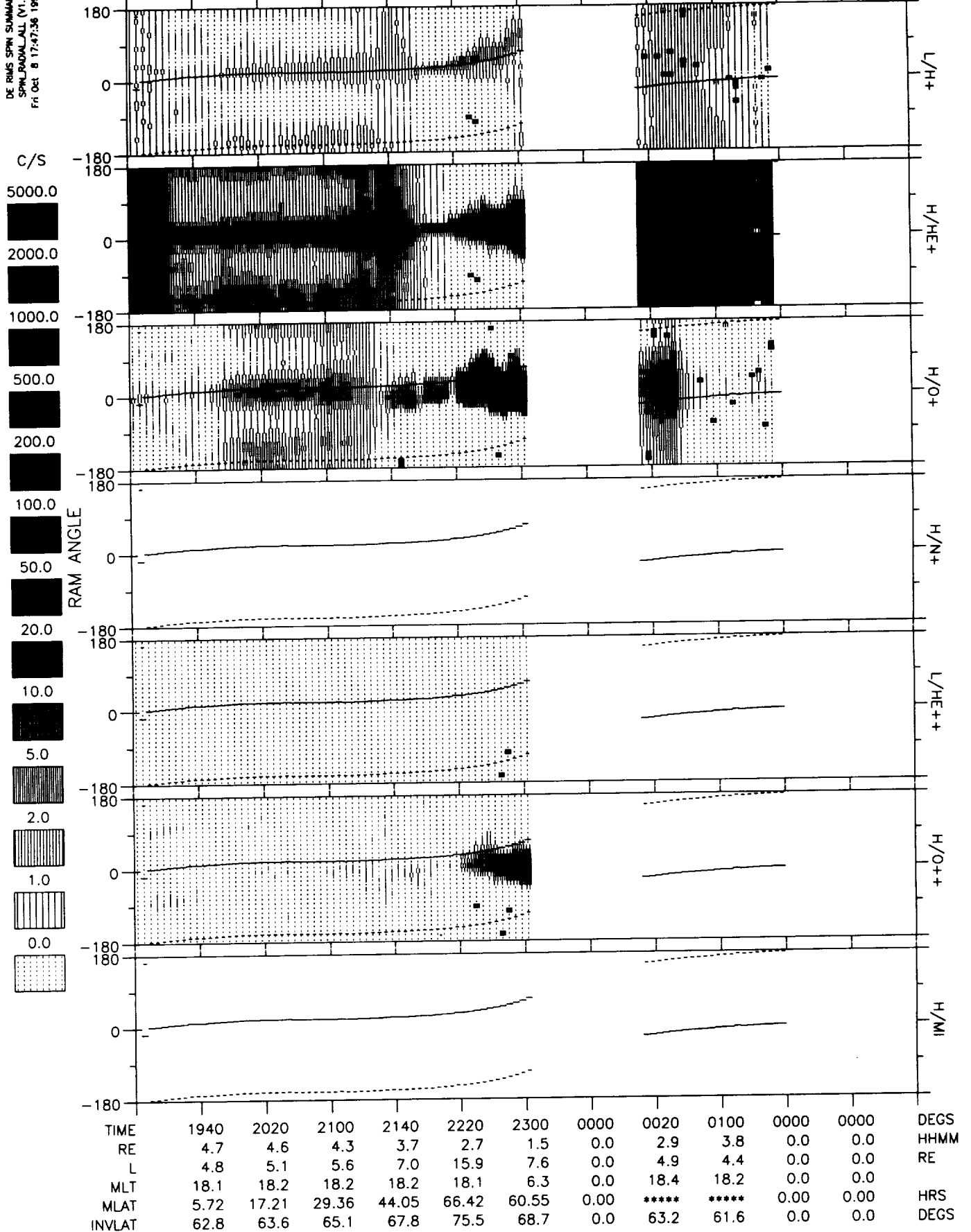
DE RIMS SPIN SUMMARY
SPIN_RADIALALL (V1.0)
Fri Oct 8 17:45:42 1993

82/157 06-JUN 1215:00 - 2015:00 HEAD= RL RPA= 0 to 1000 BIAS= A



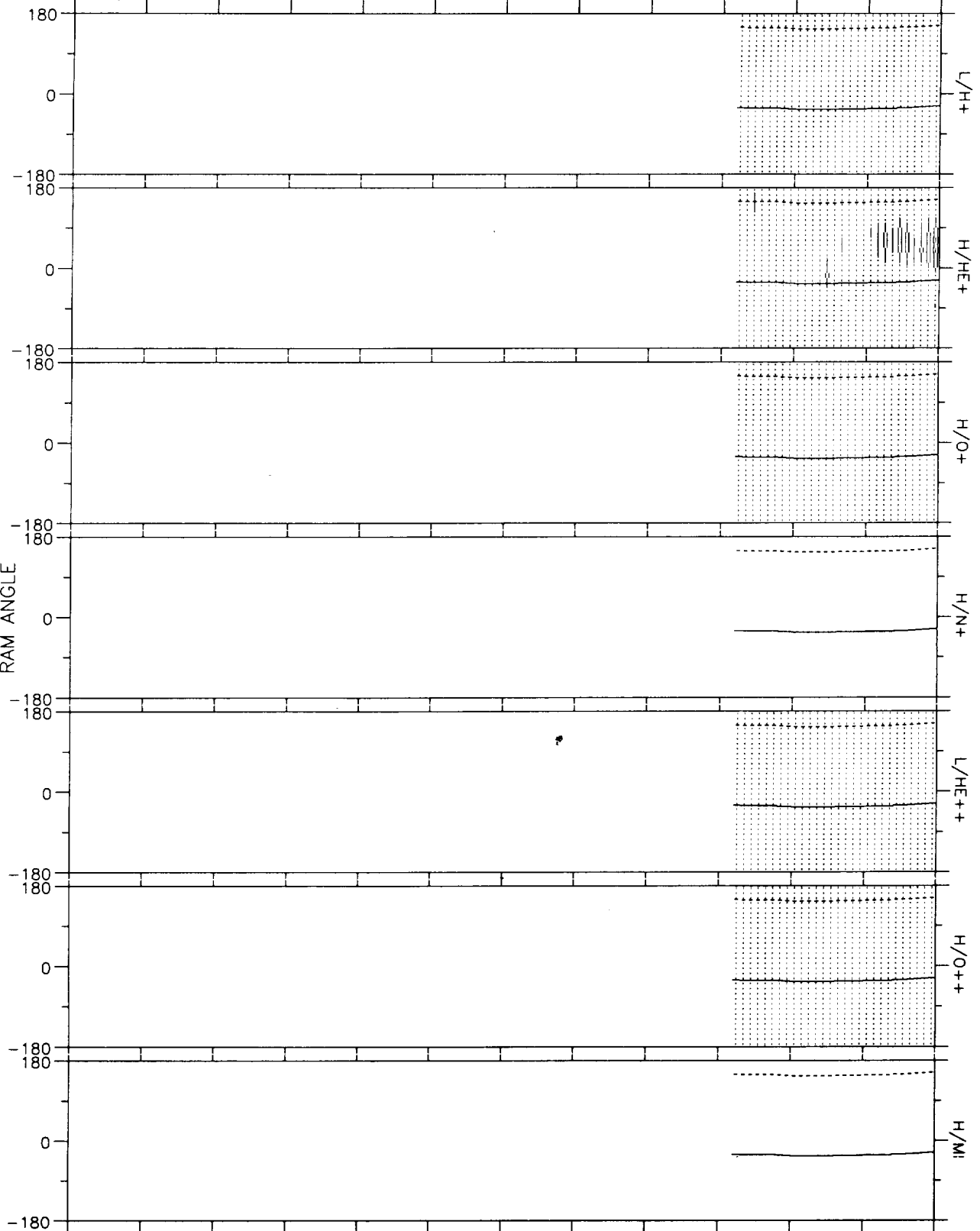
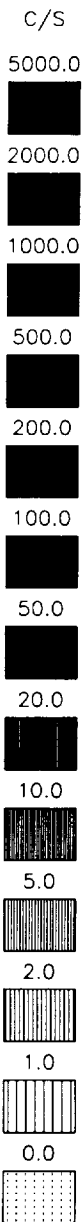
DE RIMS SPIN SUMMARY
SPINRADIAL (V1.0)
Fri Oct 8 17:47:36 1993

82/157 06-JUN 1900:00 - 0300:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN_RADIALALL (V1.0)
Fri Oct 8 17:49:43 1993

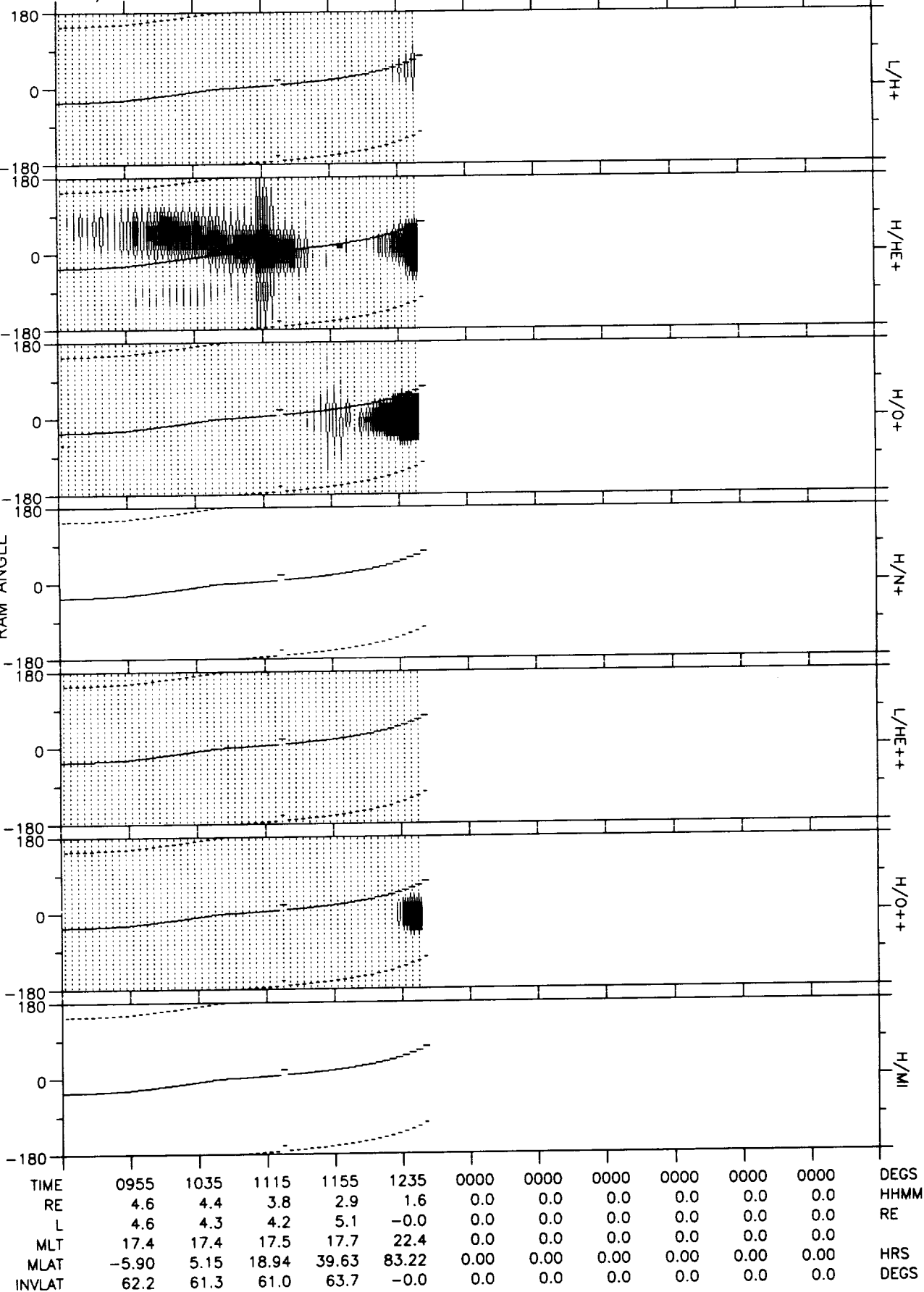
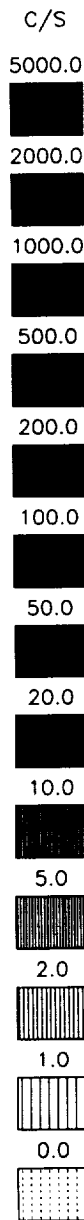
82/158 07-JUN 0200:00 - 1000:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0000	0000	0000	0000	0000	0000	0000	0000	0000	0840	0920	DEGS
RE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	4.7	HHMM
L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	4.9	RE
MLT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.6	17.5	
MLAT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	*****	*****	HRS
INVLAT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.3	63.1	DEGS

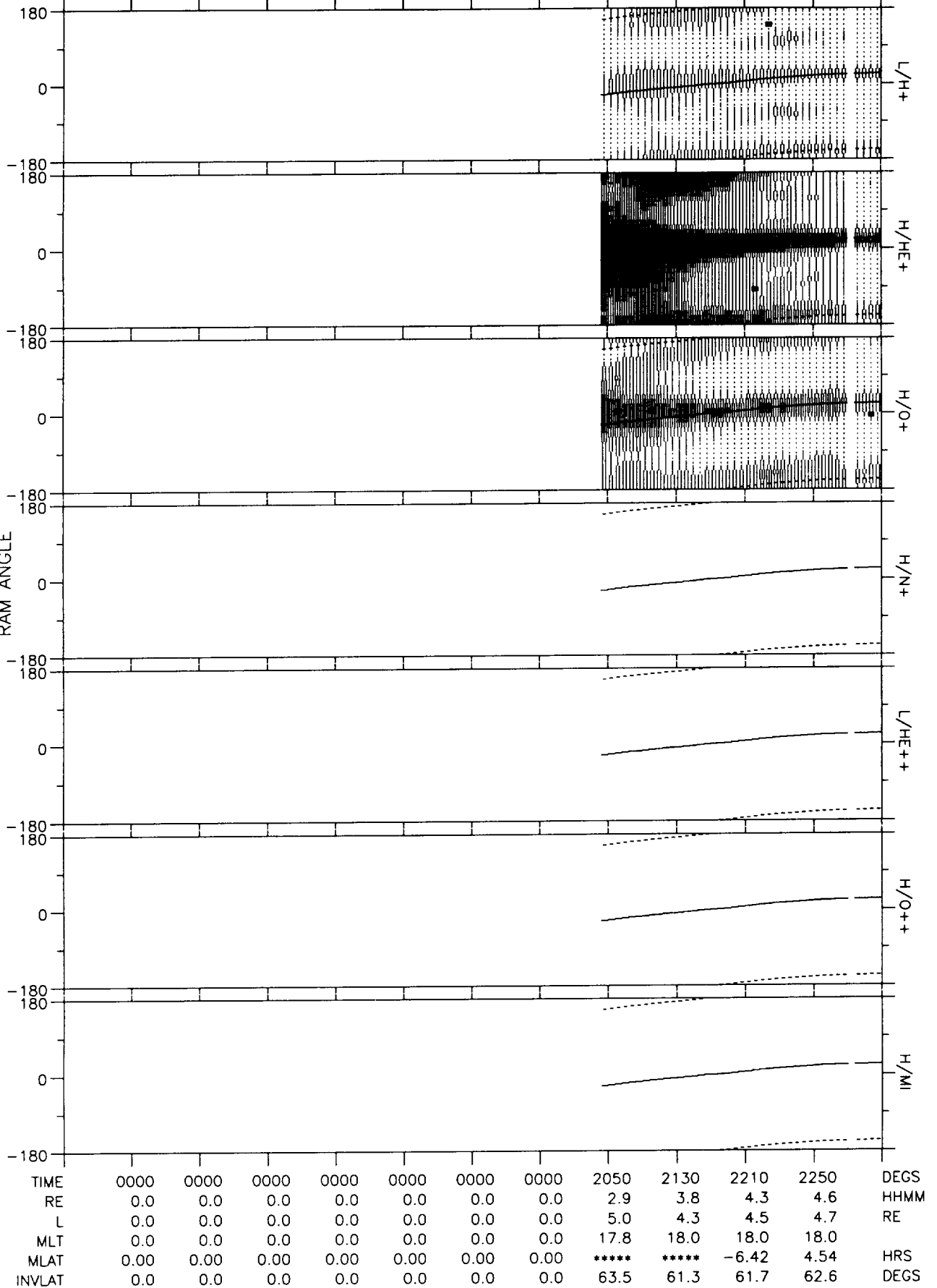
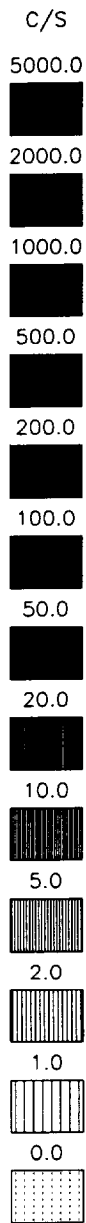
DE RIMS SPIN SUMMARY
SPIN_RADIALL (V1.0)
Fri Oct 8 17:50:55 1993

82/158 07-JUN 0915:00 - 1715:00 HEAD= RL RPA= 0 to 1000 BIAS= A



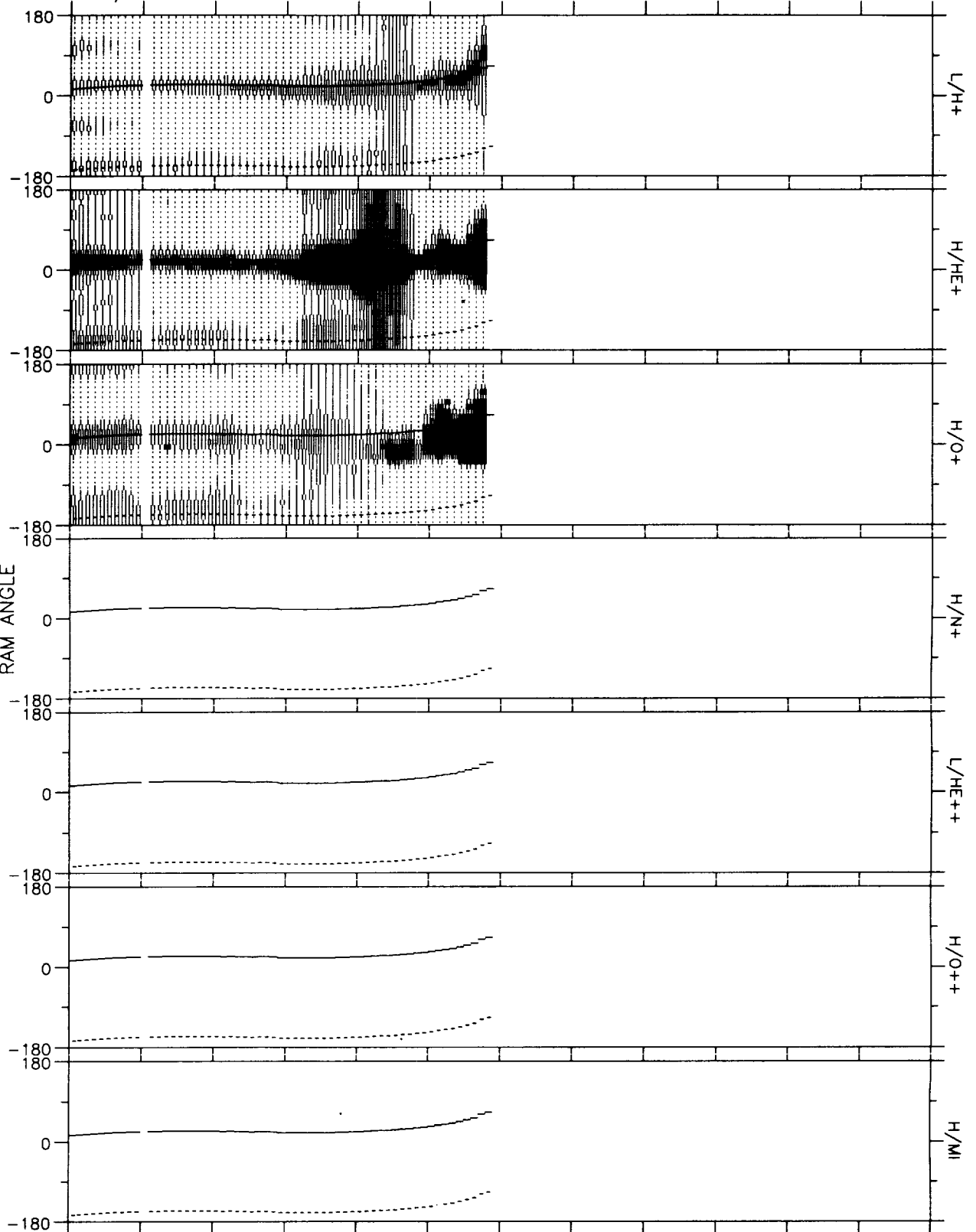
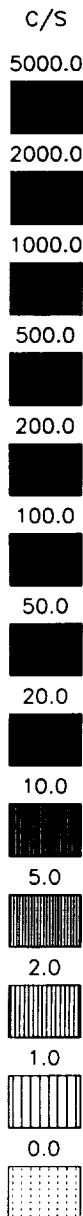
DE RIMS SPIN SUMMARY
SPINRADIALALL (V1.0)
Fri Oct 8 17:52:22 1993

82/158 07-JUN 1530:00 - 2330:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RINS SPIN SUMMARY
SPINRADIALALL (V1.0)
Fri Oct 8 17:53:42 1993

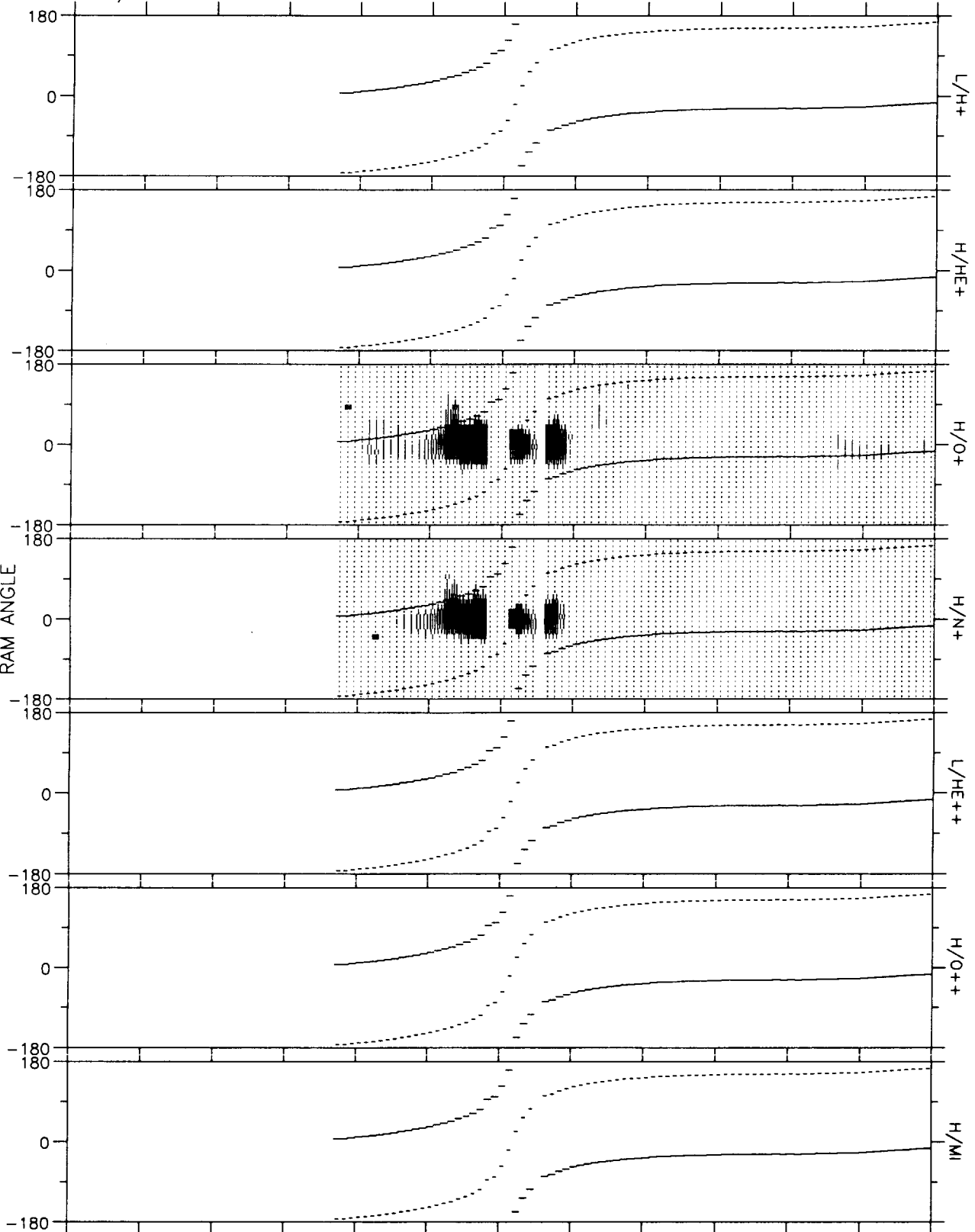
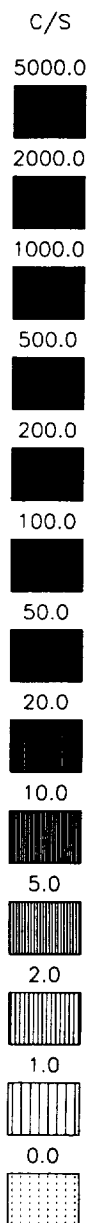
82/158 07-JUN 2230:00 - 0630:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0000	2350	0030	0110	0150	0000	0000	0000	0000	0000	0000	DEGS
RE	0.0	4.6	4.2	3.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	HHMM
L	0.0	5.2	5.6	6.7	14.9	0.0	0.0	0.0	0.0	0.0	0.0	RE
MLT	0.0	17.9	17.7	17.4	16.5	0.0	0.0	0.0	0.0	0.0	0.0	
MLAT	0.00	19.34	29.90	43.38	65.71	0.00	0.00	0.00	0.00	0.00	0.00	HRS
INVLAT	0.0	63.9	65.0	67.2	75.0	0.0	0.0	0.0	0.0	0.0	0.0	DEGS

DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Fri Oct 8 17:55:07 1993

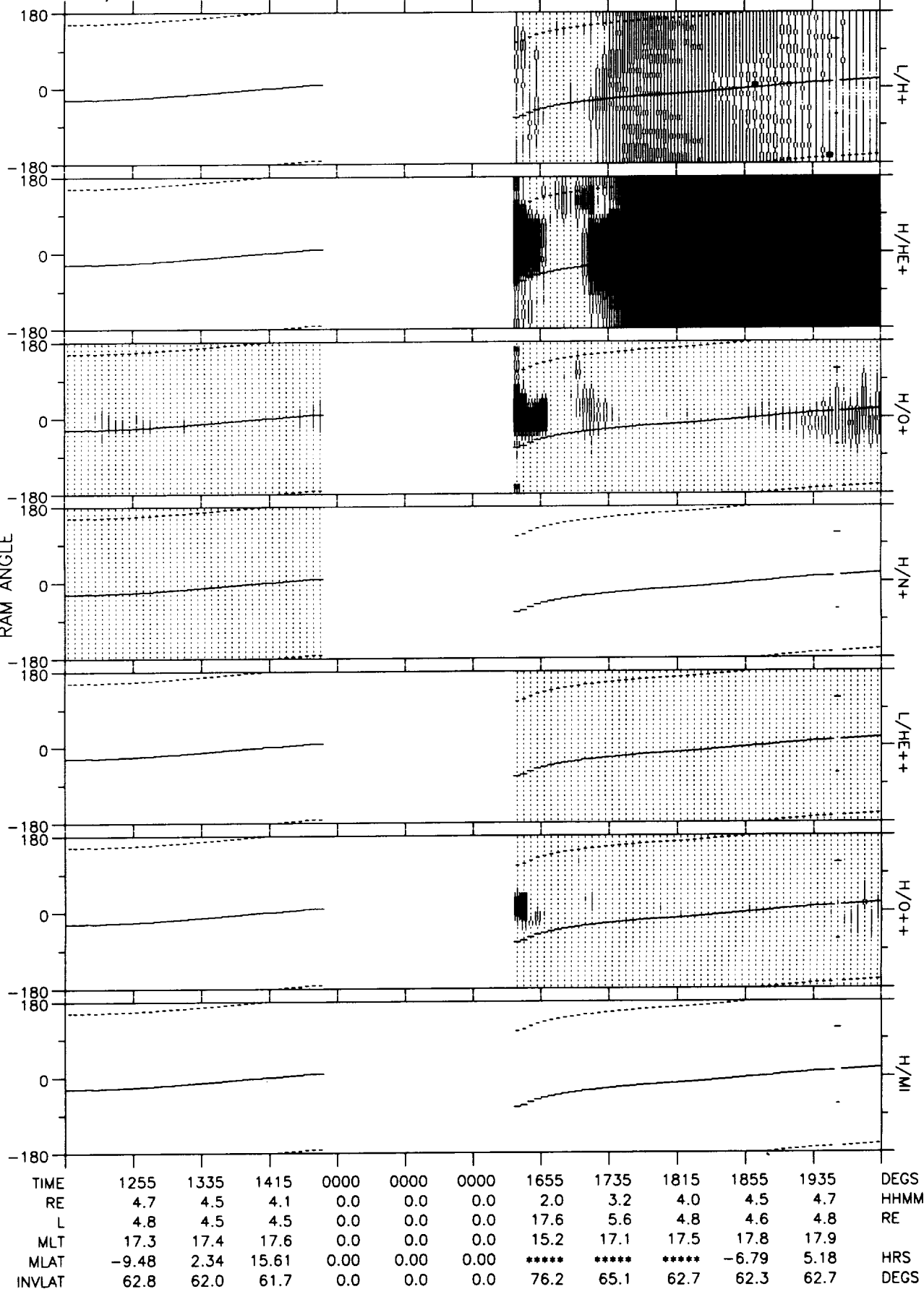
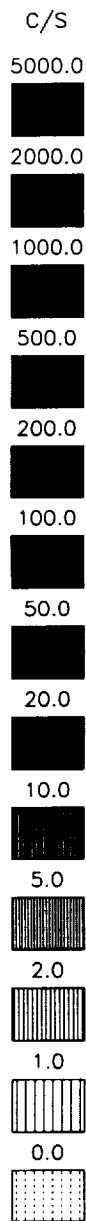
82/159 08-JUN 0530:00 - 1330:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0000	0000	0000	0810	0850	0930	1010	1050	1130	1210	1250	DEGS
RE	0.0	0.0	0.0	3.3	2.2	1.1	2.2	3.3	4.1	4.5	4.7	HHMM
L	0.0	0.0	0.0	4.4	9.5	1.2	-0.0	8.9	6.1	5.2	4.8	RE
MLT	0.0	0.0	0.0	17.2	16.9	5.4	17.3	17.2	17.1	17.2	17.3	
MLAT	0.00	0.00	0.00	29.97	59.22	9.71	*****	*****	*****	*****	*****	HRS
INVLAT	0.0	0.0	0.0	61.7	71.0	22.9	-0.0	70.5	66.0	64.0	62.9	DEGS

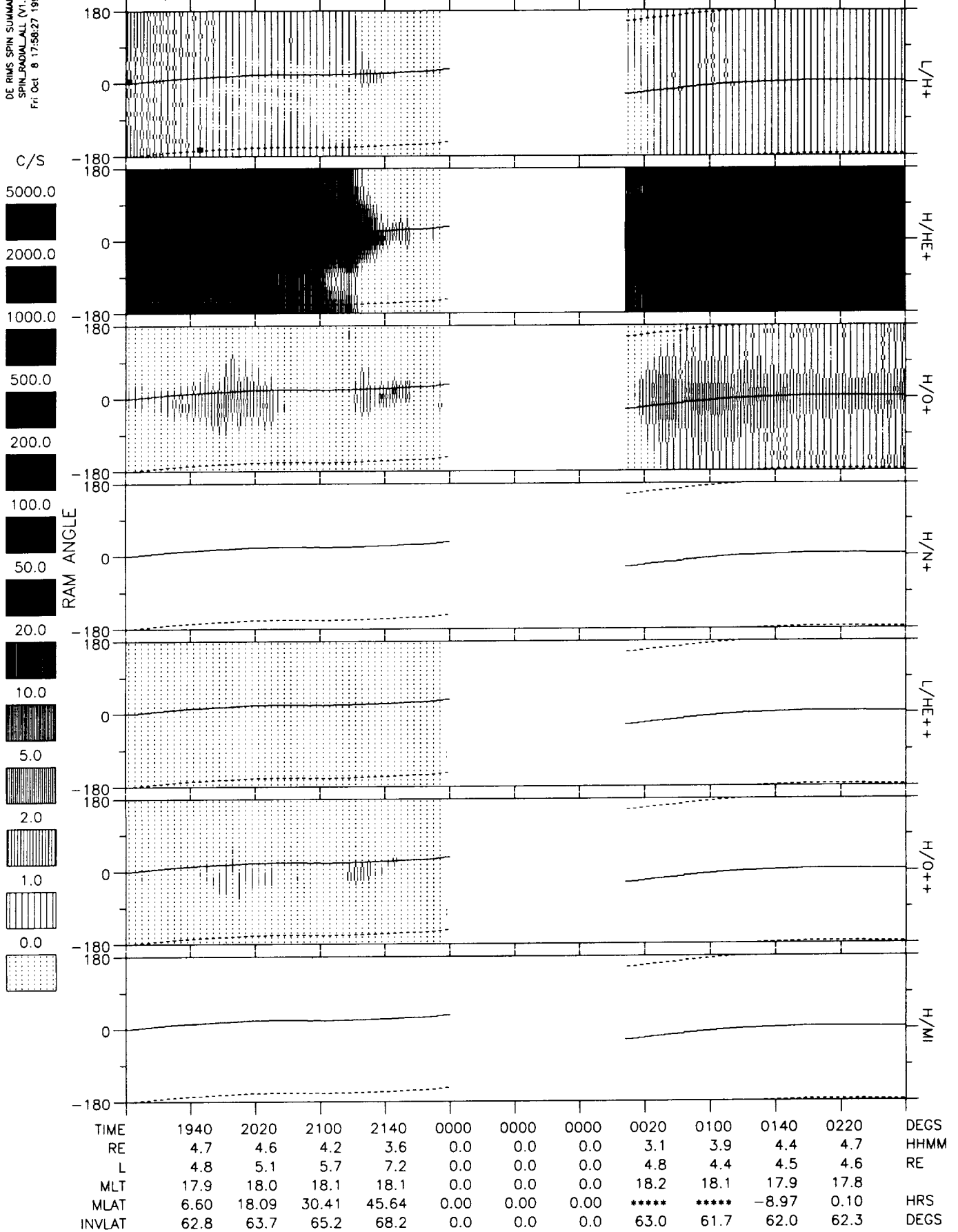
DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Fri Oct 8 17:56:25 1993

82/159 08-JUN 1215:00 - 2015:00 HEAD= RL RPA= 0 to 1000 BIAS= A



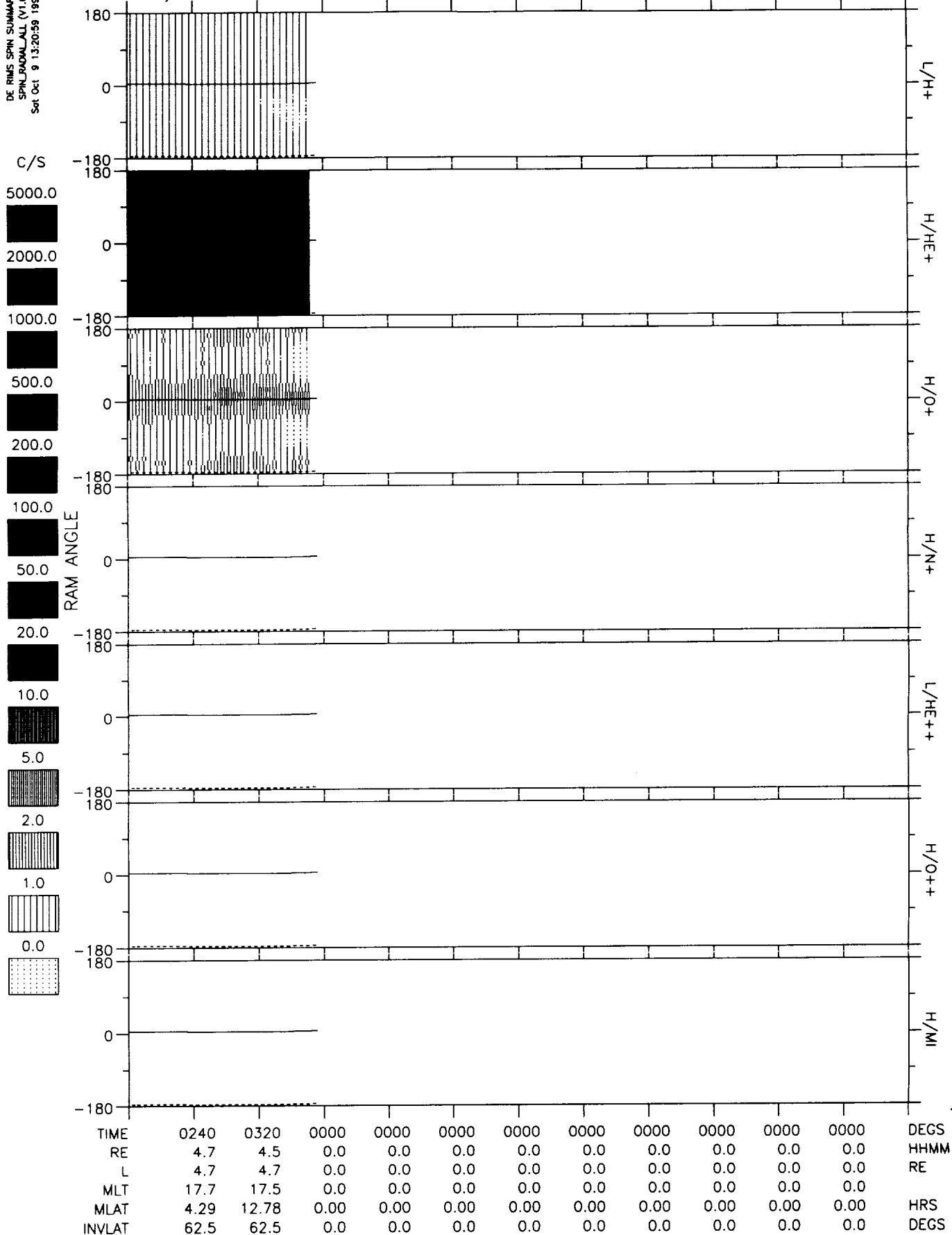
DE RIMS SPIN SUMMARY
SPIN/RADIAL ALL (V1.0)
Fri Oct 8 17:58:27 1993

82/159 08-JUN 1900:00 - 0300:00 HEAD= RL RPA= 0 to 1000 BIAS= A



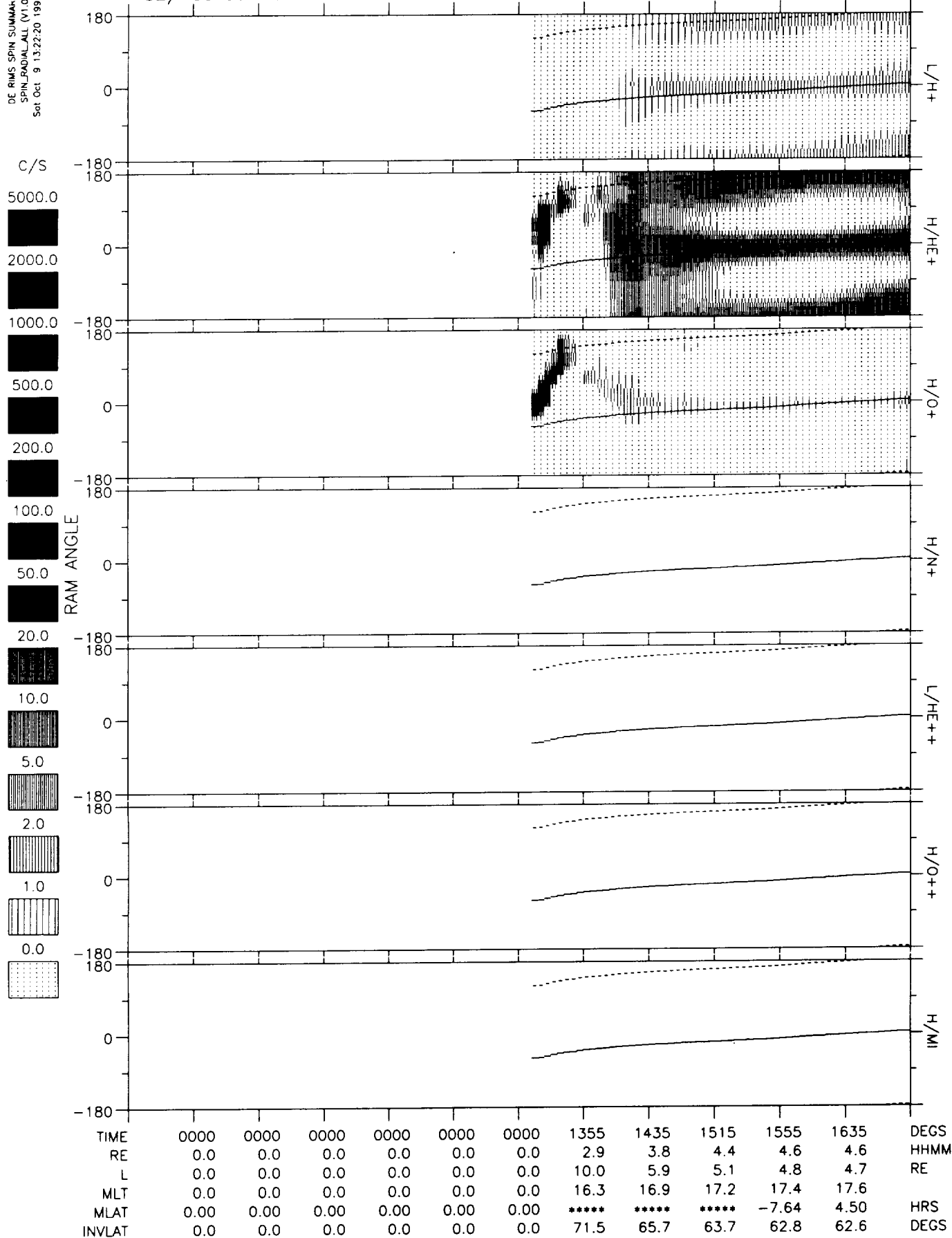
DE RIMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Sat Oct 9 13:20:59 1993

82/160 09-JUN 0200:00 - 1000:00 HEAD= RL RPA= 0 to 1000 BIAS= A



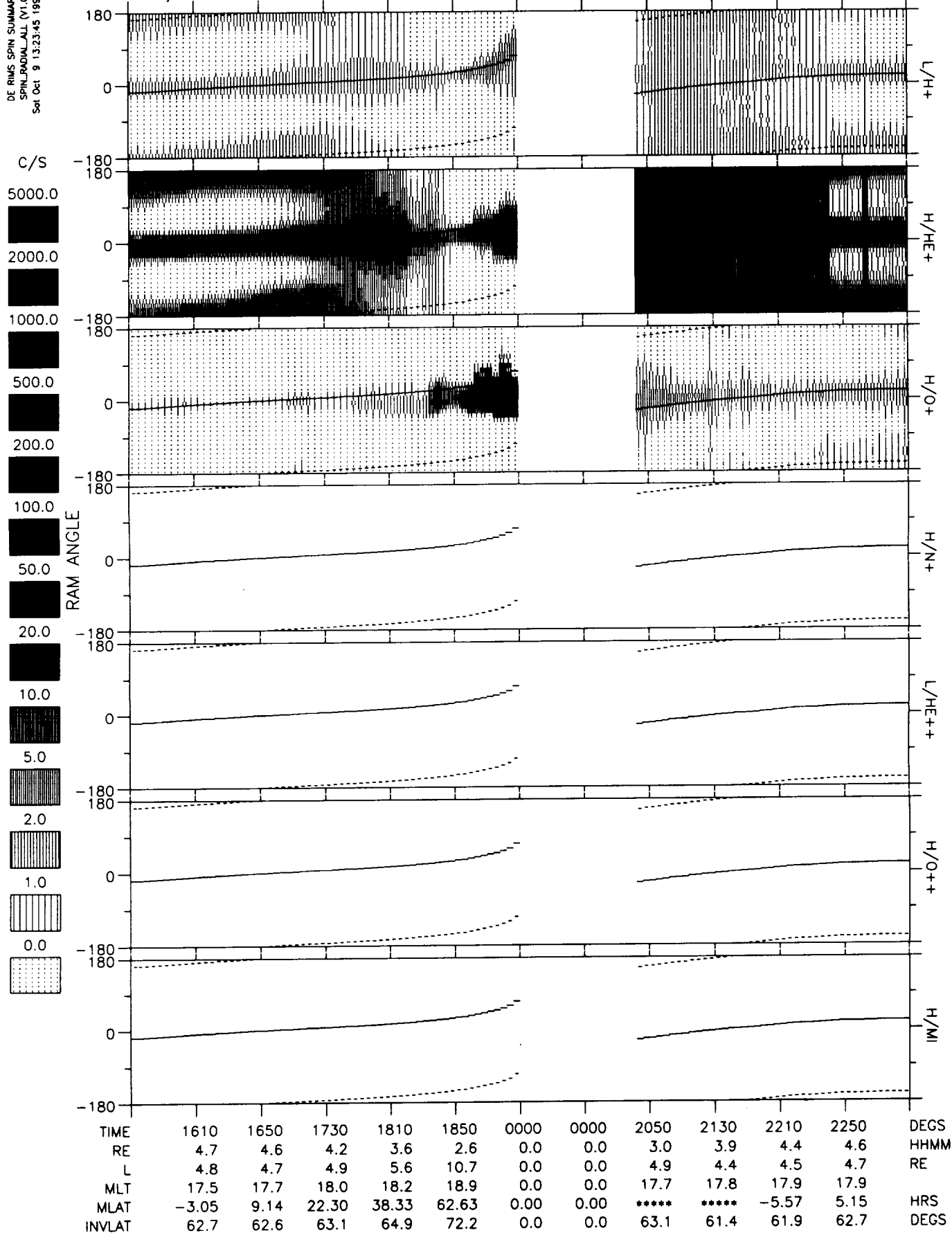
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Sat Oct 9 13:22:20 1993

82/160 09-JUN 0915:00 - 1715:00 HEAD= RL RPA= 0 to 1000 BIAS= A



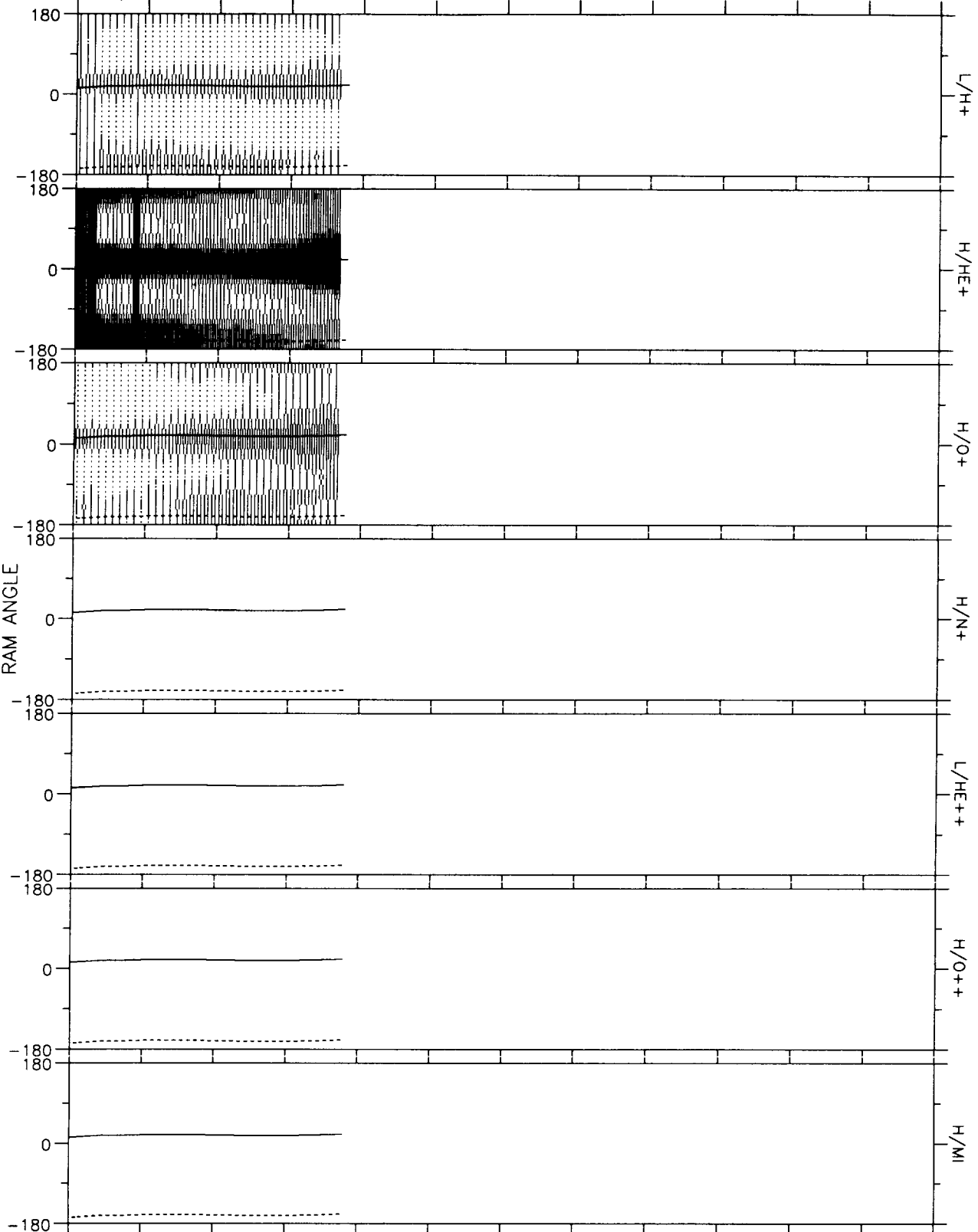
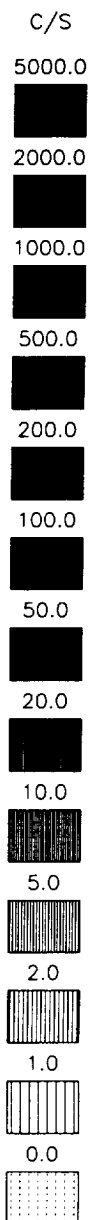
DE RUS SPIN SUMMARY
SPIN/DOCK ALL (V1.0)
Set Oct 9 13:23:45 1993

82/160 09-JUN 1530:00 - 2330:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Sep Oct 9 13:25:46 1993

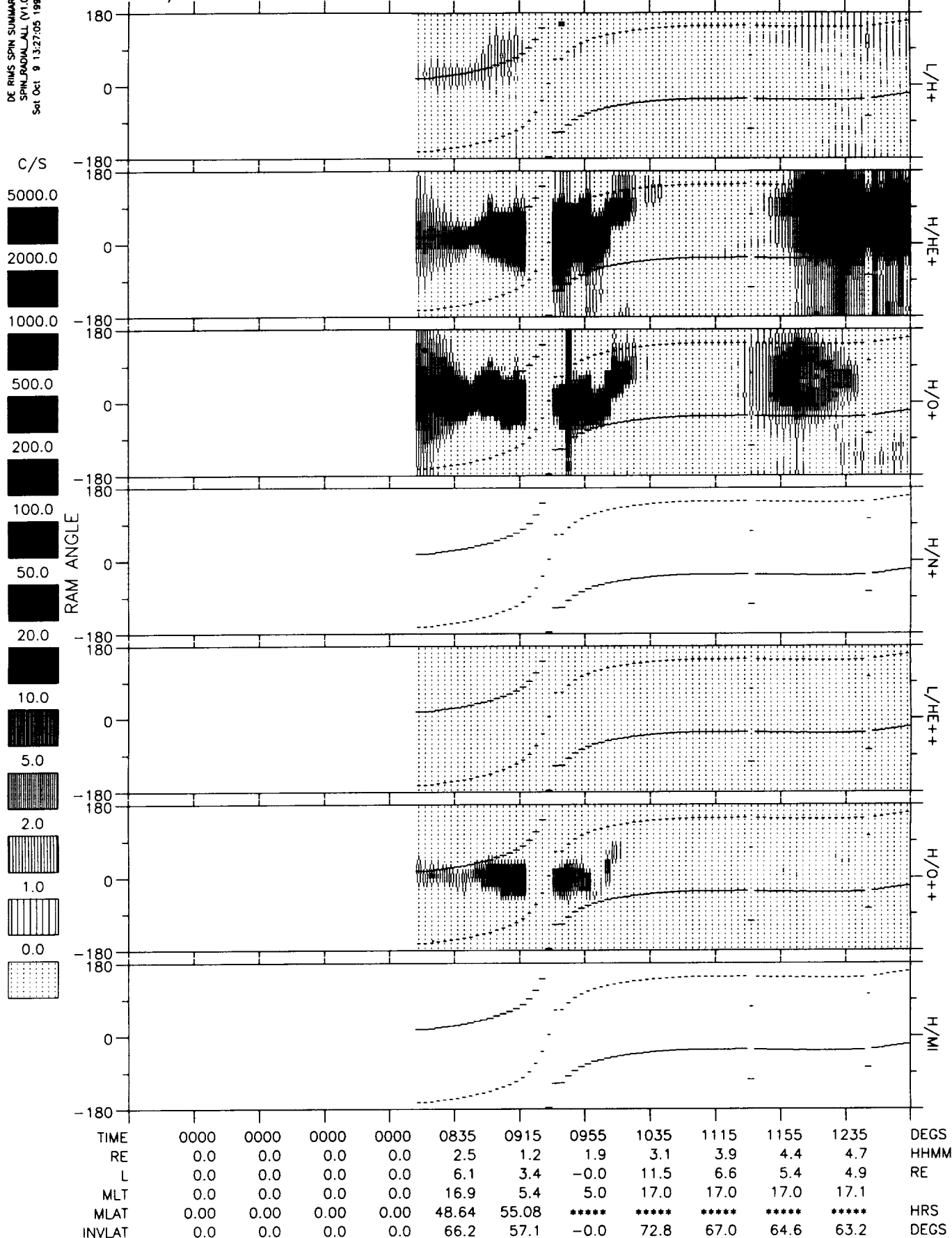
82/160 09-JUN 2230:00 - 0630:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	2310	2350	0030	0000	0000	0000	0000	0000	0000	0000	0000	DEGS
RE	4.7	4.5	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	HHMM
L	4.9	5.2	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	RE
MLT	17.8	17.7	17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MLAT	10.10	19.89	30.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	HRS
INVLAT	63.1	63.9	65.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DEGS

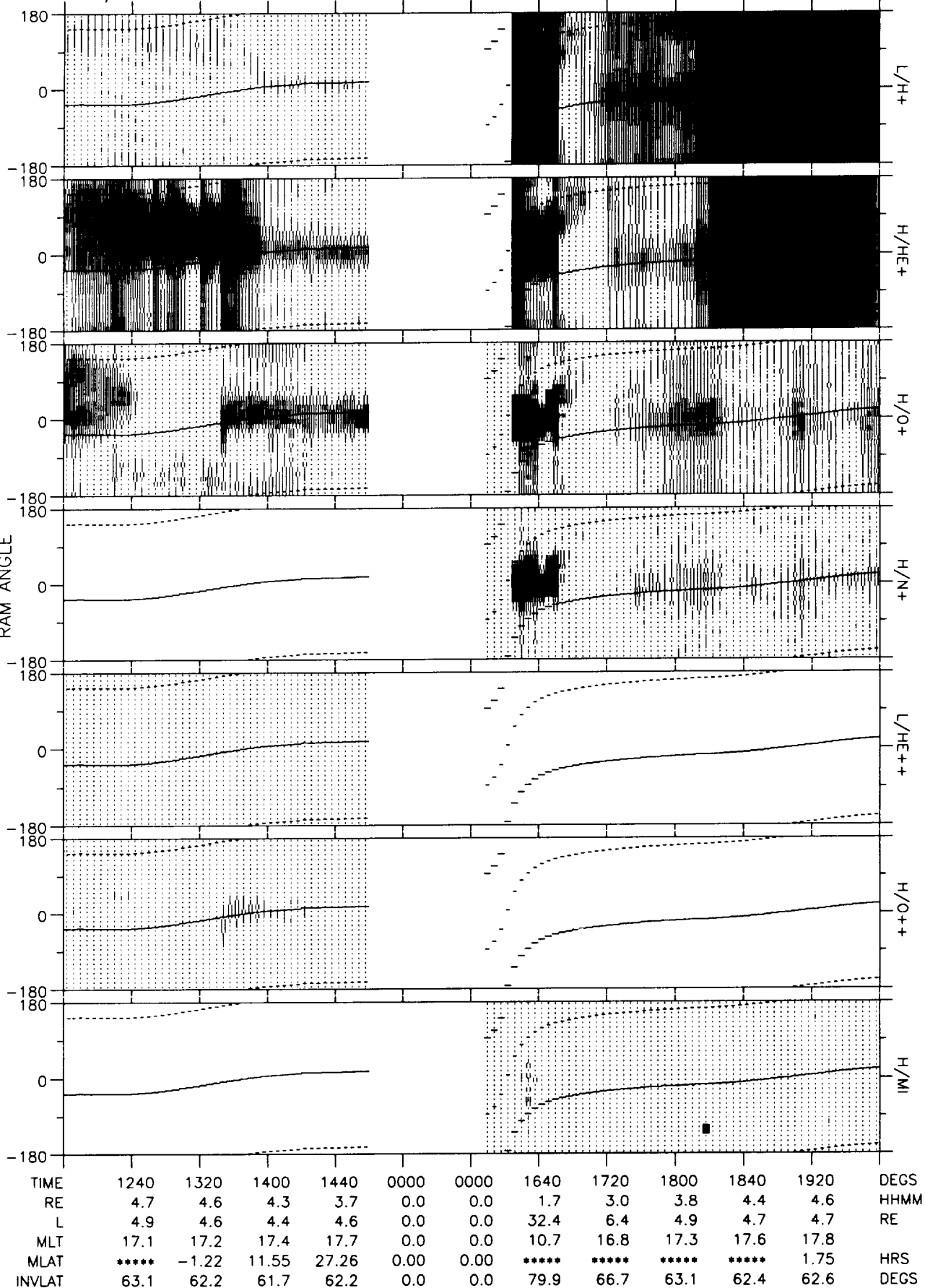
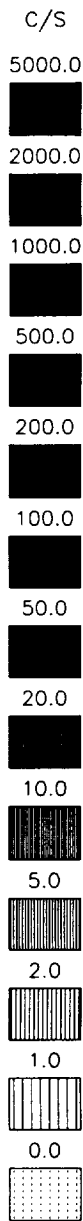
DE RIMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Sat Oct 9 13:27:05 1993

82/161 10-JUN 0515:00 - 1315:00 HEAD= RL RPA= 0 to 1000 BIAS= A



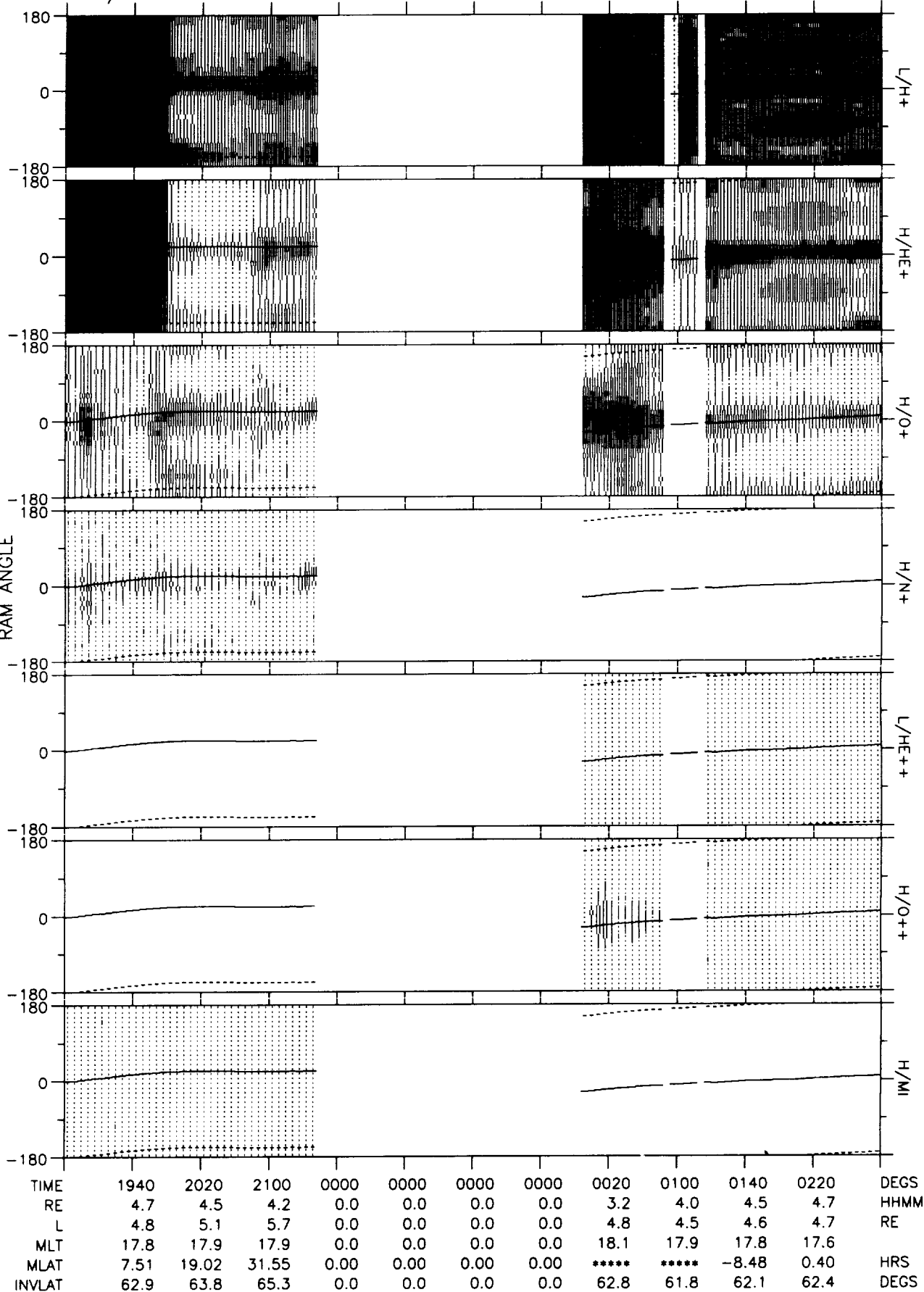
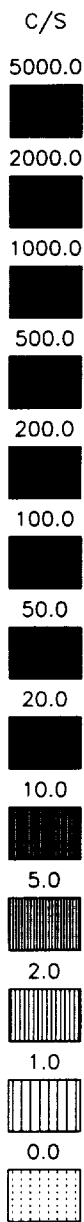
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Sat Oct 9 13:29:04 1993

82/161 10-JUN 1200:00 - 2000:00 HEAD= RL RPA= 0 to 1000 BIAS= A



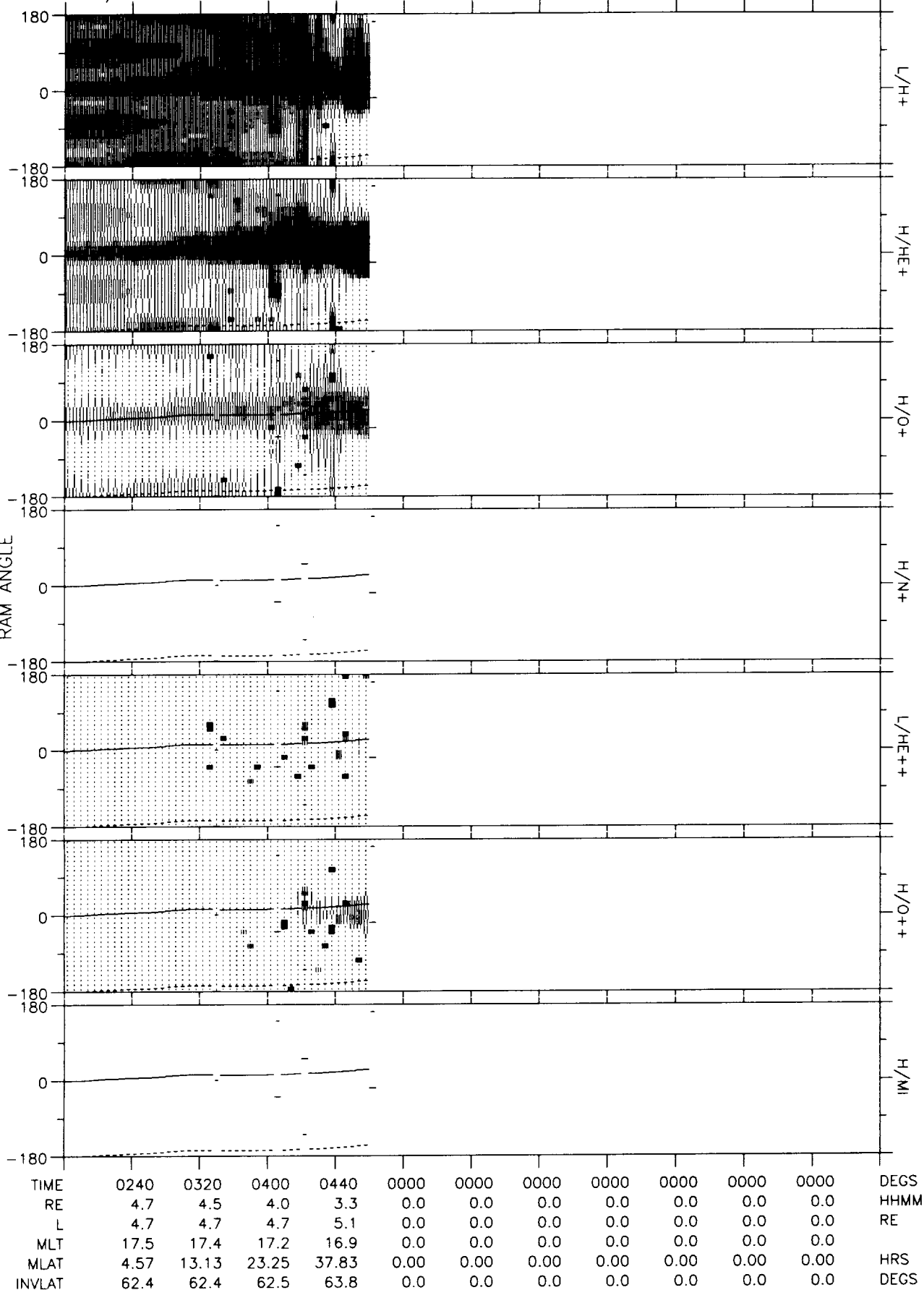
DE RIMS SPIN SUMMARY
SPIN-RADIAL-ALL (V1.0)
Sat Oct 9 13:31:54 1993

82/161 10-JUN 1900:00 - 0300:00 HEAD= RL RPA= 0 to 1000 BIAS= A

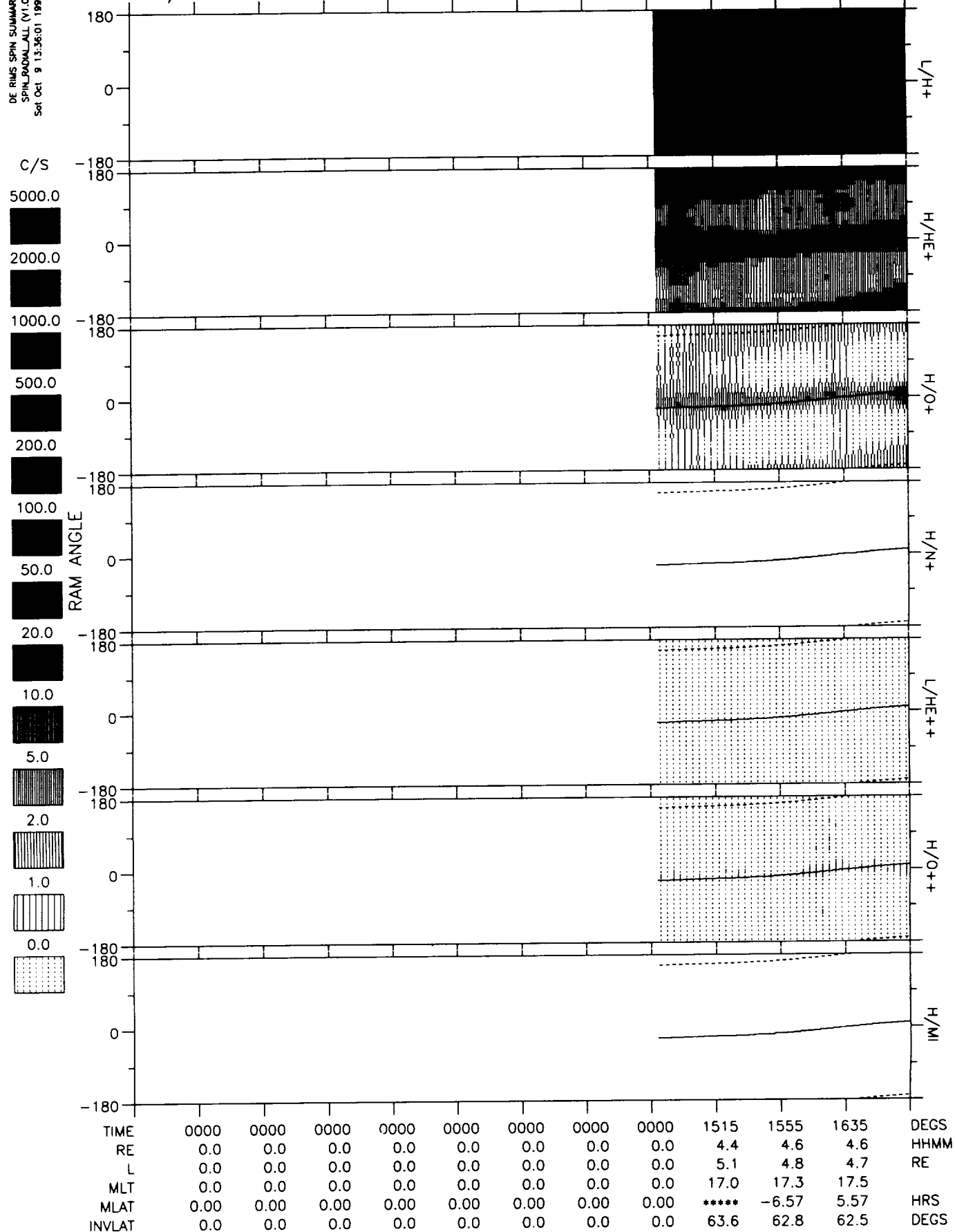


DE RIMS SPIN SUMMARY
SPIN_RADIALALL (V1.0)
Sat Oct 9 13:34:16 1993

82/162 11-JUN 0200:00 - 1000:00 HEAD= RL RPA= 0 to 1000 BIAS= A

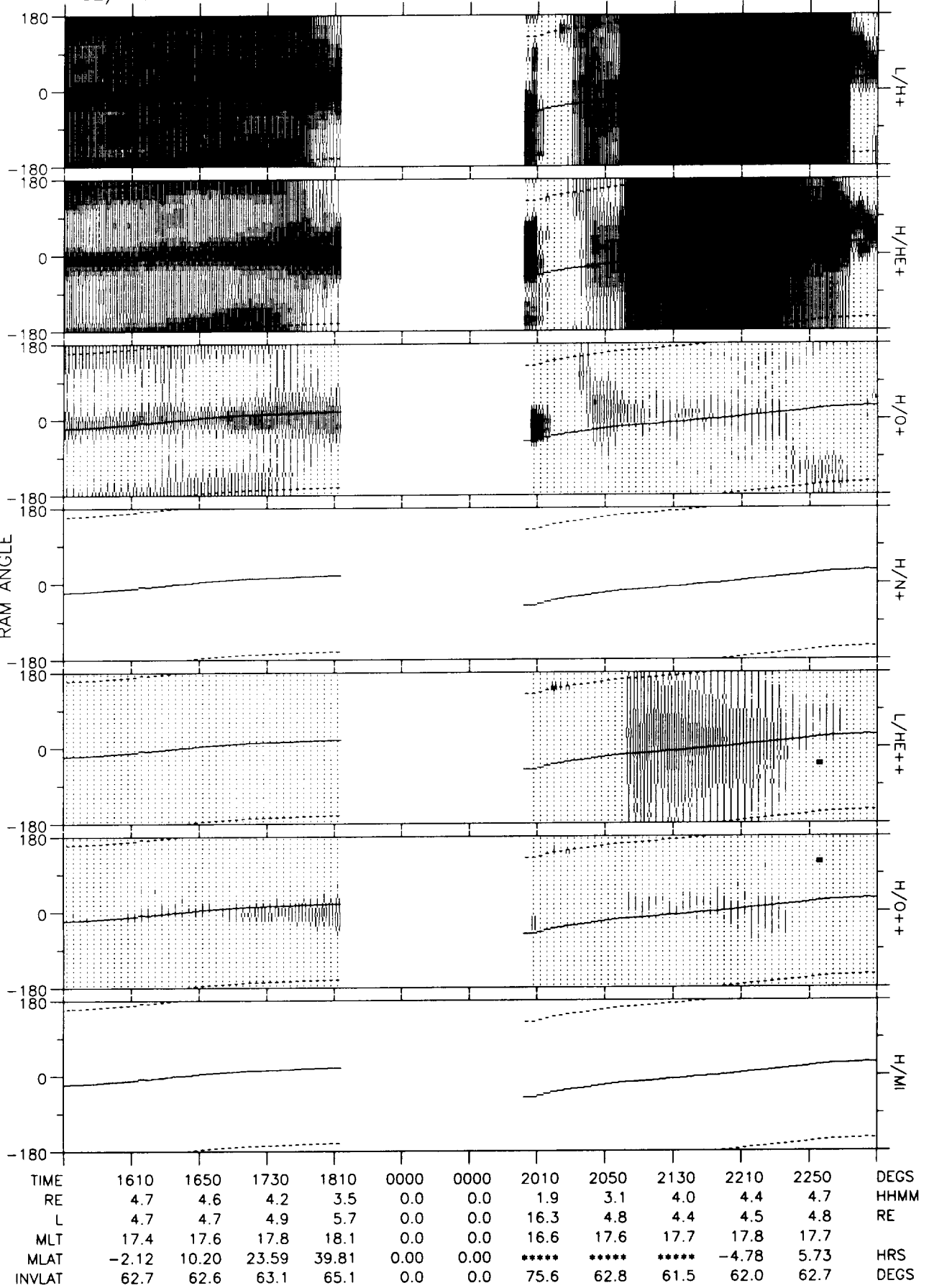
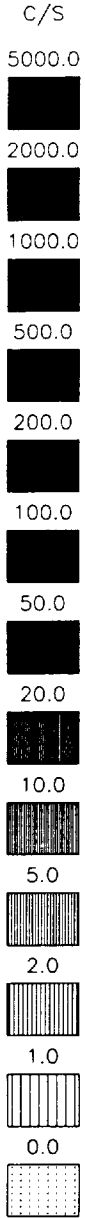


82/162 11-JUN 0915:00 - 1715:00 HEAD= RL RPA= 0 to 1000 BIAS= A



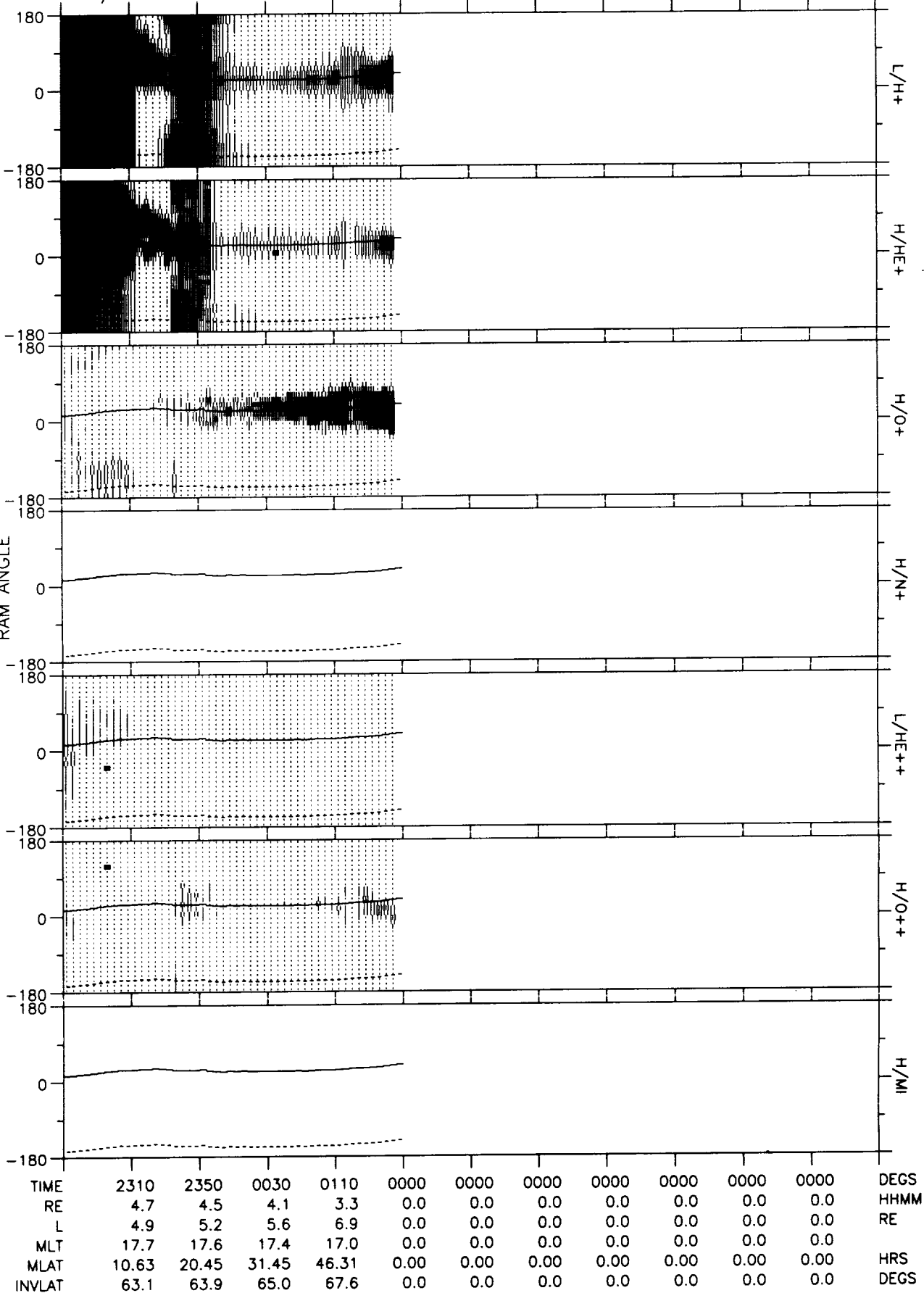
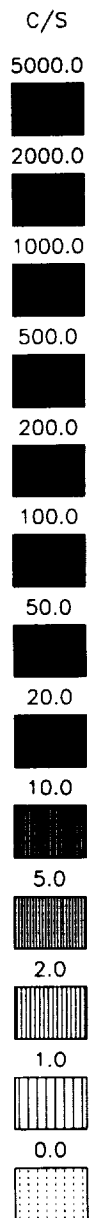
DE RMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Sat Oct 9 13:37:46 1993

82/162 11-JUN 1530:00 - 2330:00 HEAD= RL RPA= 0 to 1000 BIAS= A



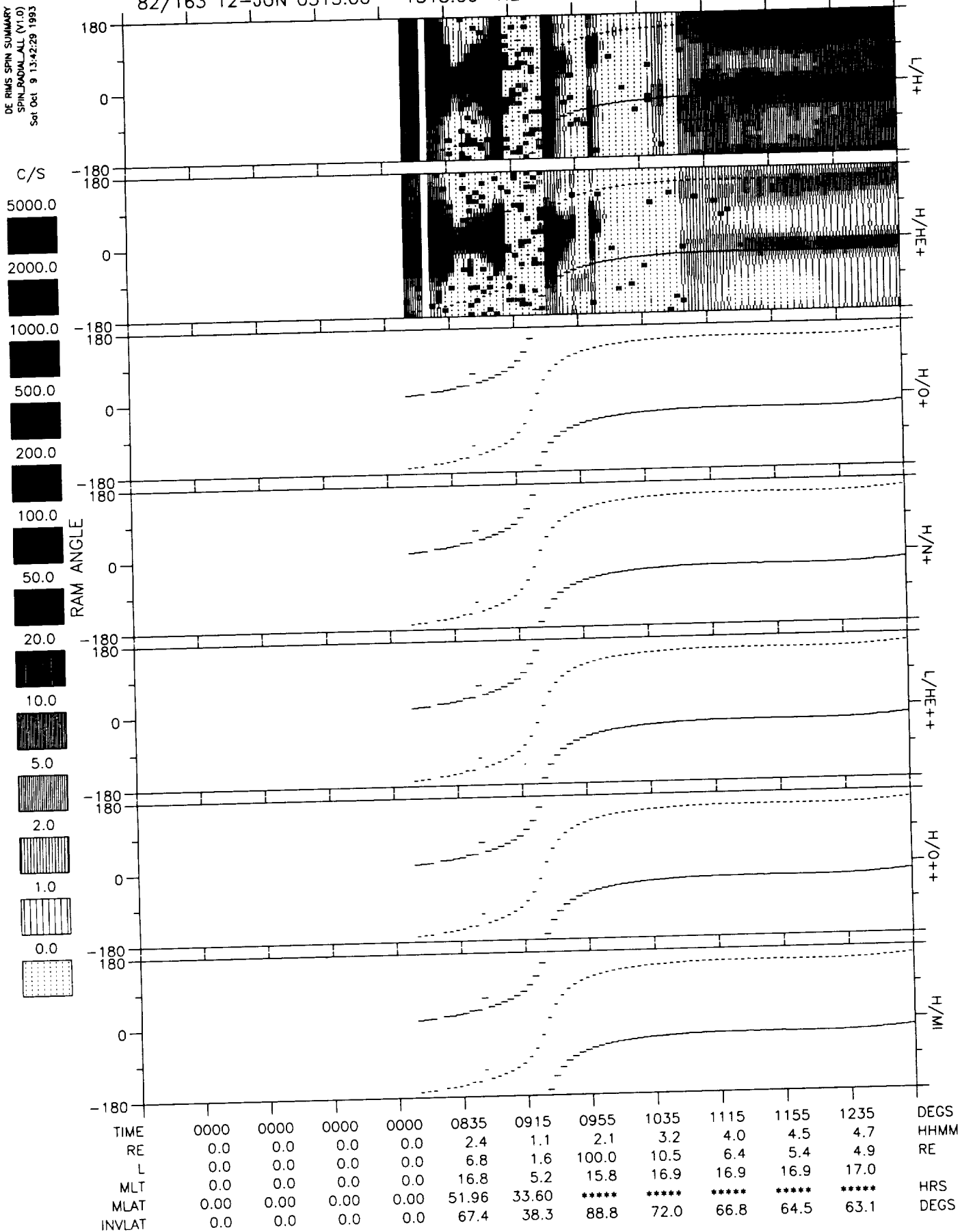
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Sat Oct 9 13:40:47 1993

82/162 11-JUN 2230:00 - 0630:00 HEAD= RL RPA= 0 to 1000 BIAS= A



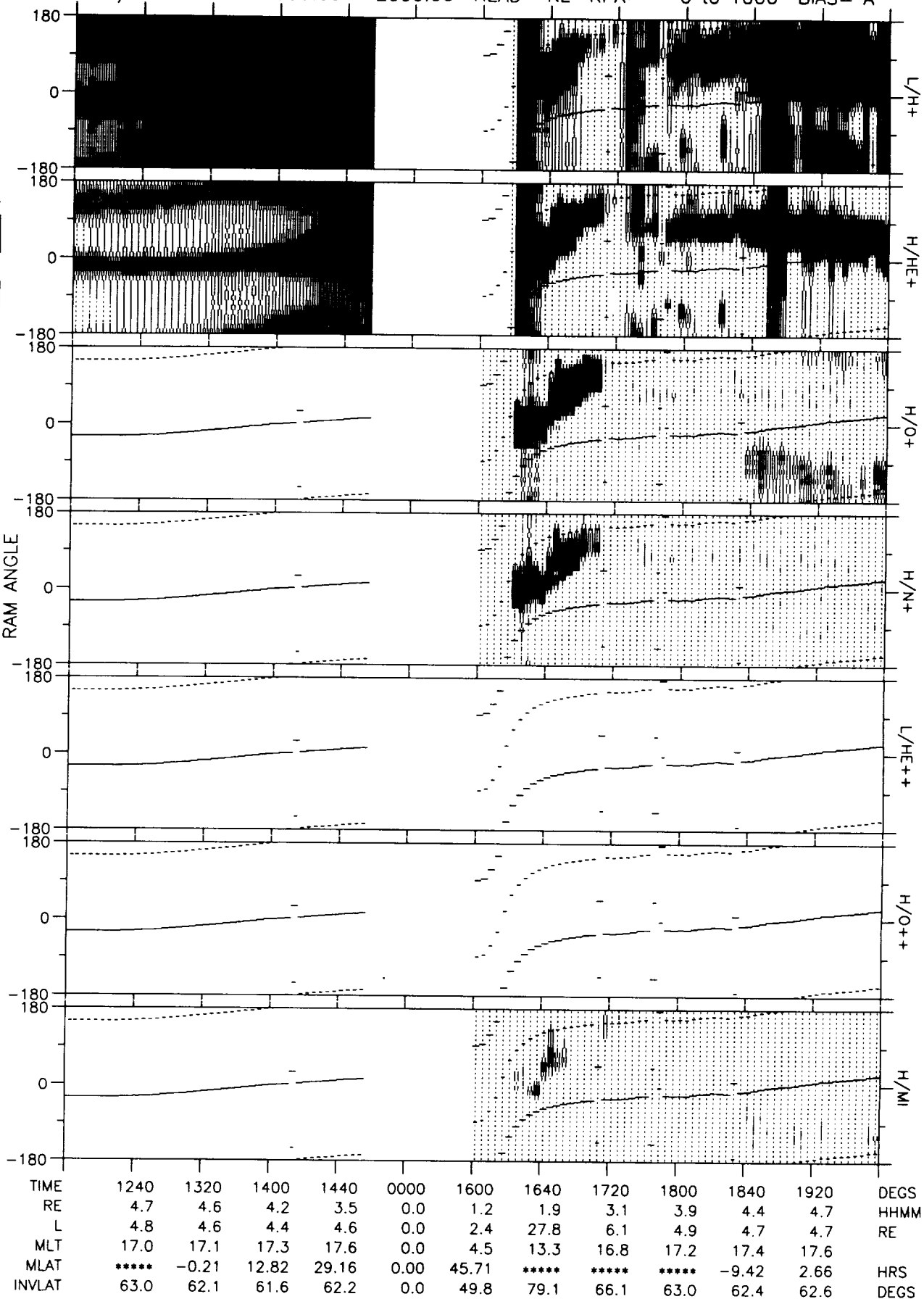
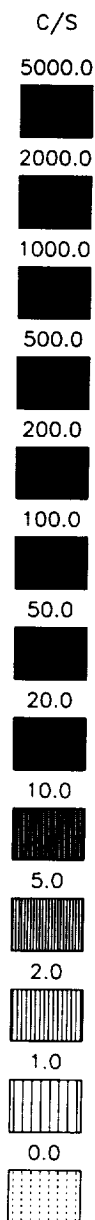
DE RMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Sat Oct 9 13:42:29 1993

82/163 12-JUN 0515:00 - 1315:00 HEAD= RL RPA= 0 to 1000 BIAS= A



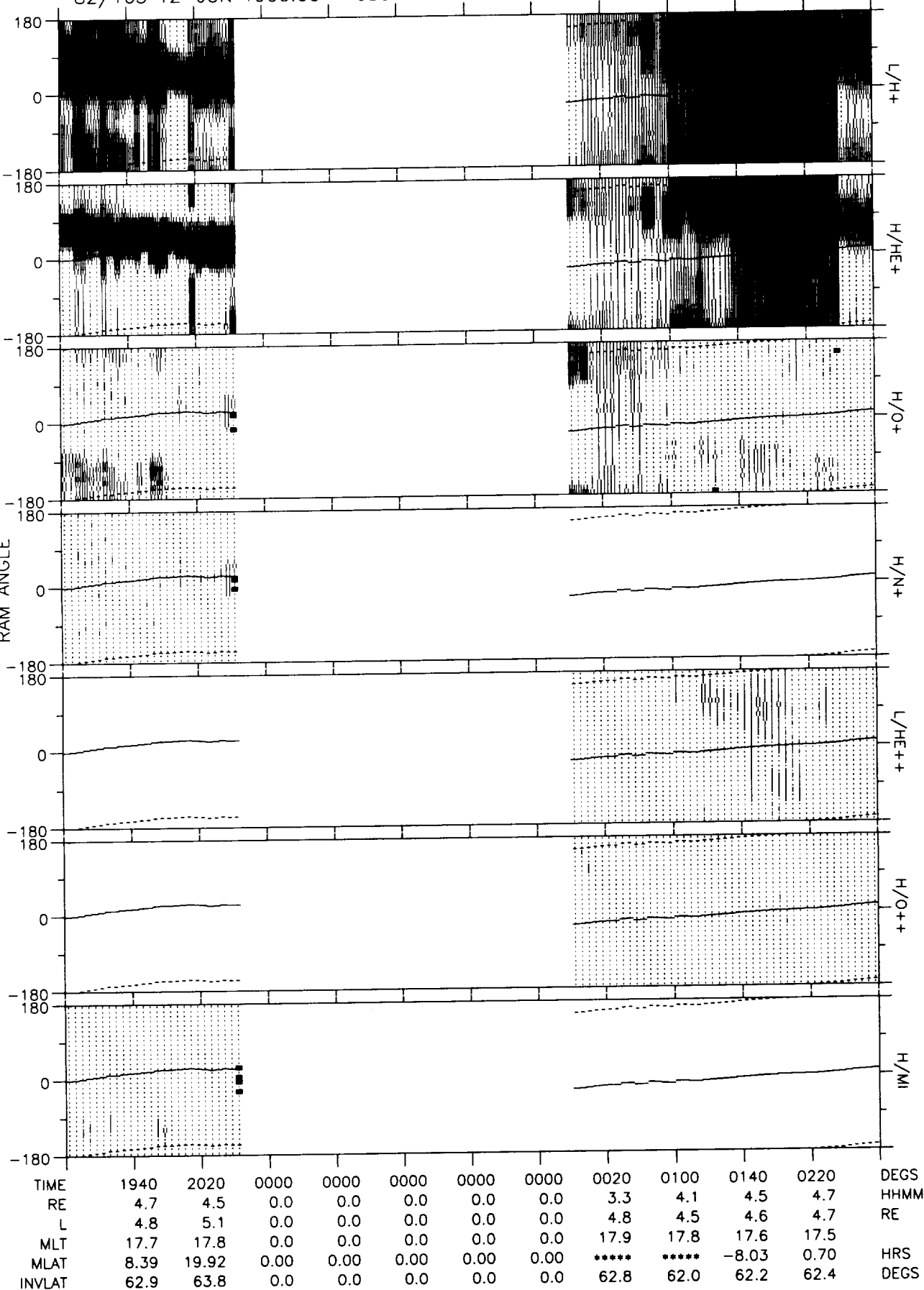
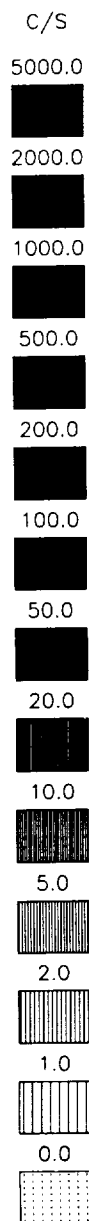
DE RIMS SPIN SUMMARY
SPIN_BUMAL.L (V1.0)
Sat Oct 9 13:44:10 1993

82/163 12-JUN 1200:00 - 2000:00 HEAD= RL RPA= 0 to 1000 BIAS= A



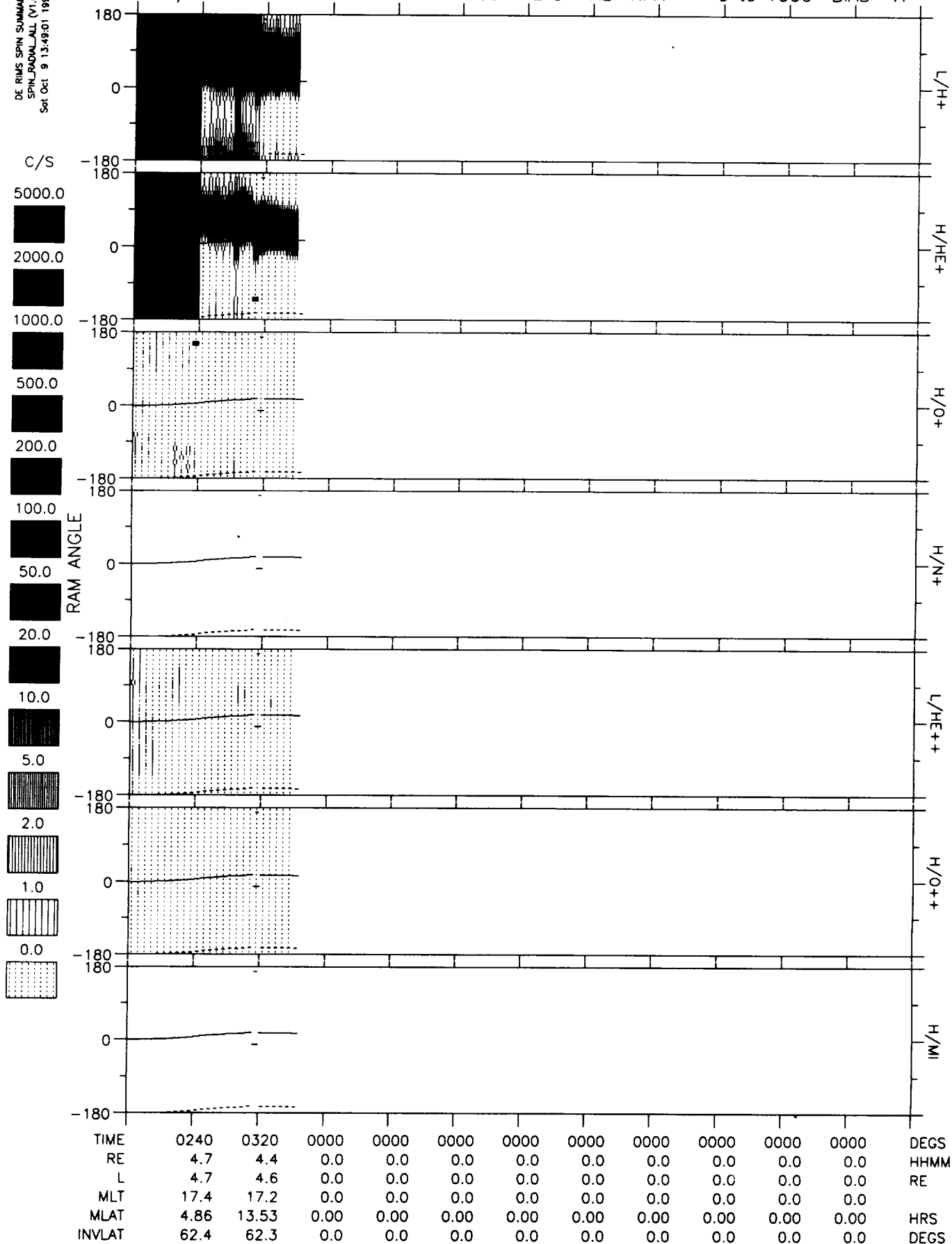
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Sat Oct 9 13:46:44 1993

82/163 12-JUN 1900:00 - 0300:00 HEAD= RL RPA= 0 to 1000 BIAS= A



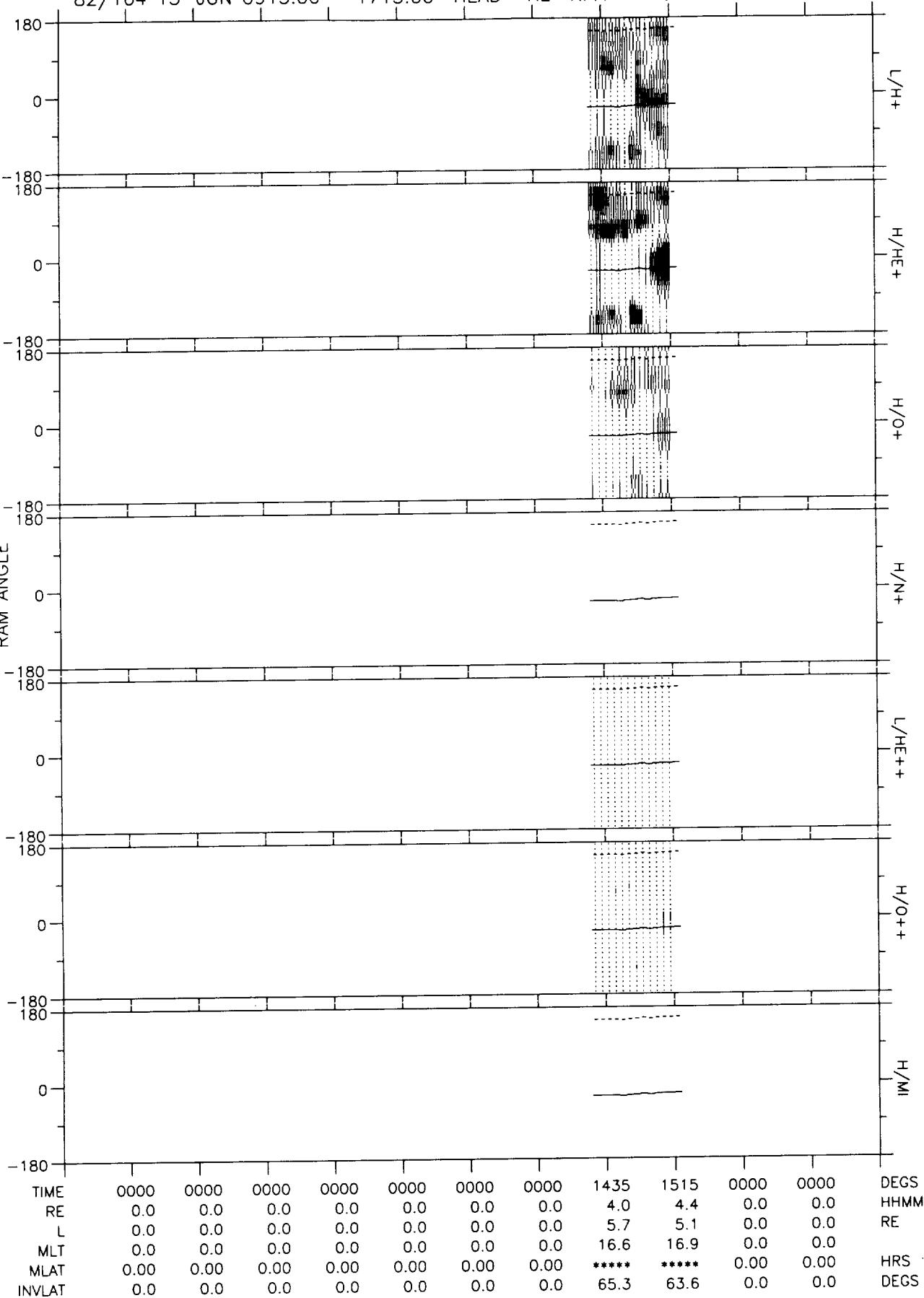
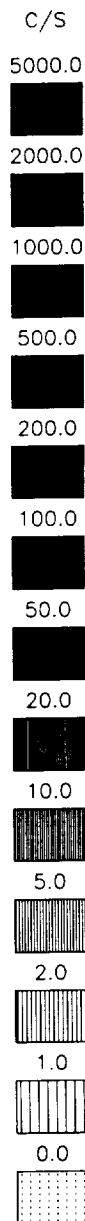
DE RIMS SPIN SUMMARY
SPIN_RAOAL ALL (V1.0)
Sat Oct 9 13:49:01 1993

82/164 13-JUN 0200:00 - 1000:00 HEAD= RL RPA= 0 to 1000 BIAS= A



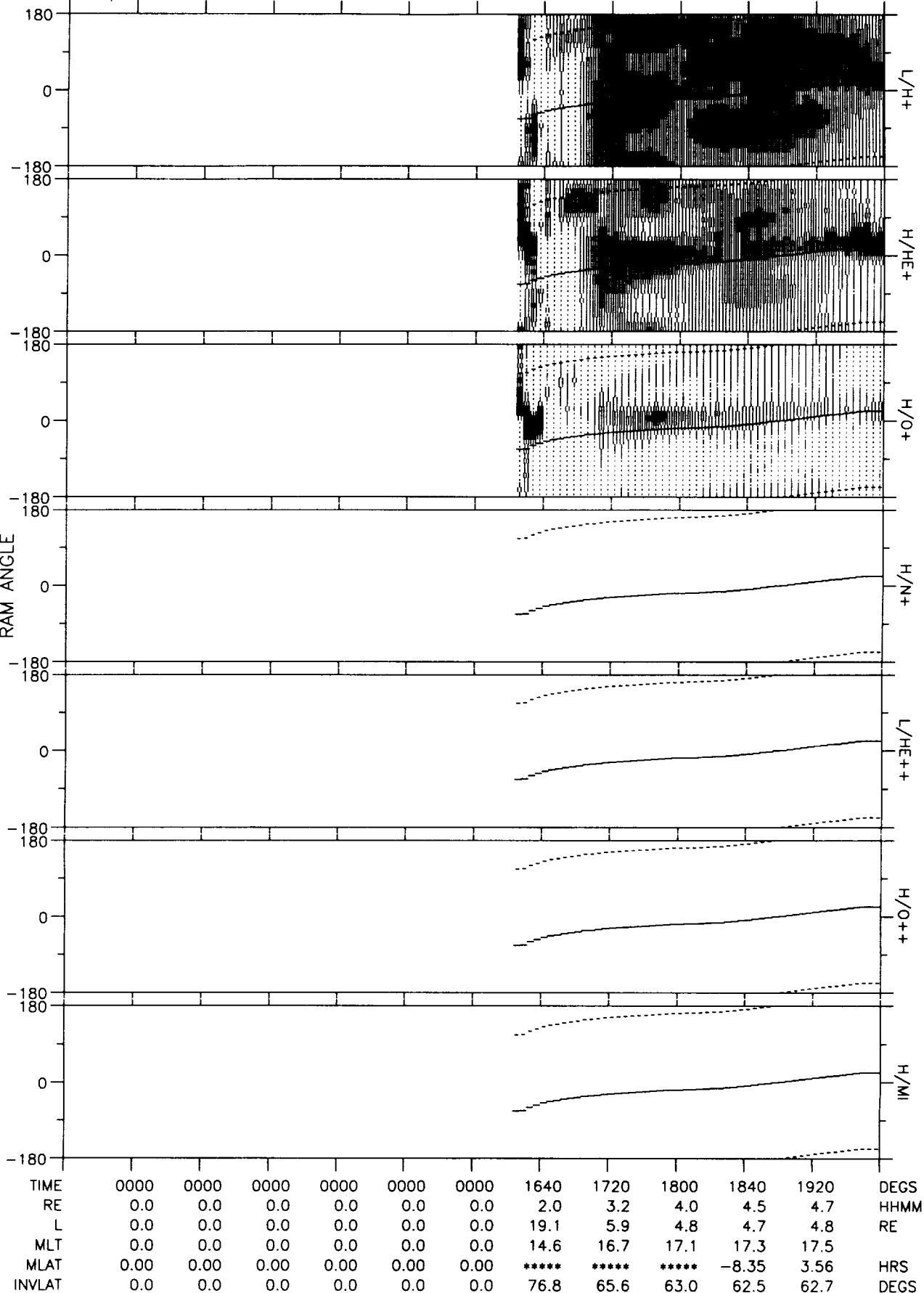
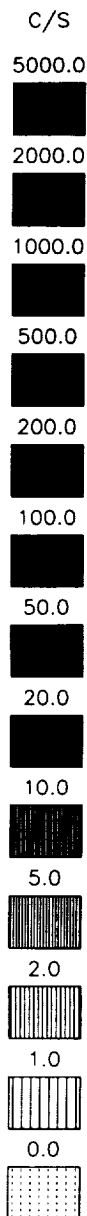
DE RIMS SPIN SUMMARY
SPIN/RADIALALL (V1.0)
Sat Oct 9 13:50:33 1993

82/164 13-JUN 0915:00 - 1715:00 HEAD= RL RPA= 0 to 1000 BIAS= A



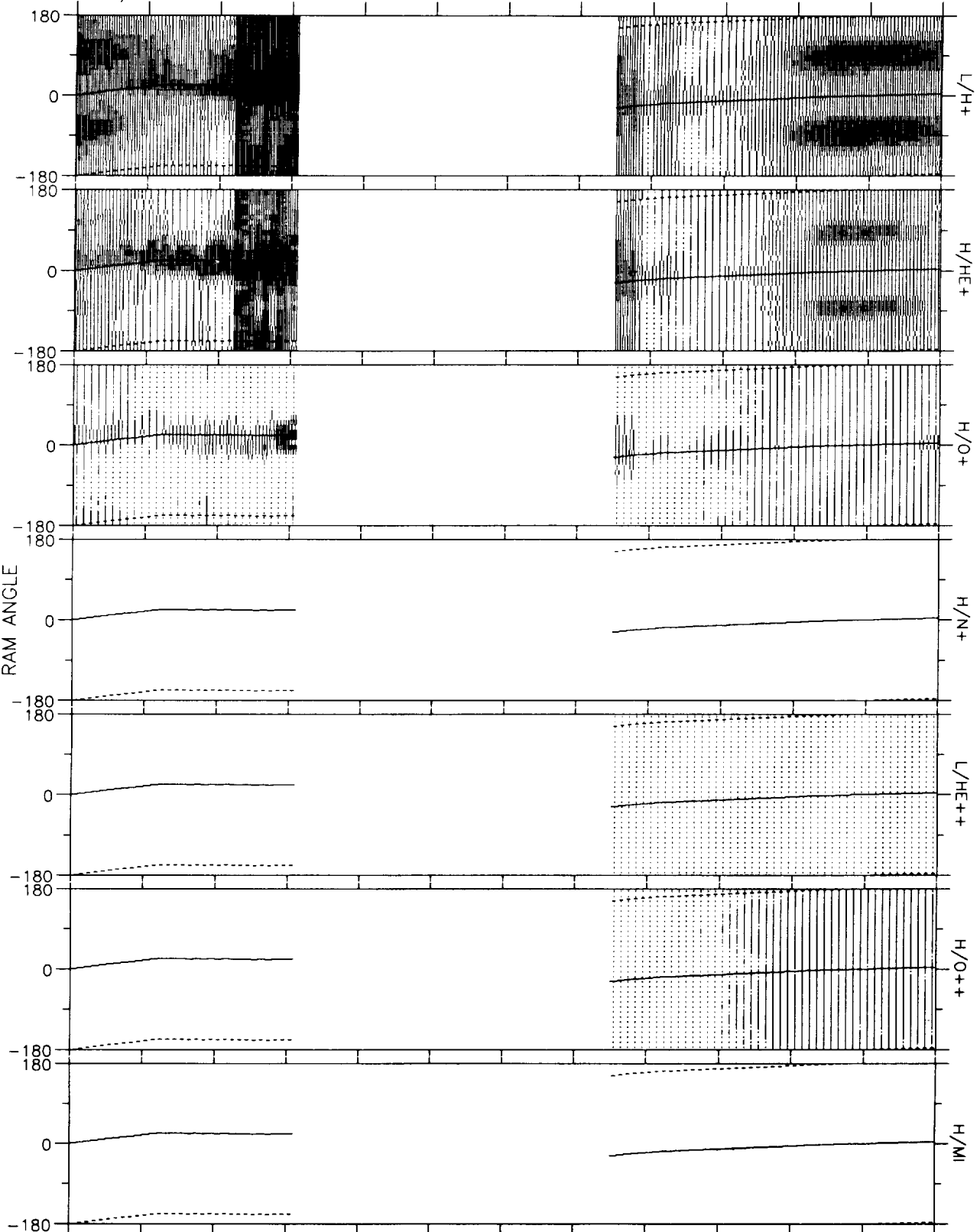
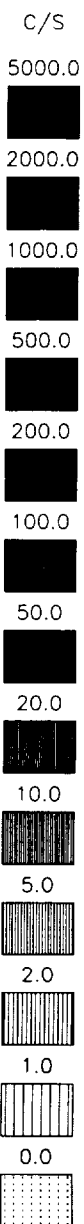
DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Sat Oct 9 13:59:19 1993

82/165 14-JUN 1200:00 - 2000:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN-RADIAL-ALL (V1.0)
Sat Oct 9 14:00:55 1993

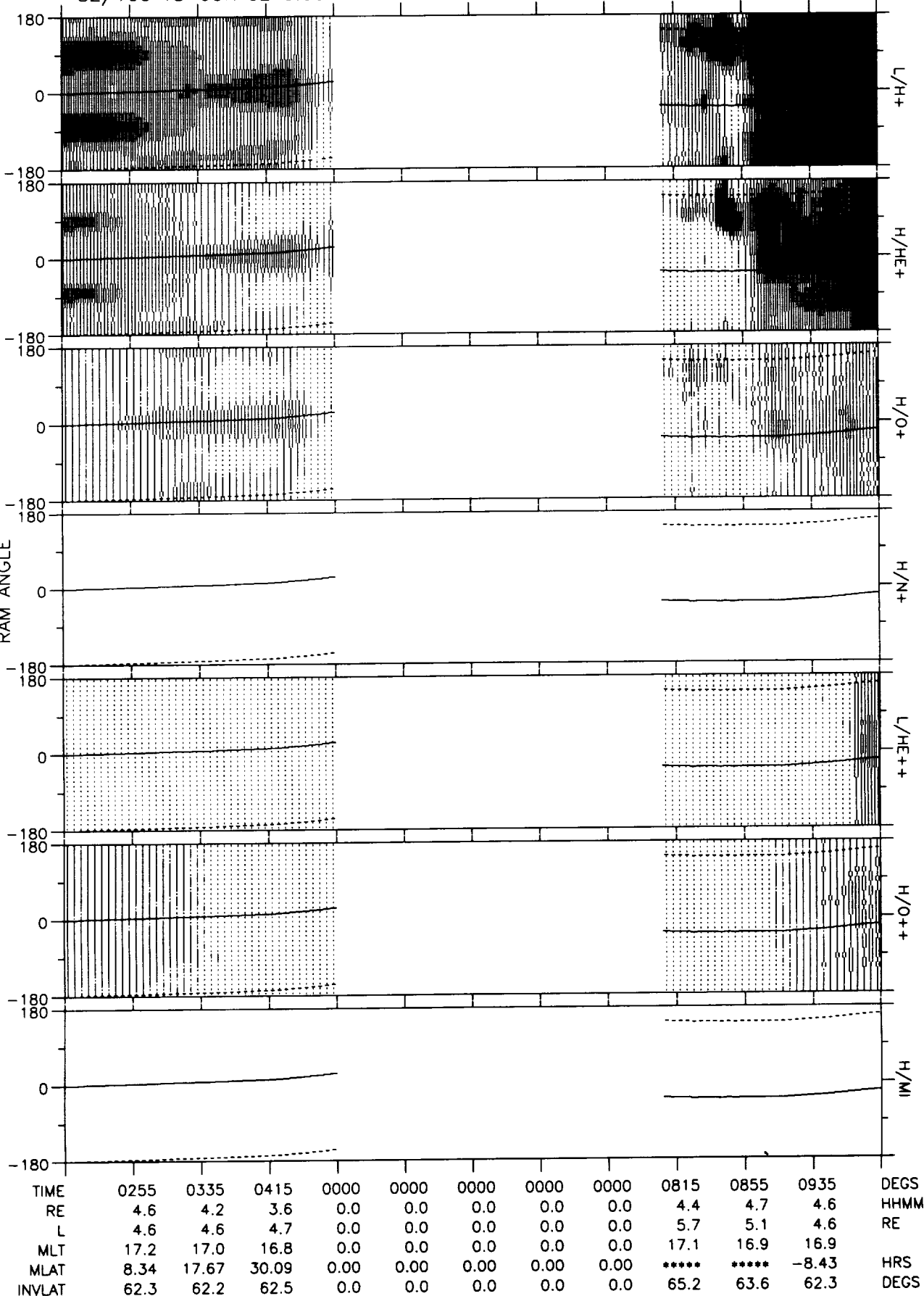
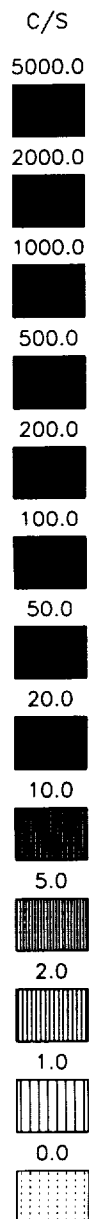
82/165 14-JUN 1900:00 - 0300:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	1940	2020	2100	0000	0000	0000	0000	0020	0100	0140	0220	DEGS
RE	4.7	4.5	4.1	0.0	0.0	0.0	0.0	3.4	4.1	4.5	4.7	HHMM
L	4.8	5.2	5.7	0.0	0.0	0.0	0.0	4.8	4.6	4.6	4.7	RE
MLT	17.5	17.6	17.6	0.0	0.0	0.0	0.0	17.8	17.6	17.5	17.4	
MLAT	9.27	20.89	32.51	0.00	0.00	0.00	0.00	*****	*****	-7.58	1.02	HRS
INVLAT	63.0	63.9	65.3	0.0	0.0	0.0	0.0	62.7	62.1	62.3	62.4	DEGS

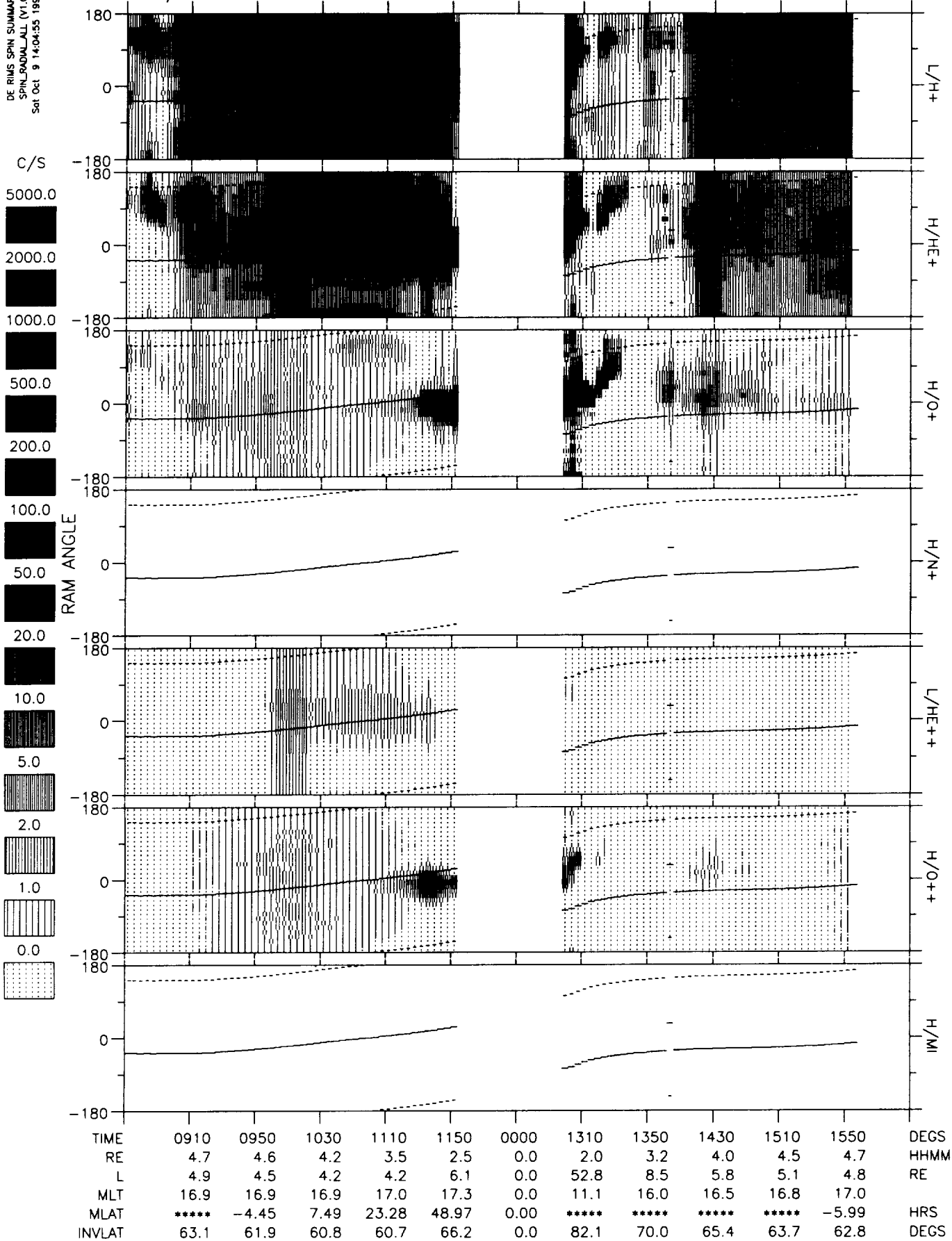
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Sat Oct 9 14:02:51 1993

82/166 15-JUN 0215:00 - 1015:00 HEAD= RL RPA= 0 to 1000 BIAS= A



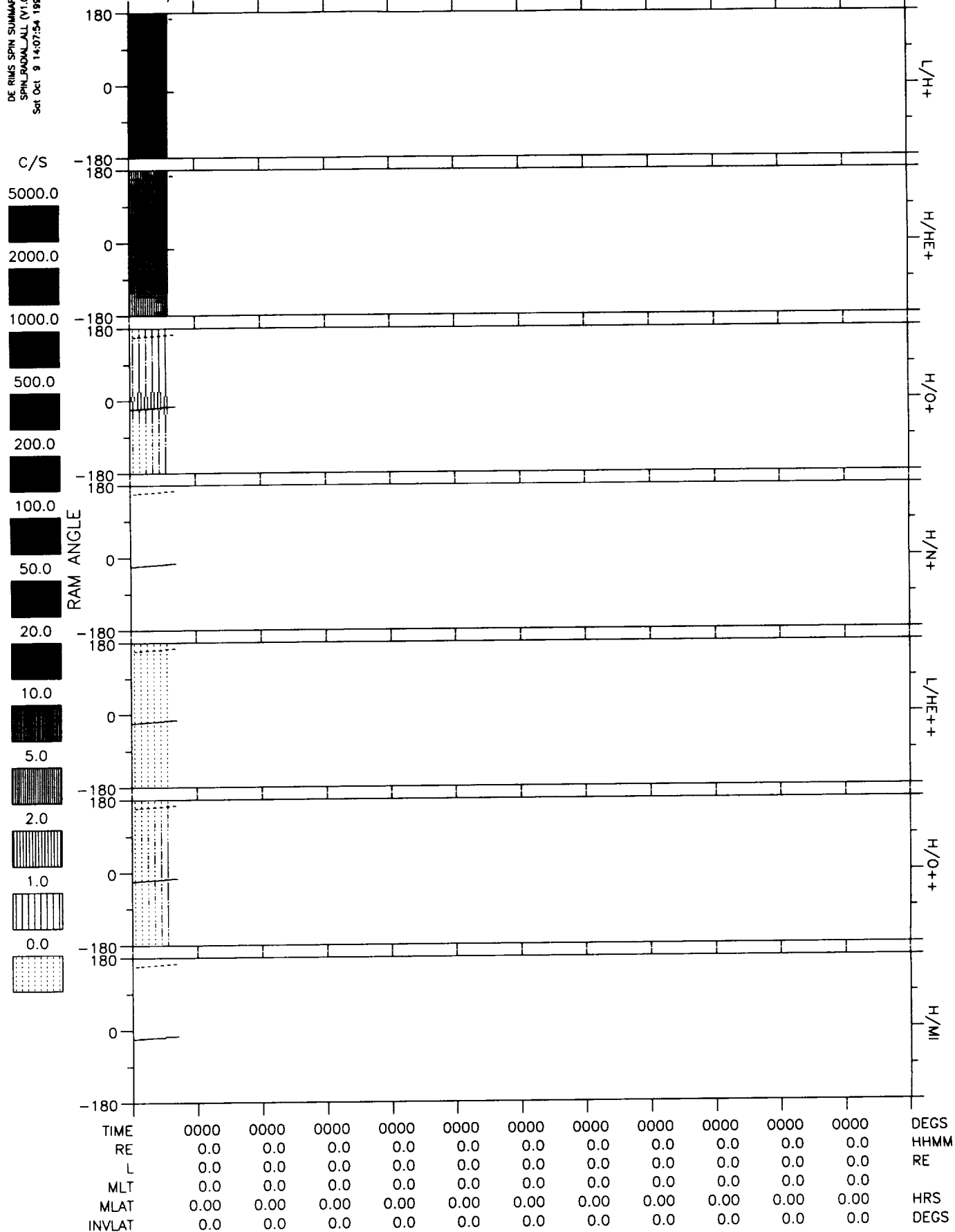
DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Sat Oct 9 14:04:55 1993

82/166 15-JUN 0830:00 - 1630:00 HEAD= RL RPA= 0 to 1000 BIAS= A



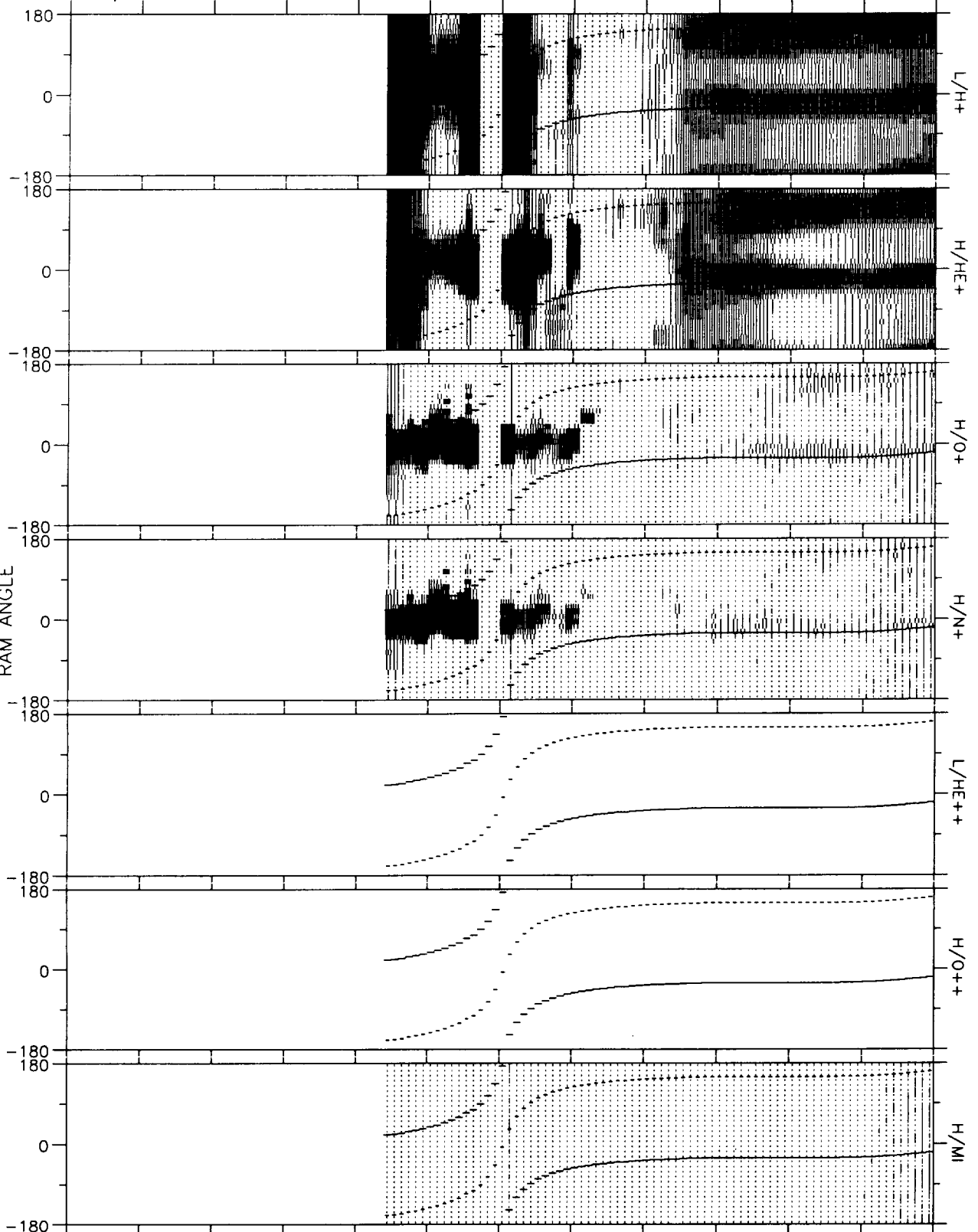
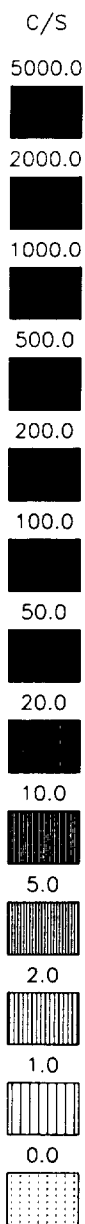
DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Sat Oct 9 14:07:54 1993

82/166 15-JUN 1530:00 - 2330:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Sat Oct 9 14:09:02 1993

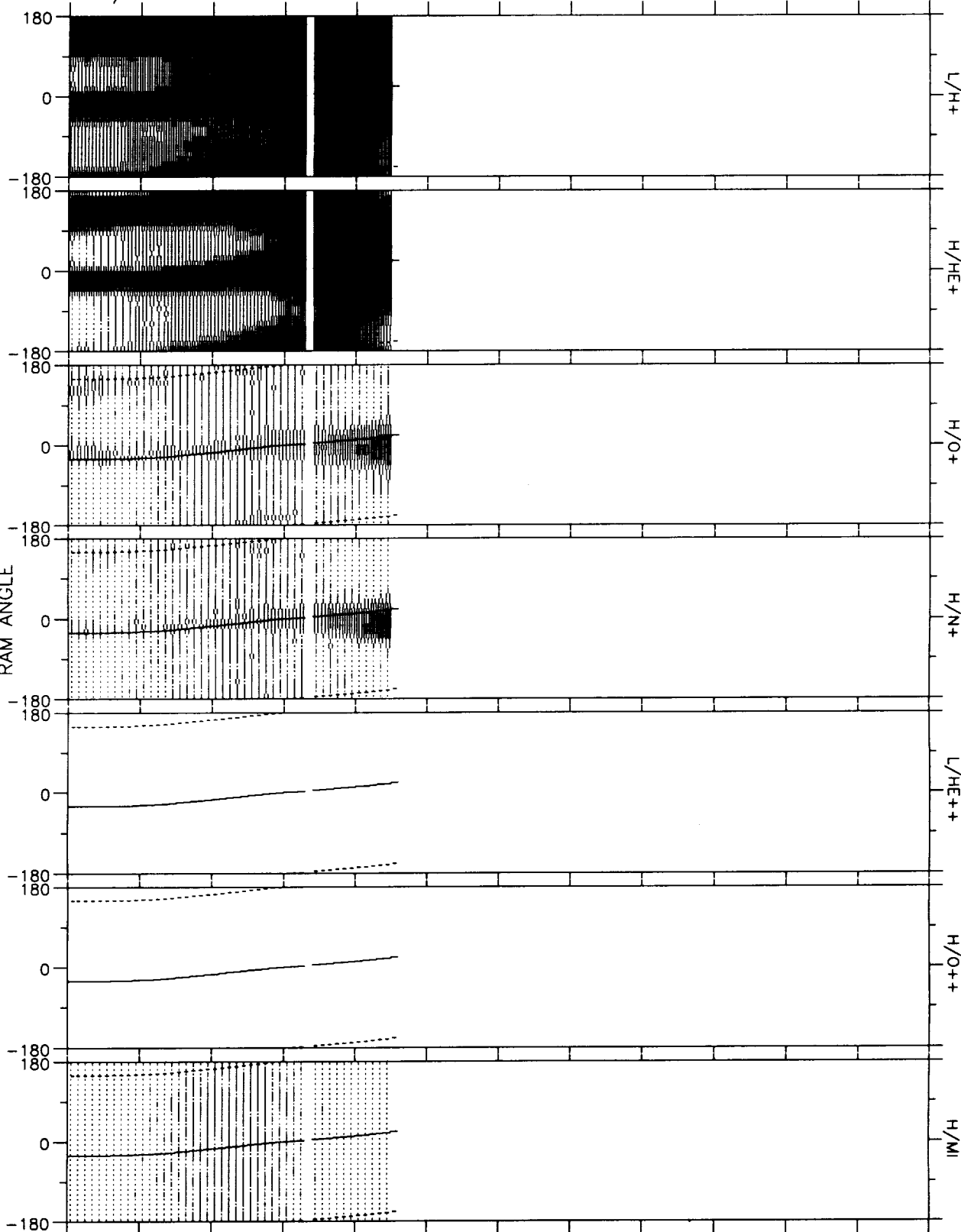
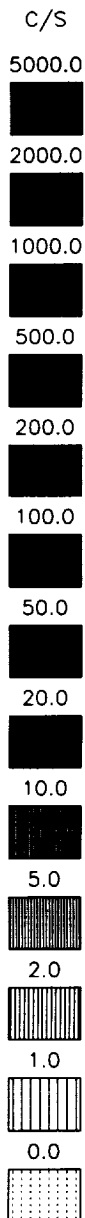
82/167 16-JUN 0515:00 - 1315:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0000	0000	0000	0000	0835	0915	0955	1035	1115	1155	1235	DEGS
RE	0.0	0.0	0.0	0.0	2.0	1.1	2.4	3.5	4.2	4.5	4.7	HHMM
L	0.0	0.0	0.0	0.0	12.0	1.2	76.7	9.1	6.3	5.3	4.8	RE
MLT	0.0	0.0	0.0	0.0	16.4	4.8	16.5	16.5	16.5	16.6	16.7	
MLAT	0.00	0.00	0.00	0.00	63.61	*****	*****	*****	*****	*****	*****	HRS
INVLAT	0.0	0.0	0.0	0.0	73.2	26.6	83.4	70.7	66.4	64.3	63.0	DEGS

DE RMS SPIN SUMMARY
SPINRADIALALL (V1.0)
Sat Oct 9 14:11:18 1993

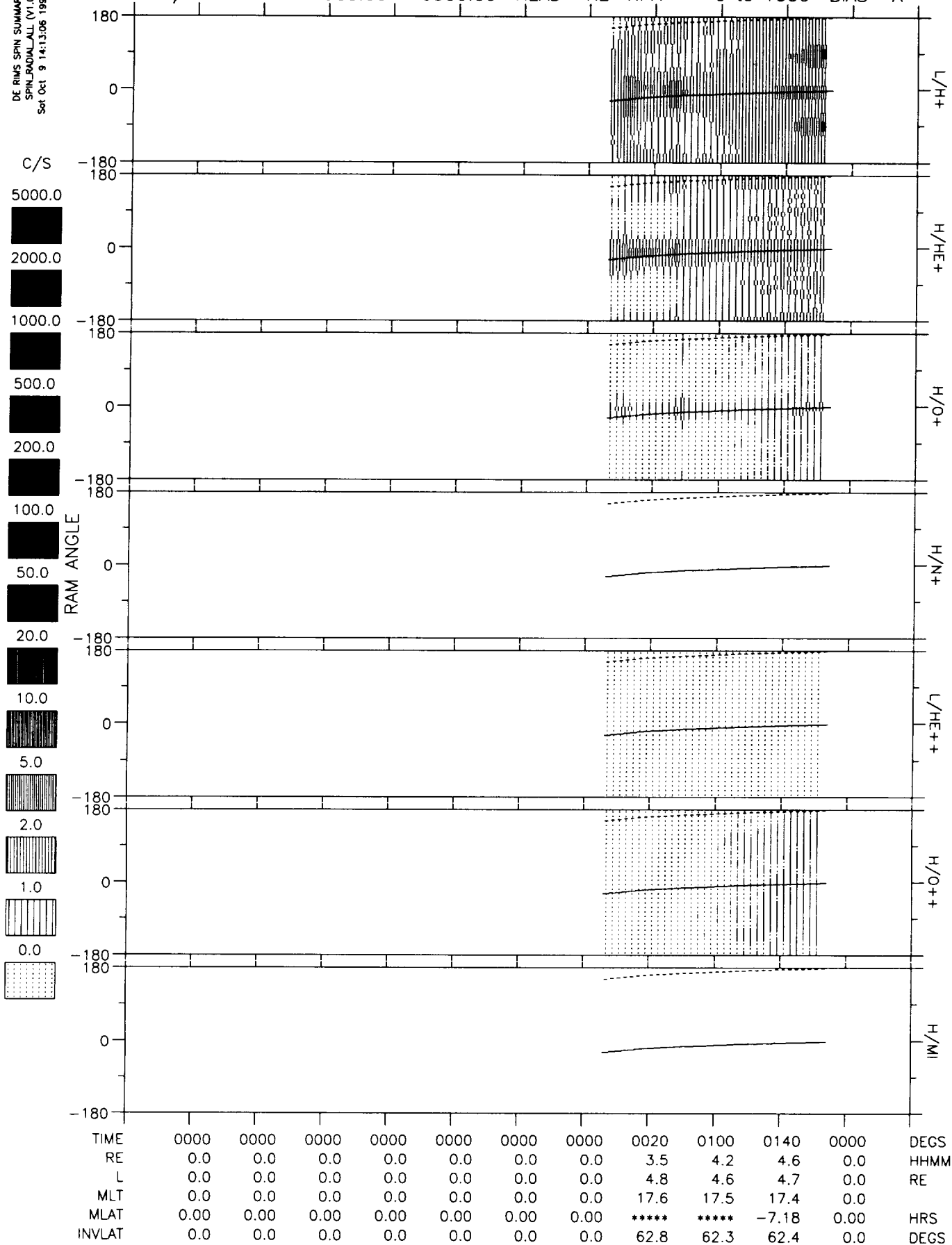
82/167 16-JUN 1200:00 - 2000:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	1240	1320	1400	1440	0000	0000	0000	0000	0000	0000	0000	DEGS
RE	4.7	4.5	4.1	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	HHMM
L	4.8	4.5	4.4	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	RE
MLT	16.7	16.9	17.1	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MLAT	*****	1.87	15.53	33.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	HRS
INVLAT	62.8	61.9	61.4	62.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DEGS

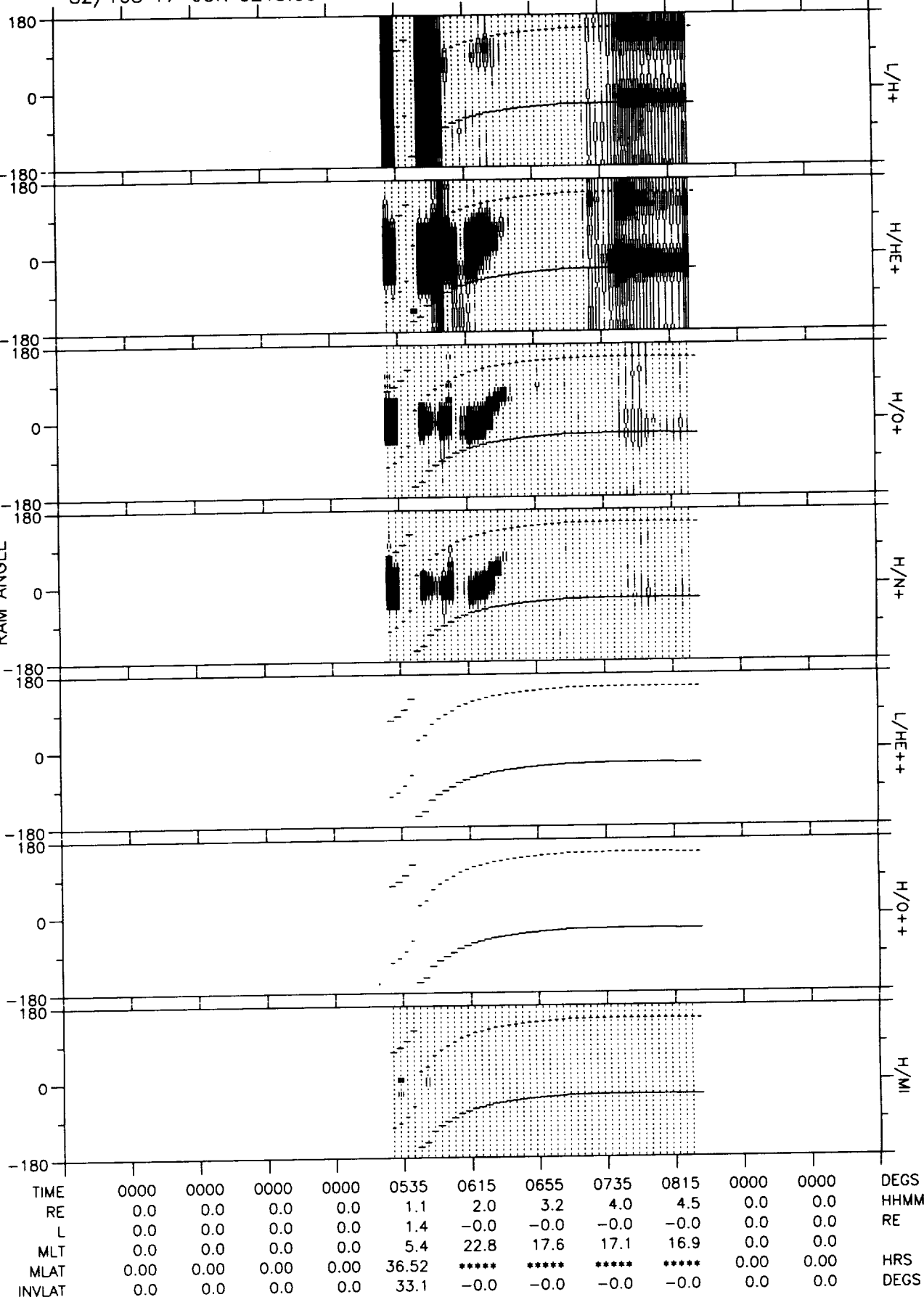
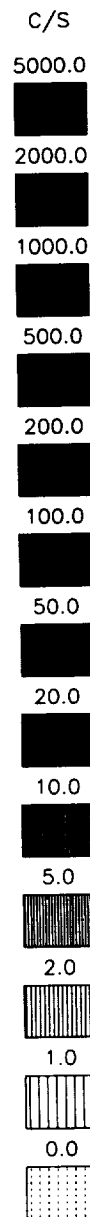
DE RIMS SPIN SUMMARY
SPIN/DOAL ALL (V1.0)
Set Oct 9 14:13:06 1993

82/167 16-JUN 1900:00 - 0300:00 HEAD= RL RPA= 0 to 1000 BIAS= A



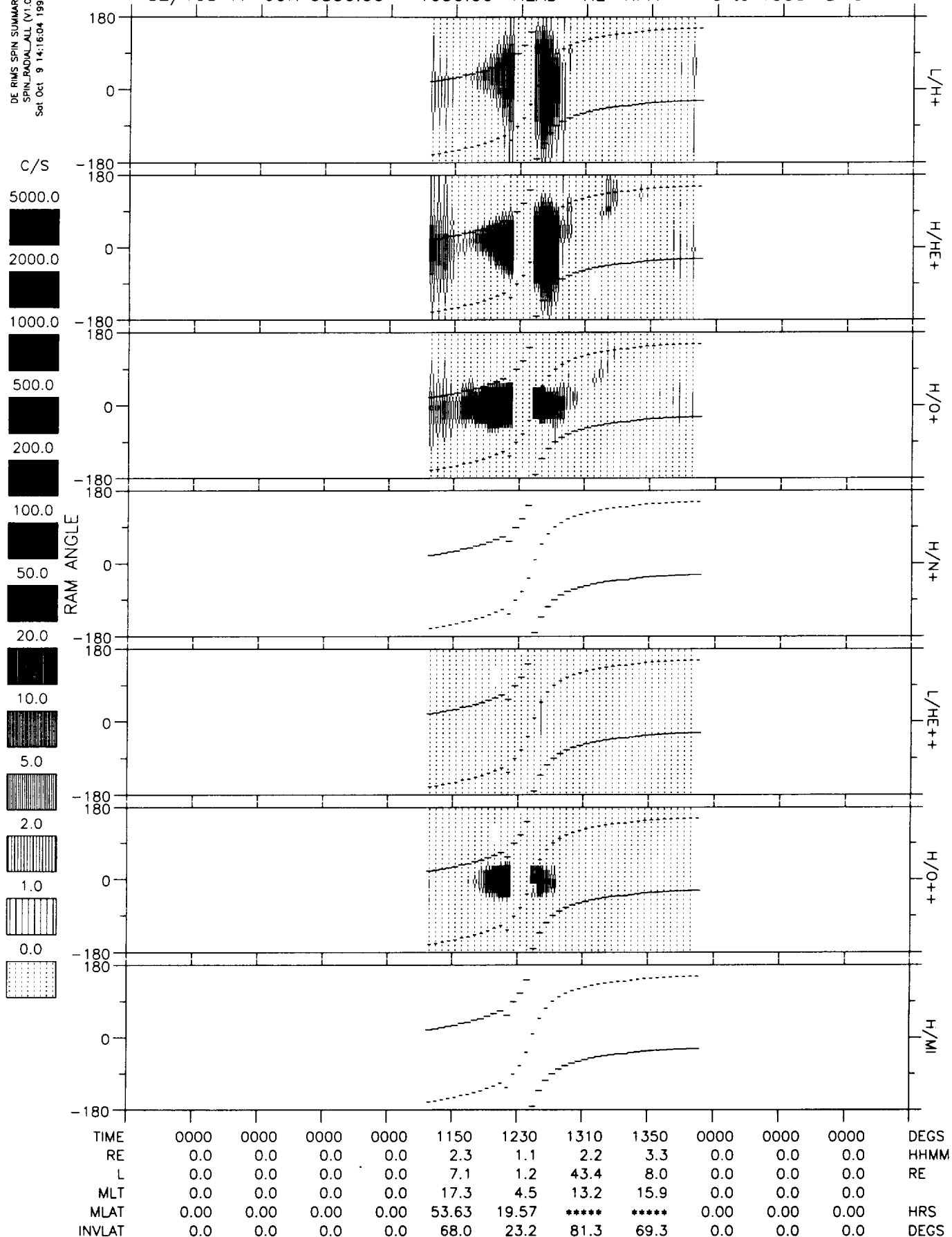
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Sat Oct 9 14:14:30 1993

82/168 17-JUN 0215:00 - 1015:00 HEAD= RL RPA= 0 to 1000 BIAS= A



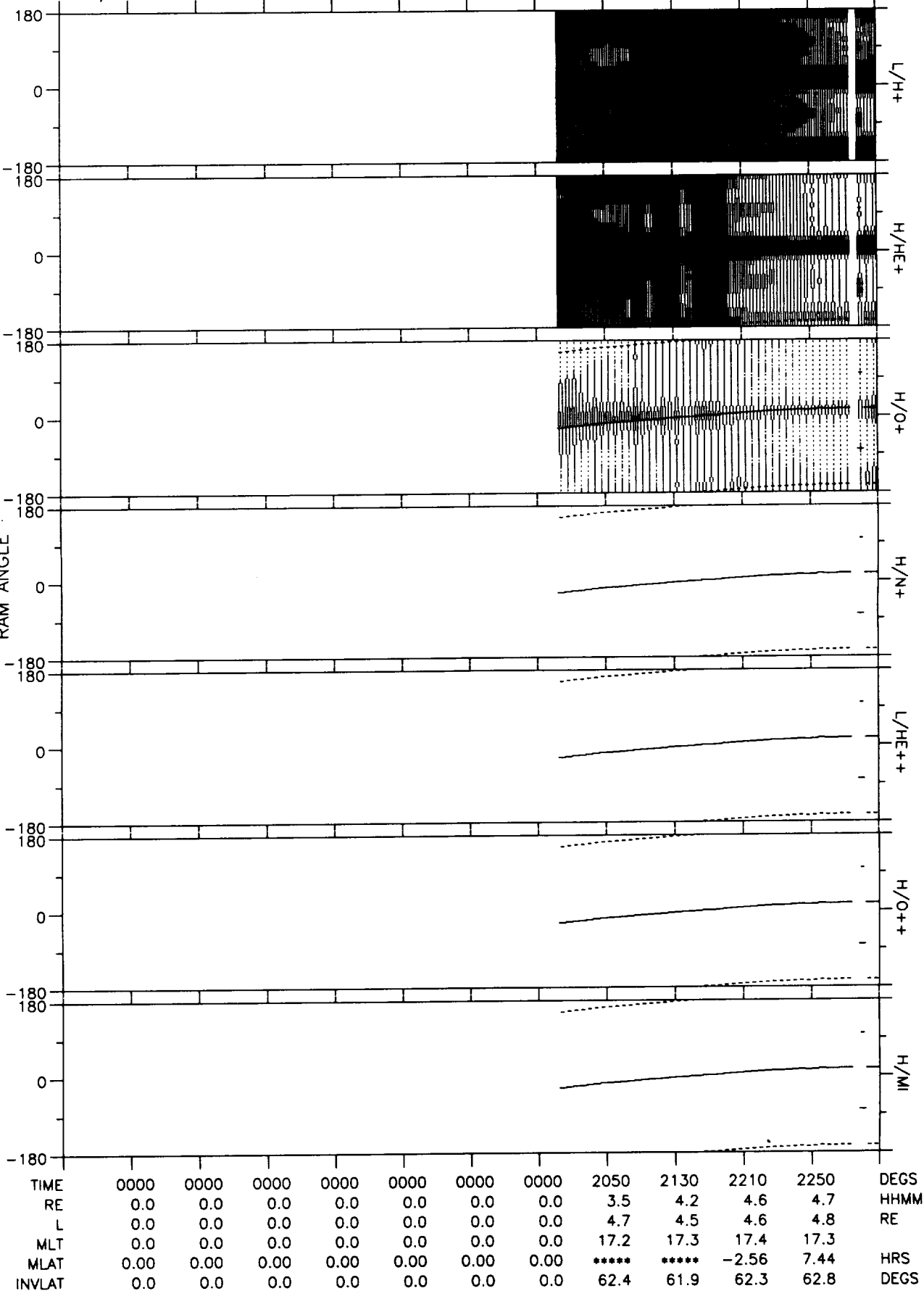
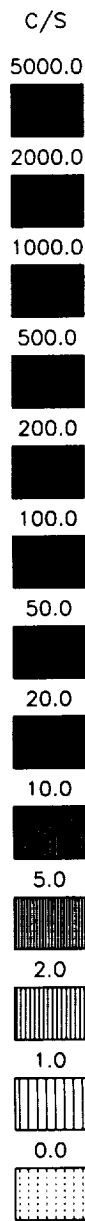
DE RIMS SPIN SUMMARY
SPIN-RADIAL-ALL (V1.0)
Sat Oct 9 14:16:04 1993

82/168 17-JUN 0830:00 - 1630:00 HEAD= RL RPA= 0 to 1000 BIAS= A



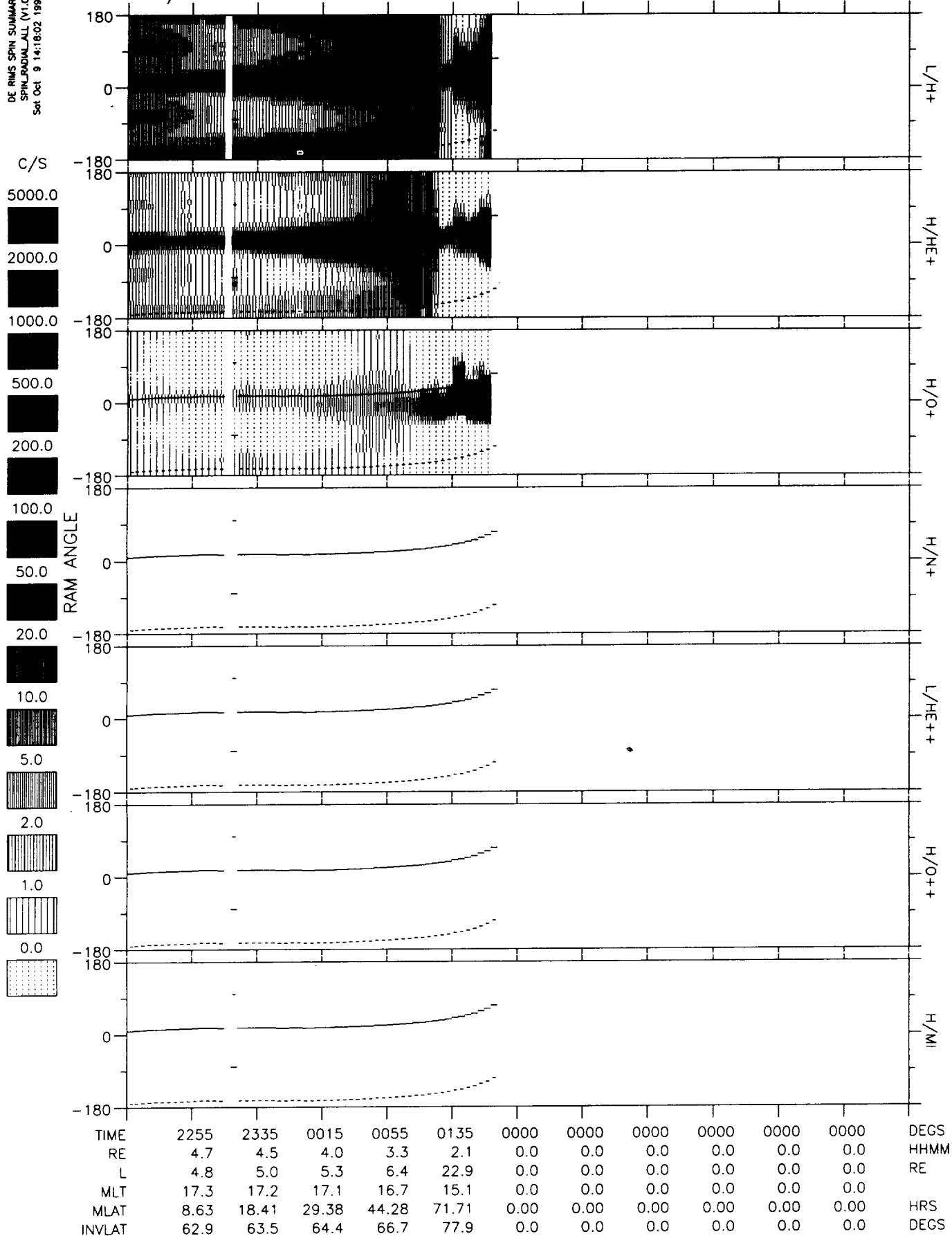
DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Sat Oct 9 14:17:30 1993

82/168 17-JUN 1530:00 - 2330:00 HEAD= RL RPA= 0 to 1000 BIAS= A



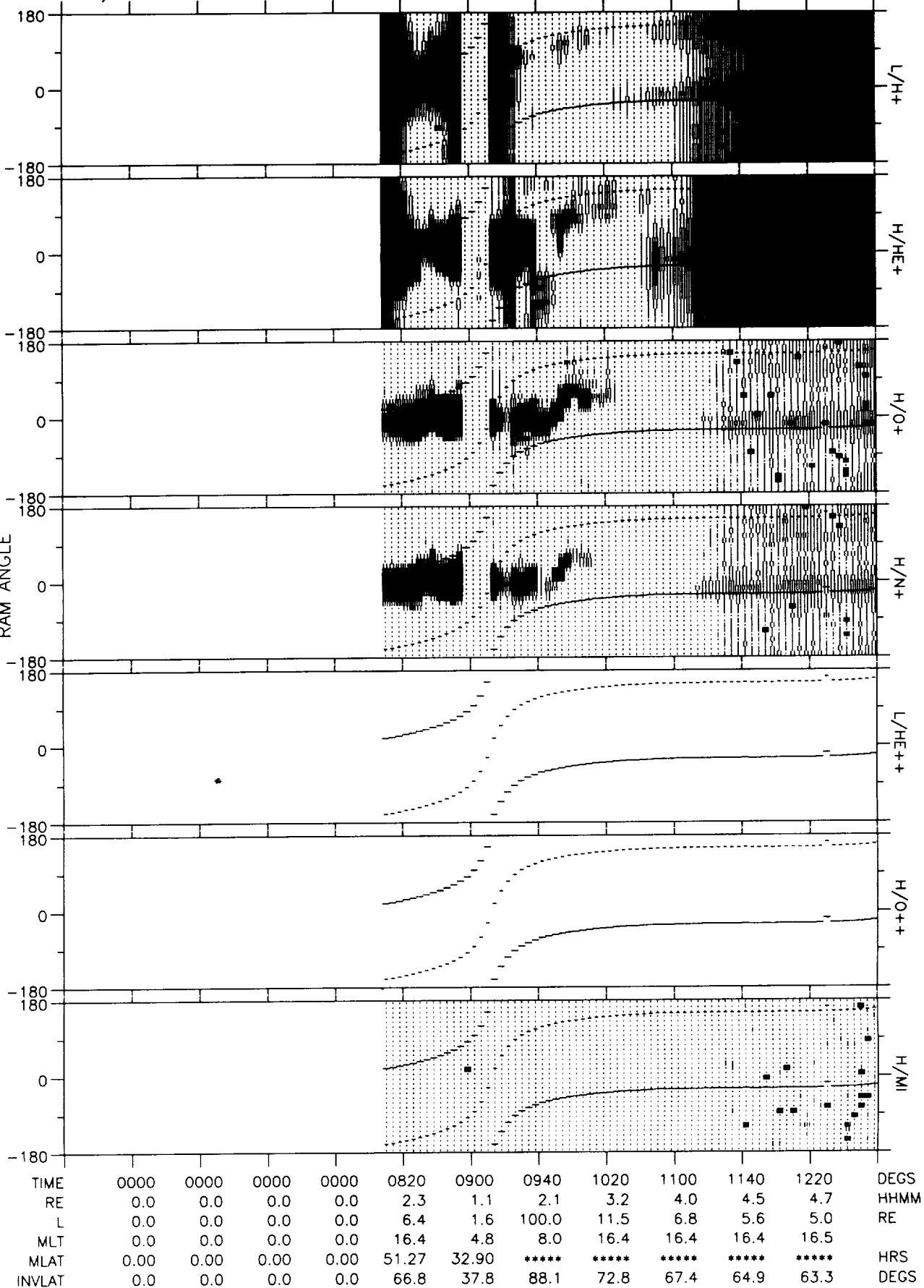
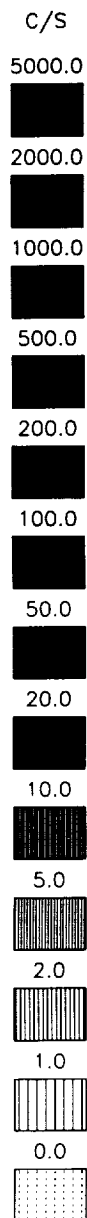
DE RIMS SPIN SUMMARY
SPINRADIALALL (V1.0)
Sat Oct 9 14:18:02 1993

82/168 17-JUN 2215:00 - 0615:00 HEAD= RL RPA= 0 to 1000 BIAS= A



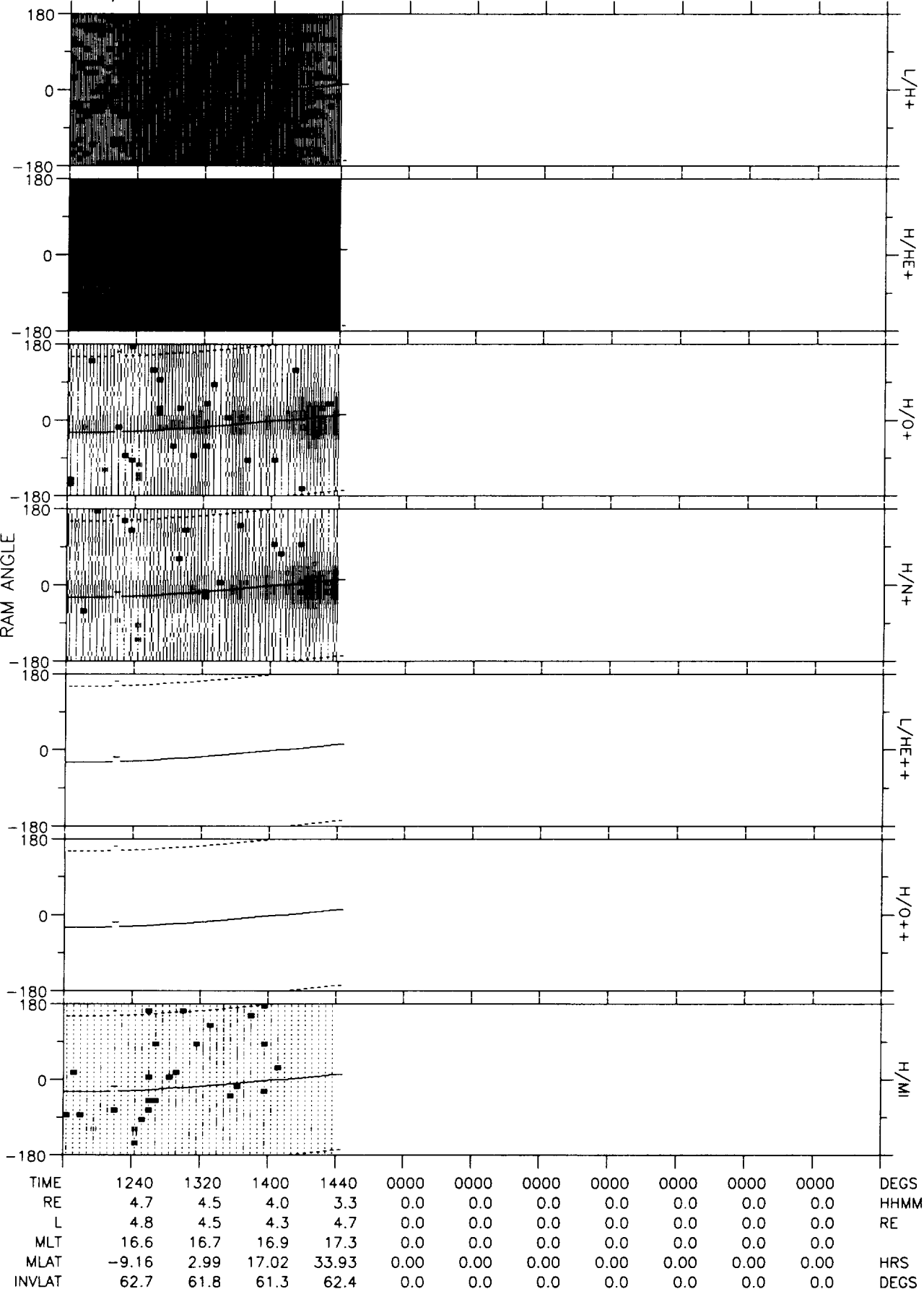
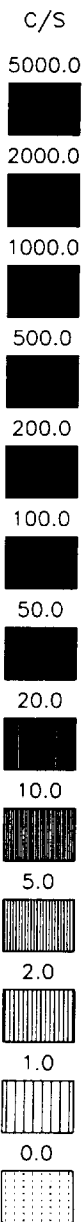
DE RMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Sat Oct 9 14:23:18 1993

82/169 18-JUN 0500:00 - 1300:00 HEAD= RL RPA= 0 to 1000 BIAS= A

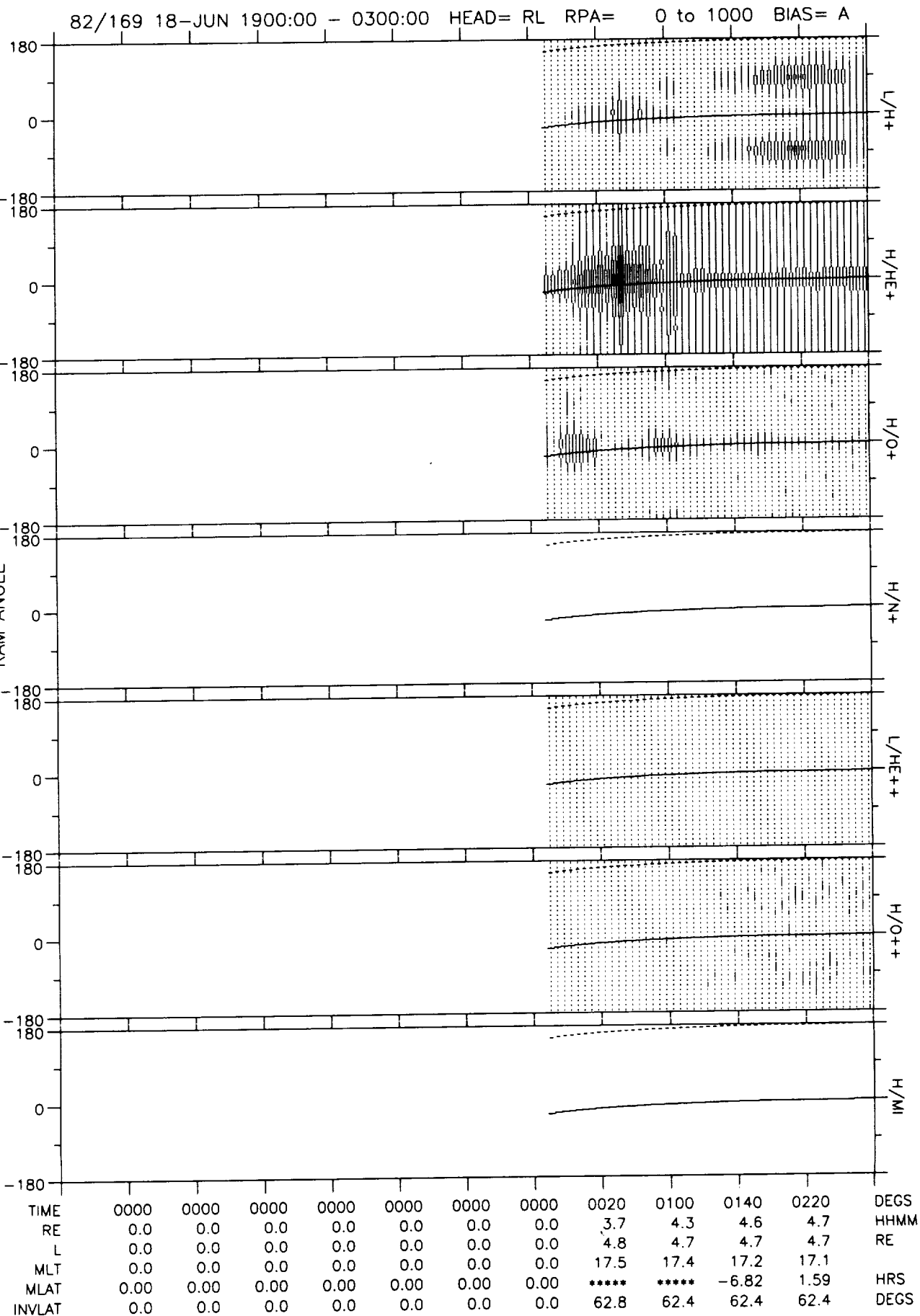
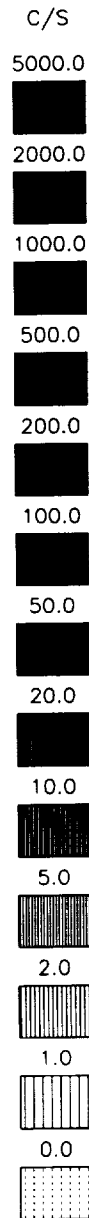


DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Sat Oct 9 14:30:09 1993

82/169 18-JUN 1200:00 - 2000:00 HEAD= RL RPA= 0 to 1000 BIAS= A

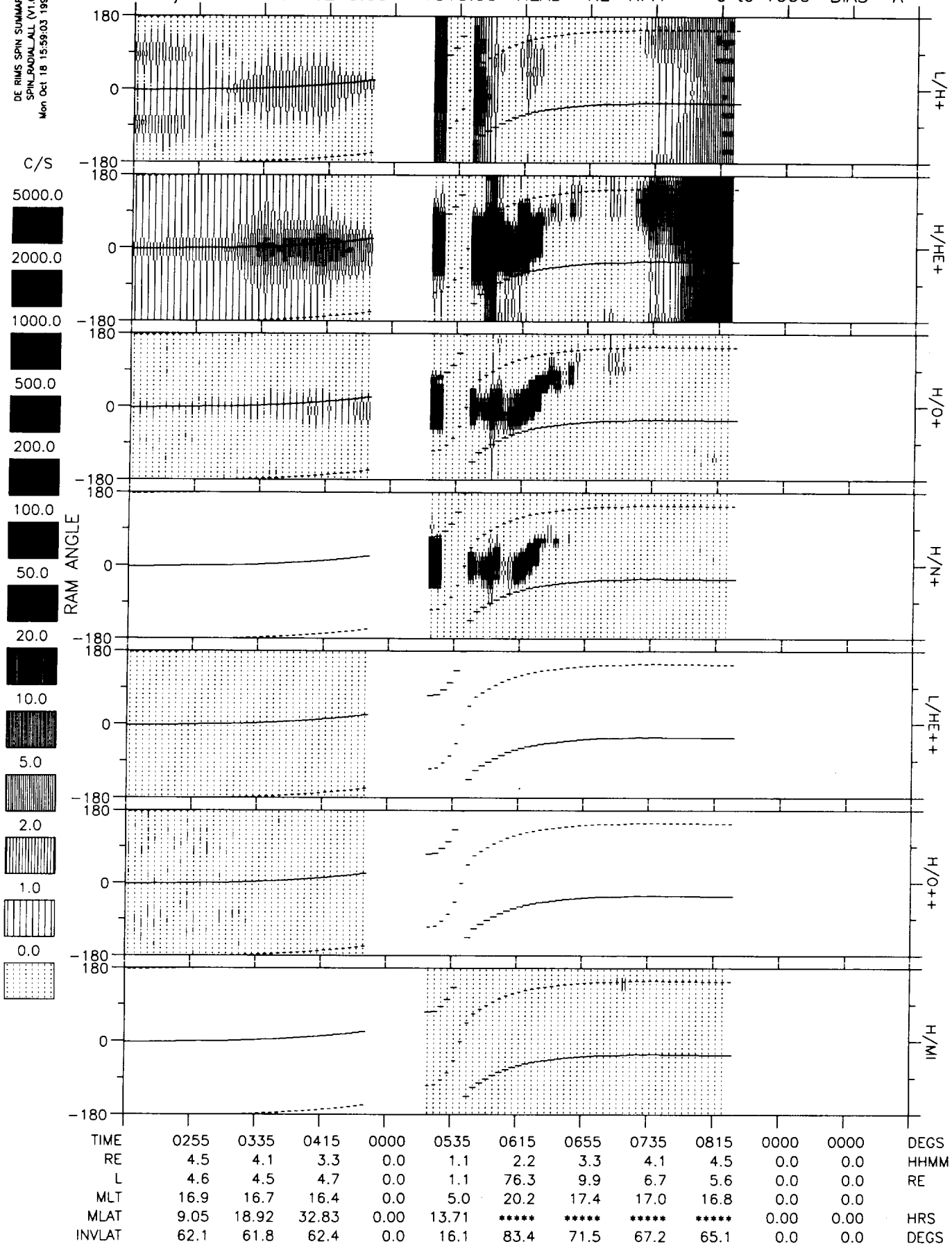


DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Sat Oct 9 14:36:11 1993



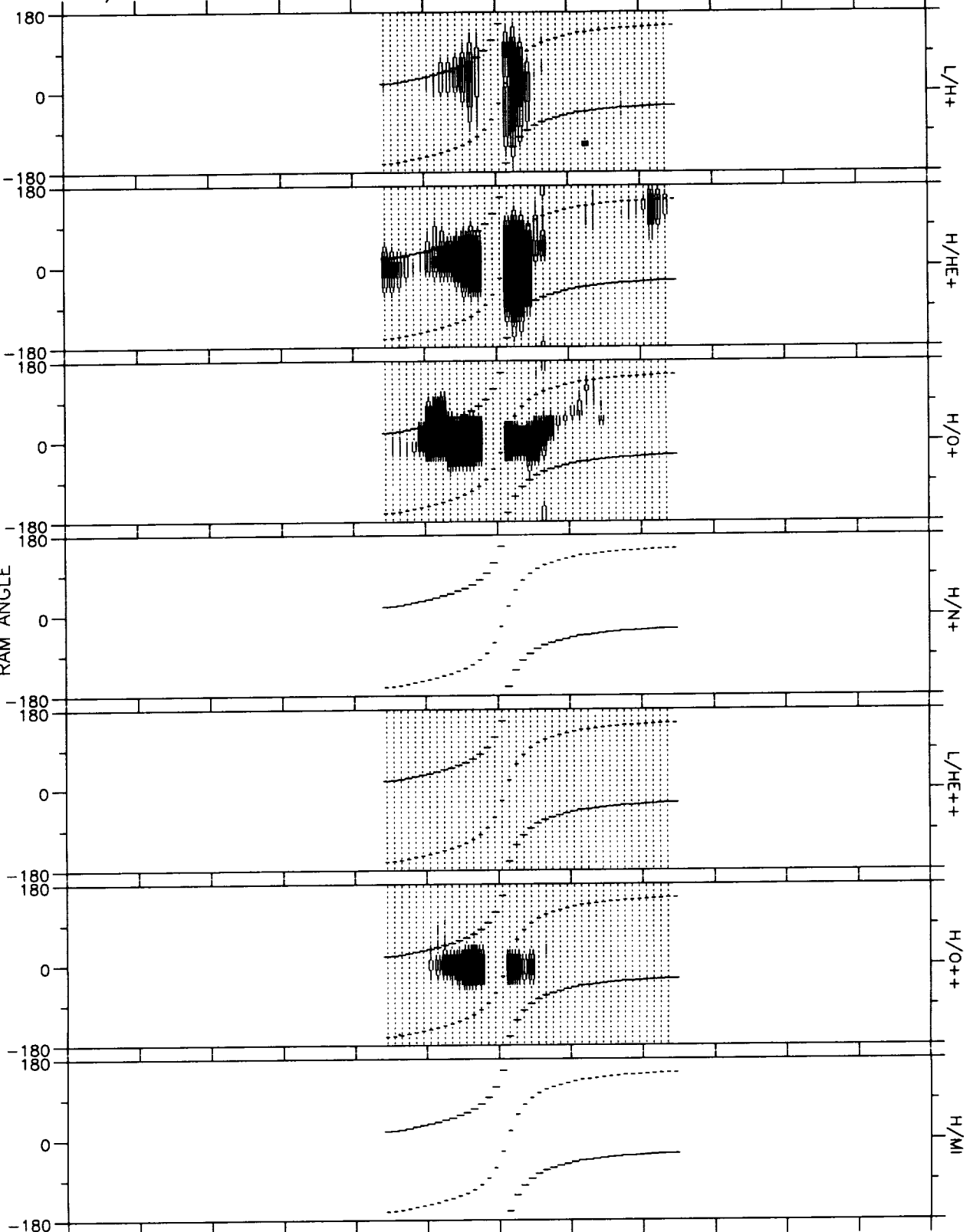
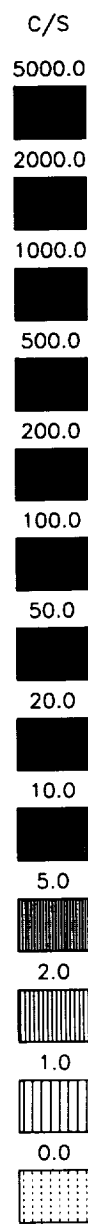
DE RIMS SPIN SUMMARY
SPIN/RADIAL ALL (V1.0)
Mon Oct 18 15:59:03 1993

82/170 19-JUN 0215:00 - 1015:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RUS SPIN SUMMARY
SPIN-BADALALL (V1.0)
Mon Oct 18 16:01:01 1993

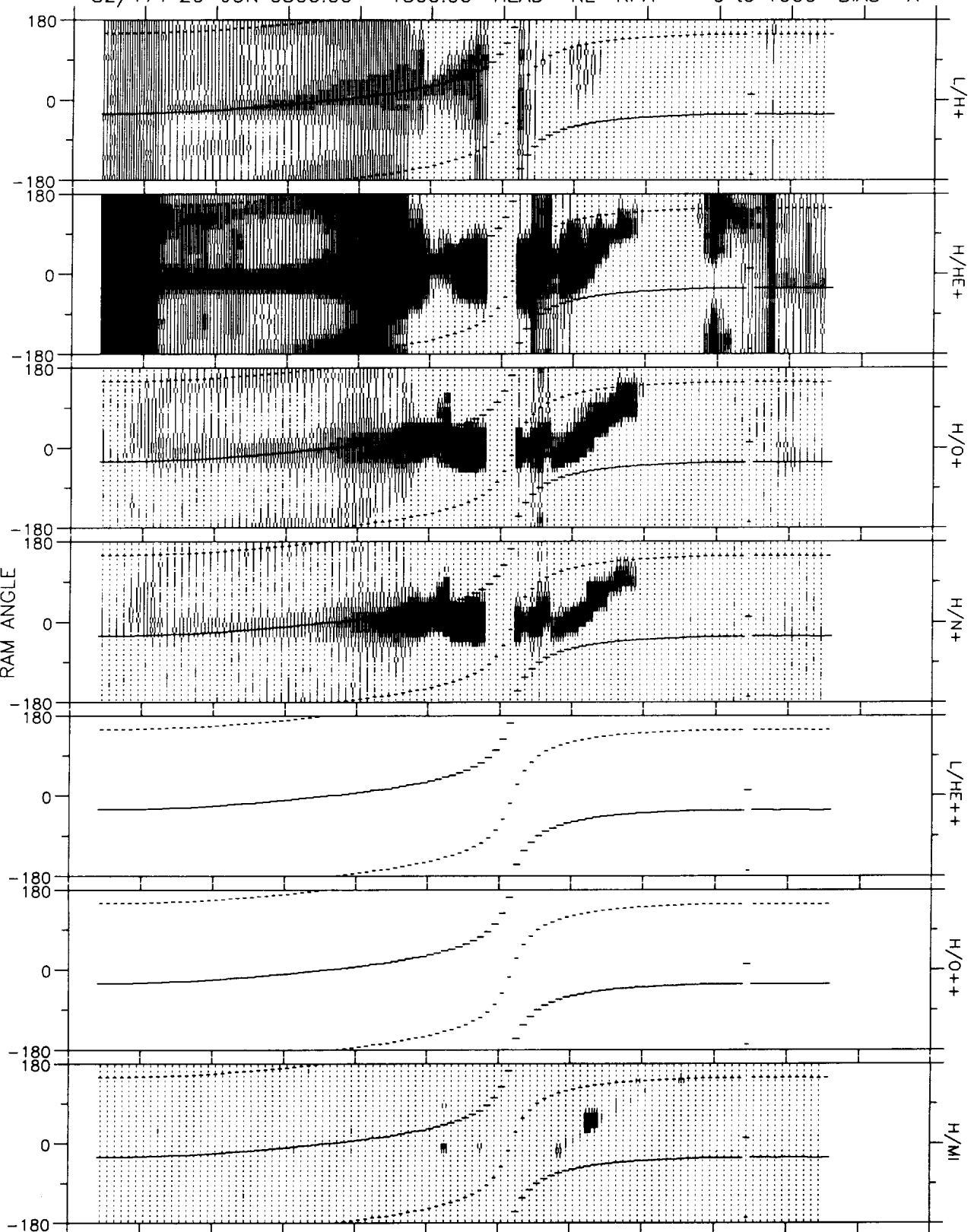
82/170 19-JUN 0830:00 - 1630:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0000	0000	0000	0000	1150	1230	1310	1350	0000	0000	0000	DEGS
RE	0.0	0.0	0.0	0.0	2.1	1.1	2.3	3.4	0.0	0.0	0.0	HHMM
L	0.0	0.0	0.0	0.0	9.5	1.1	33.1	7.6	0.0	0.0	0.0	RE
MLT	0.0	0.0	0.0	0.0	17.4	4.6	13.9	15.9	0.0	0.0	0.0	
MLAT	0.00	0.00	0.00	0.00	60.14	-4.77	*****	*****	0.00	0.00	0.00	HRS
INVLAT	0.0	0.0	0.0	0.0	71.1	18.0	80.0	68.8	0.0	0.0	0.0	DEGS

DE RMS SPIN SUMMARY
SPIN RADIAL ALL (Y1.0)
Mon Oct 18 16:03:37 1993

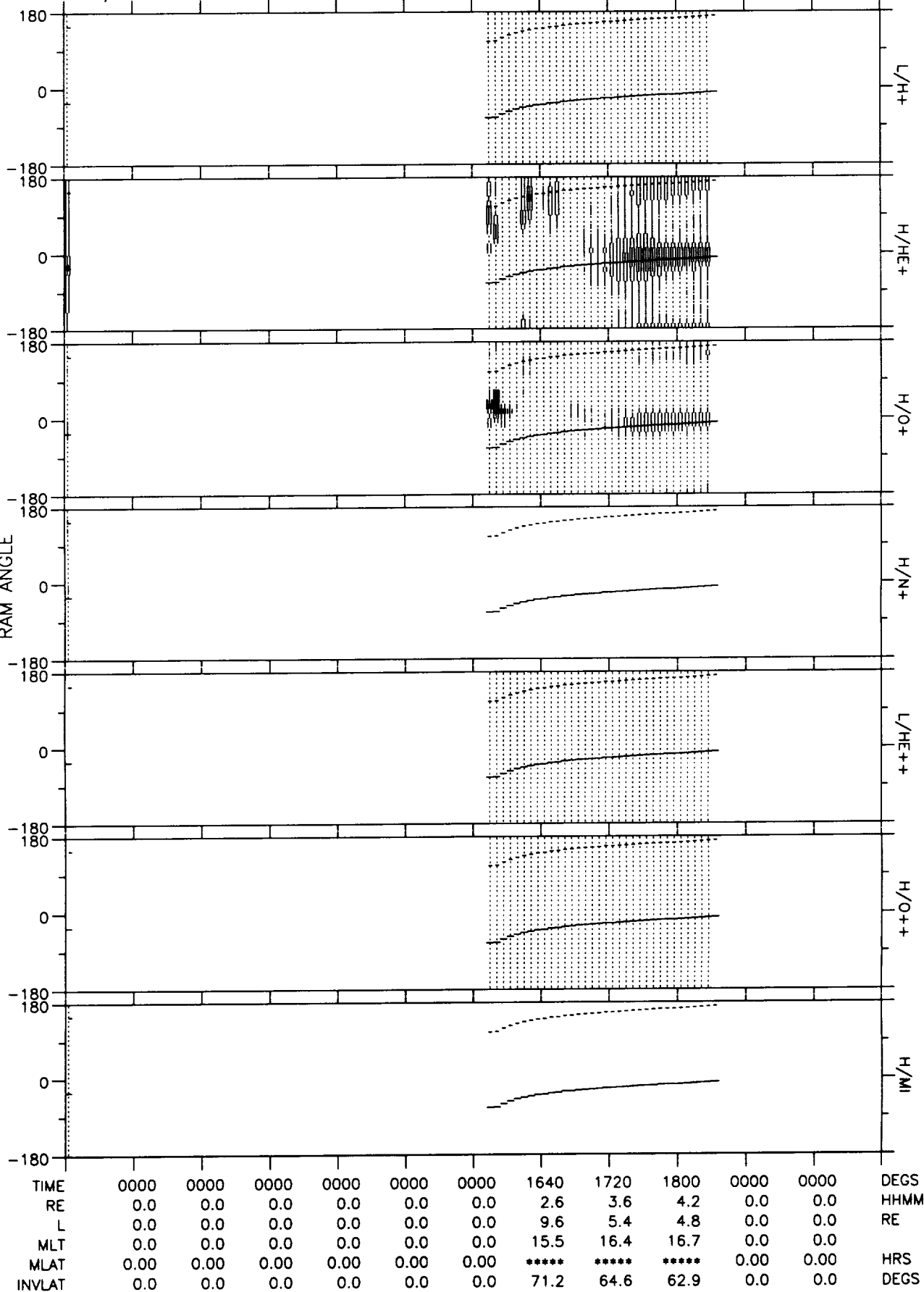
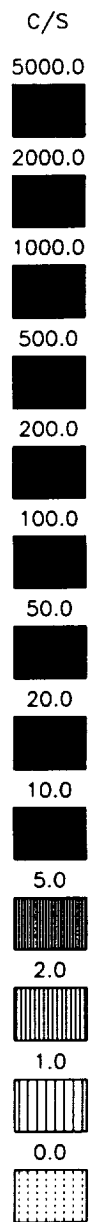
82/171 20-JUN 0500:00 - 1300:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0540	0620	0700	0740	0820	0900	0940	1020	1100	1140	0000	DEGS
RE	4.7	4.5	4.1	3.3	2.2	1.1	2.3	3.4	4.1	4.5	0.0	HHMM
L	4.8	4.4	4.1	4.1	7.8	1.2	100.0	10.6	6.7	5.5	0.0	RE
MLT	16.8	16.7	16.6	16.4	16.3	4.6	15.8	16.2	16.2	16.3	0.0	
MLAT	-9.22	-0.27	10.57	26.11	56.20	8.83	*****	*****	*****	*****	0.00	HRS
INVLAT	62.7	61.6	60.5	60.4	69.0	23.0	87.2	72.1	67.2	64.8	0.0	DEGS

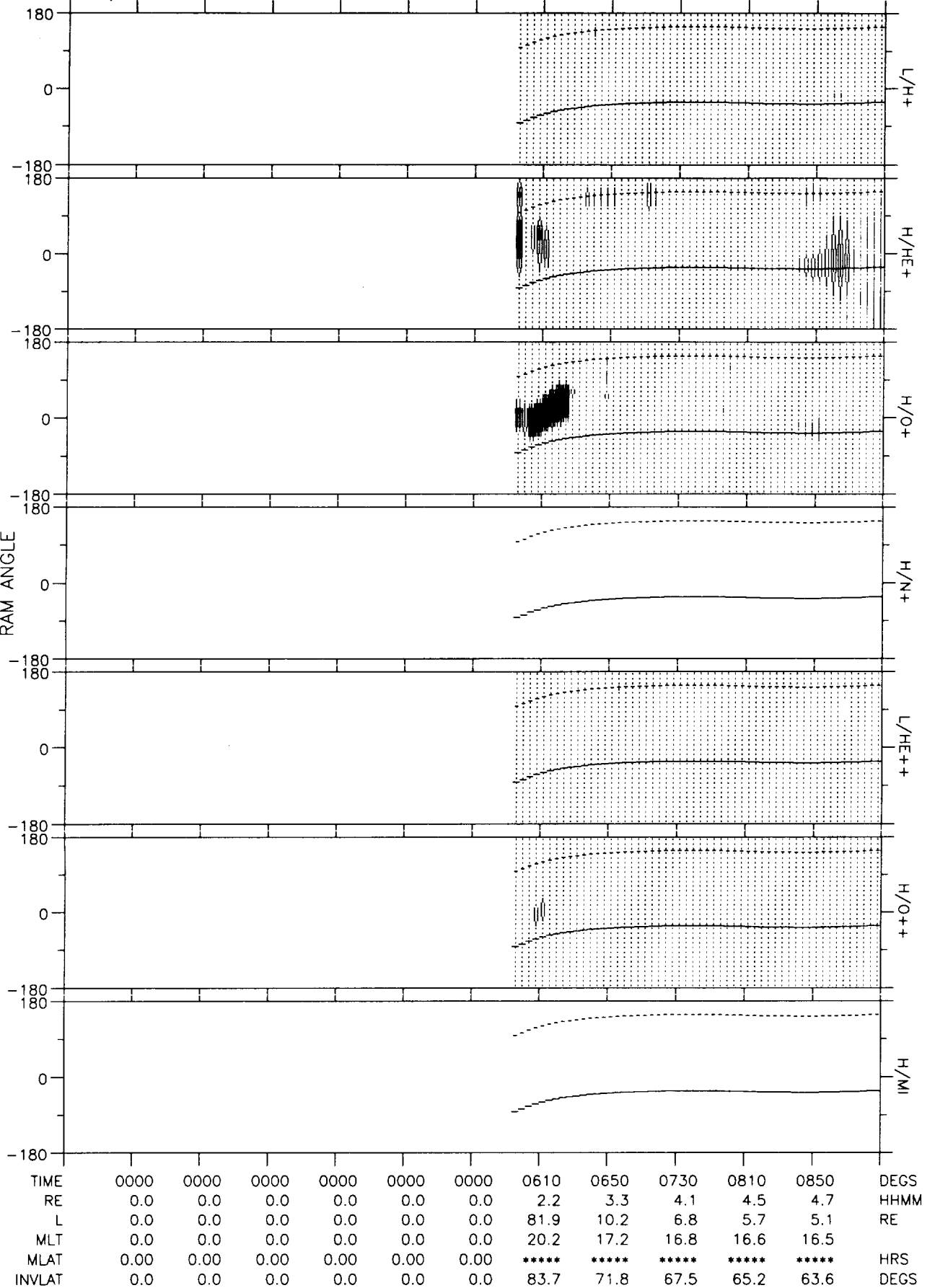
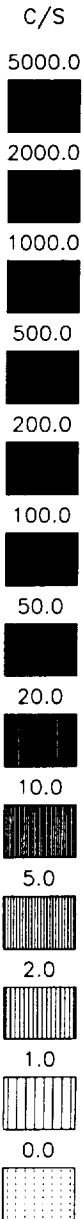
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Mon Oct 18 16:06:05 1993

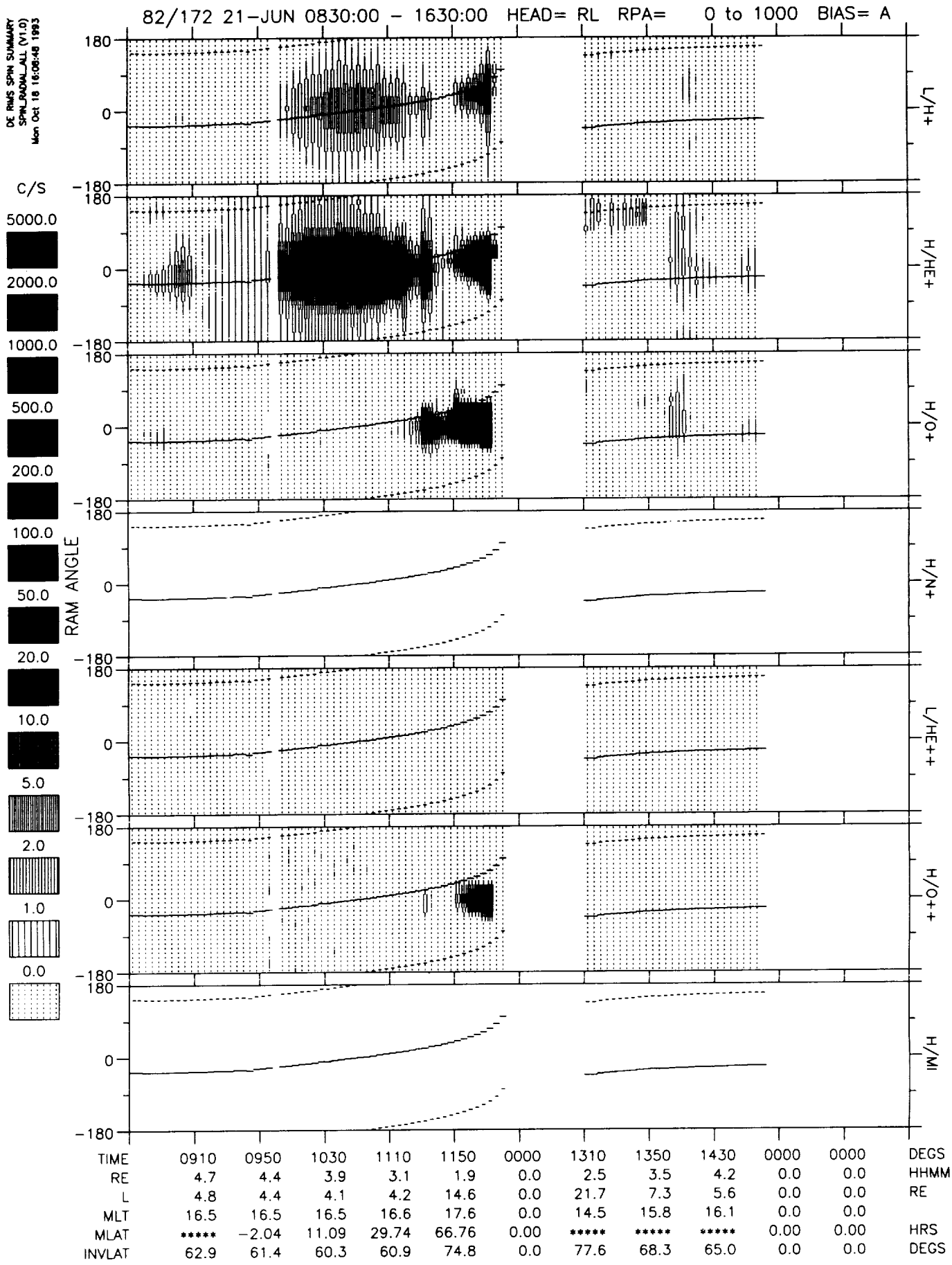
82/171 20-JUN 1200:00 - 2000:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN/RADIAL ALL (V1.0)
Mon Oct 18 16:07:21 1993

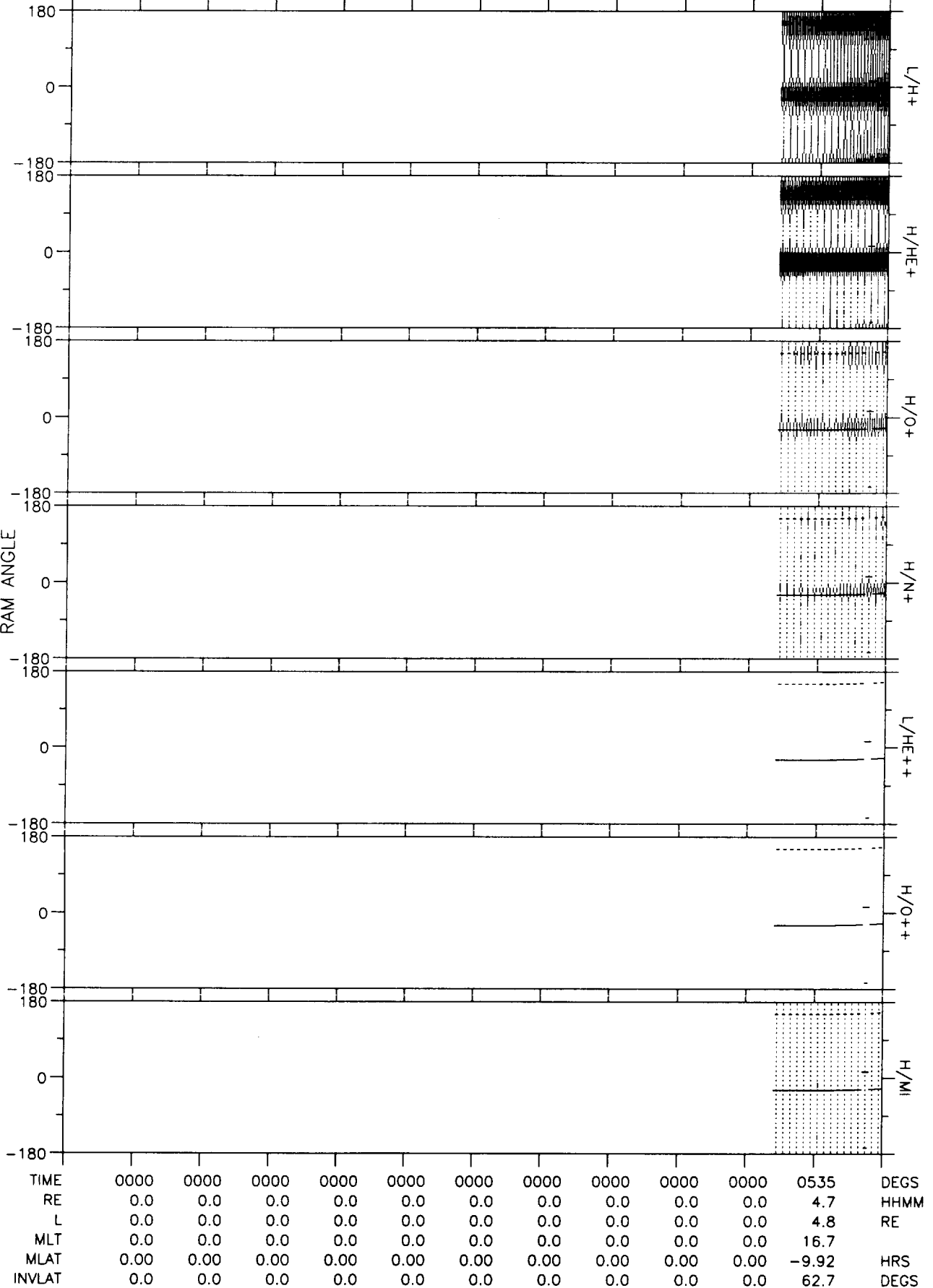
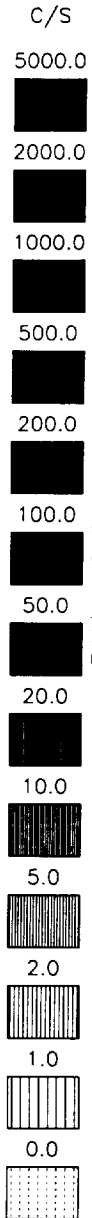
82/172 21-JUN 0130:00 - 0930:00 HEAD= RL RPA= 0 to 1000 BIAS= A





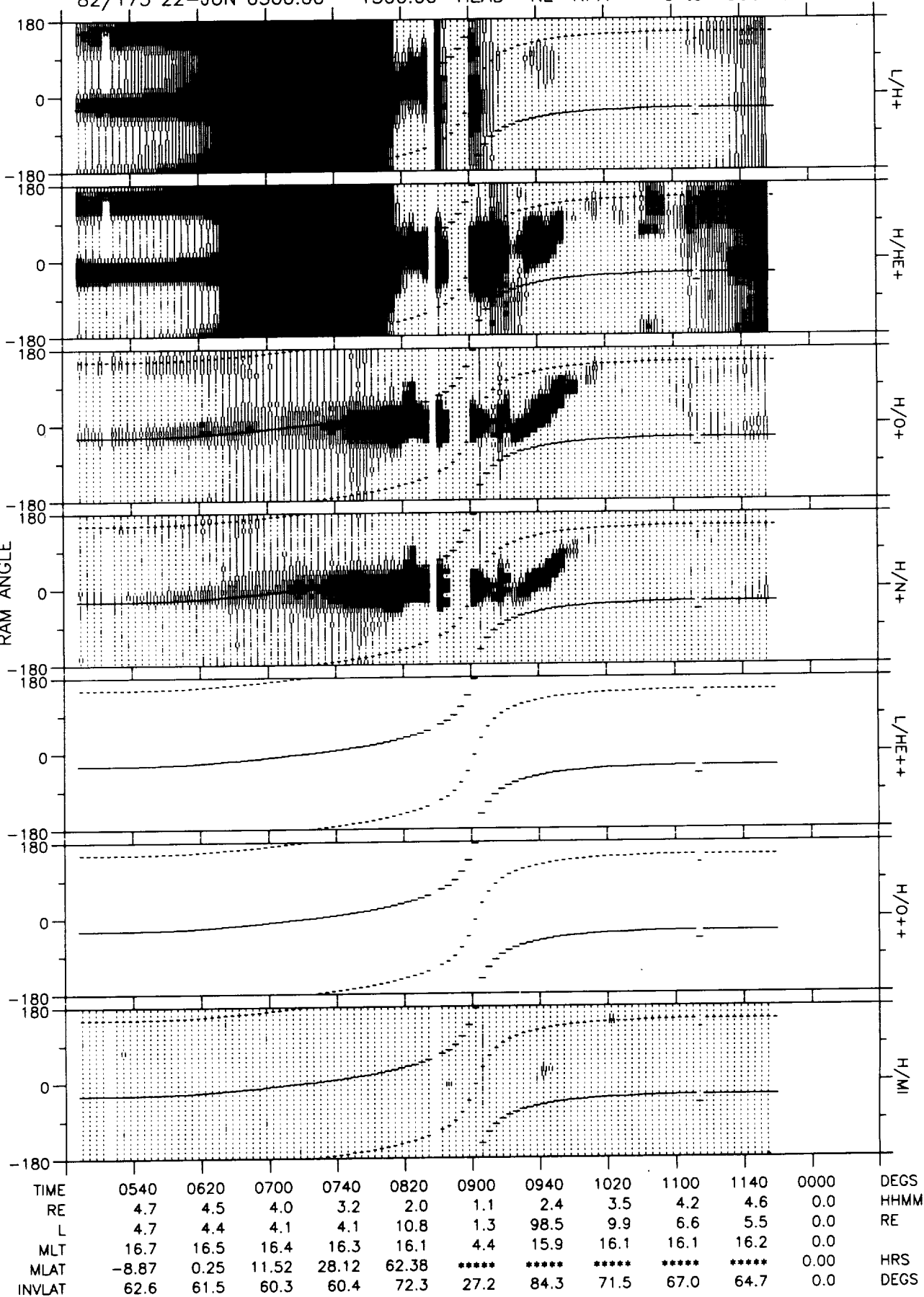
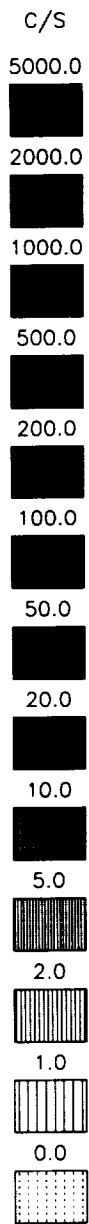
DE RIMS SPIN SUMMARY
SPIN/RADIALALL (V1.0)
Mon Oct 18 16:10:37 1993

82/172 21-JUN 2215:00 - 0615:00 HEAD= RL RPA= 0 to 1000 BIAS= A



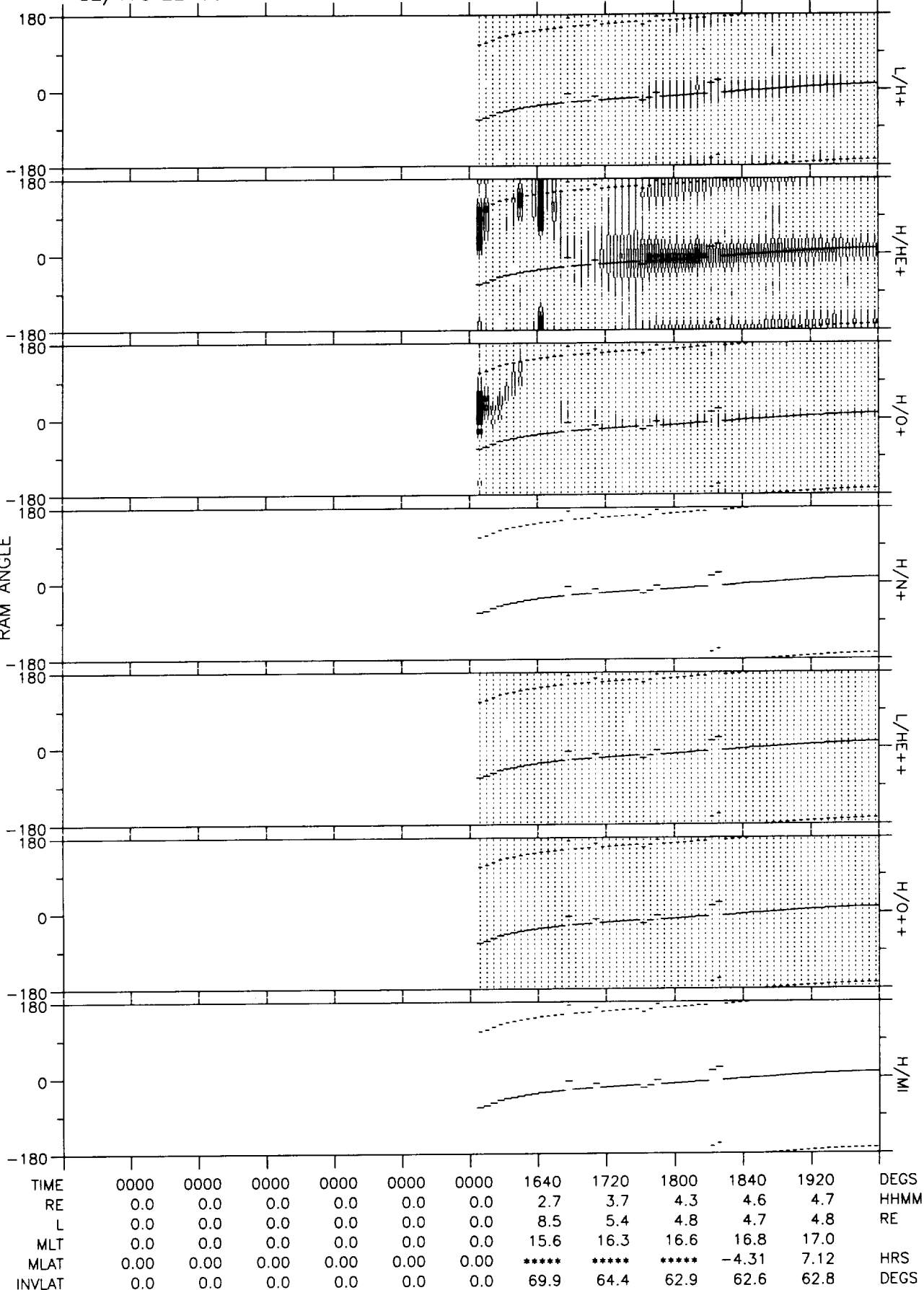
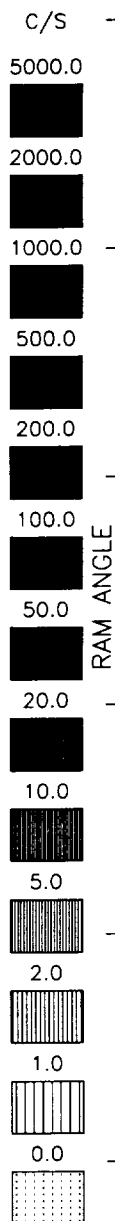
DE RIMS SPIN SUMMARY
SPINRADIAL (V1.0)
Mon Oct 18 16:11:49 1993

82/173 22-JUN 0500:00 - 1300:00 HEAD= RL RPA= 0 to 1000 BIAS= A



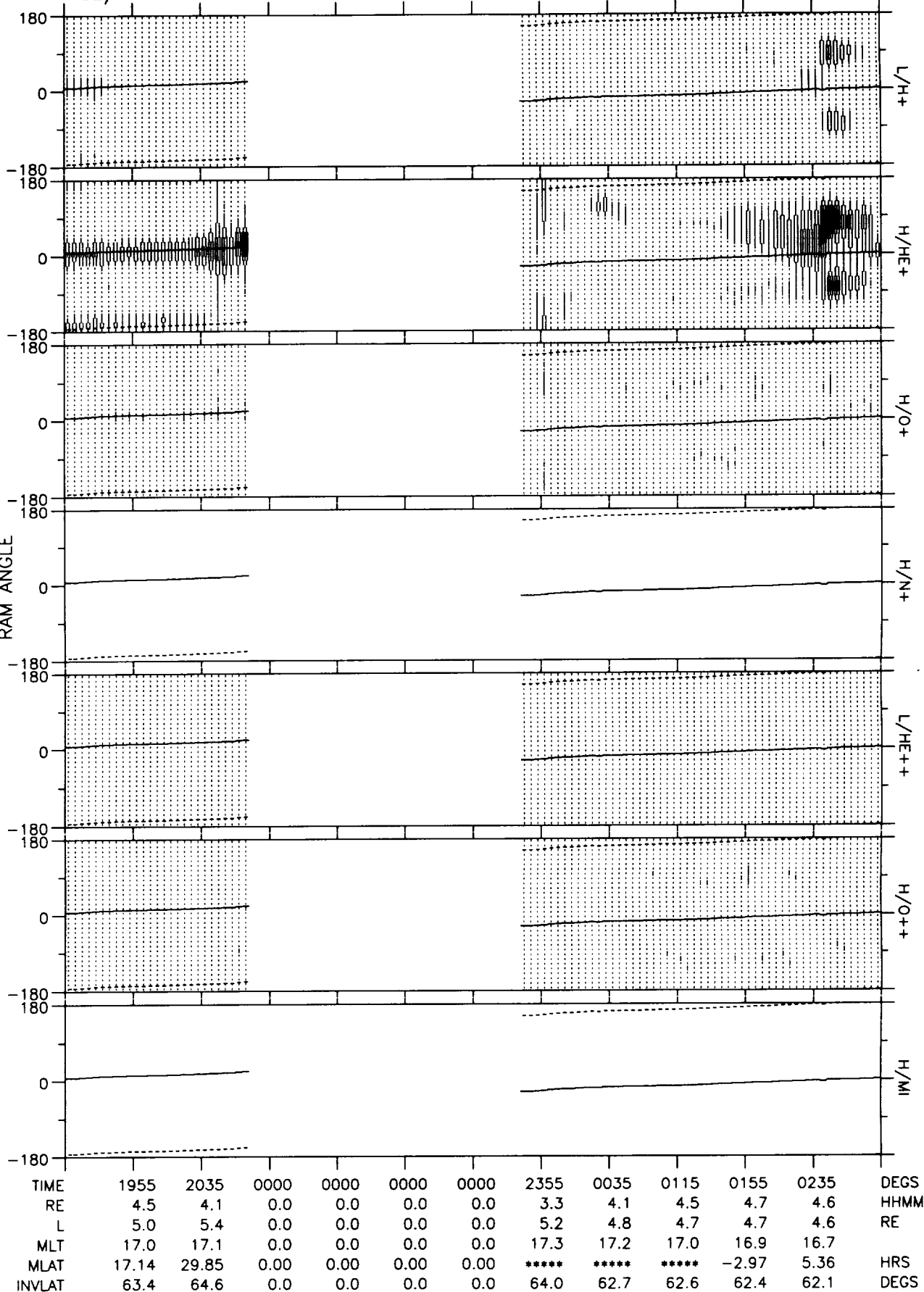
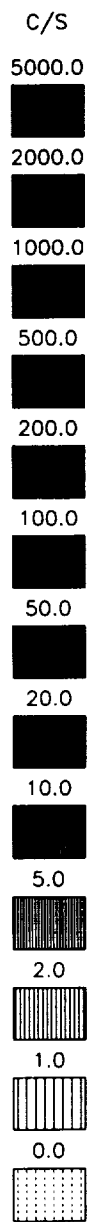
DE RIMS SPIN SUMMARY
SPINRADIALALL (V1.0)
Mon Oct 18 16:14:29 1993

82/173 22-JUN 1200:00 - 2000:00 HEAD= RL RPA= 0 to 1000 BIAS= A



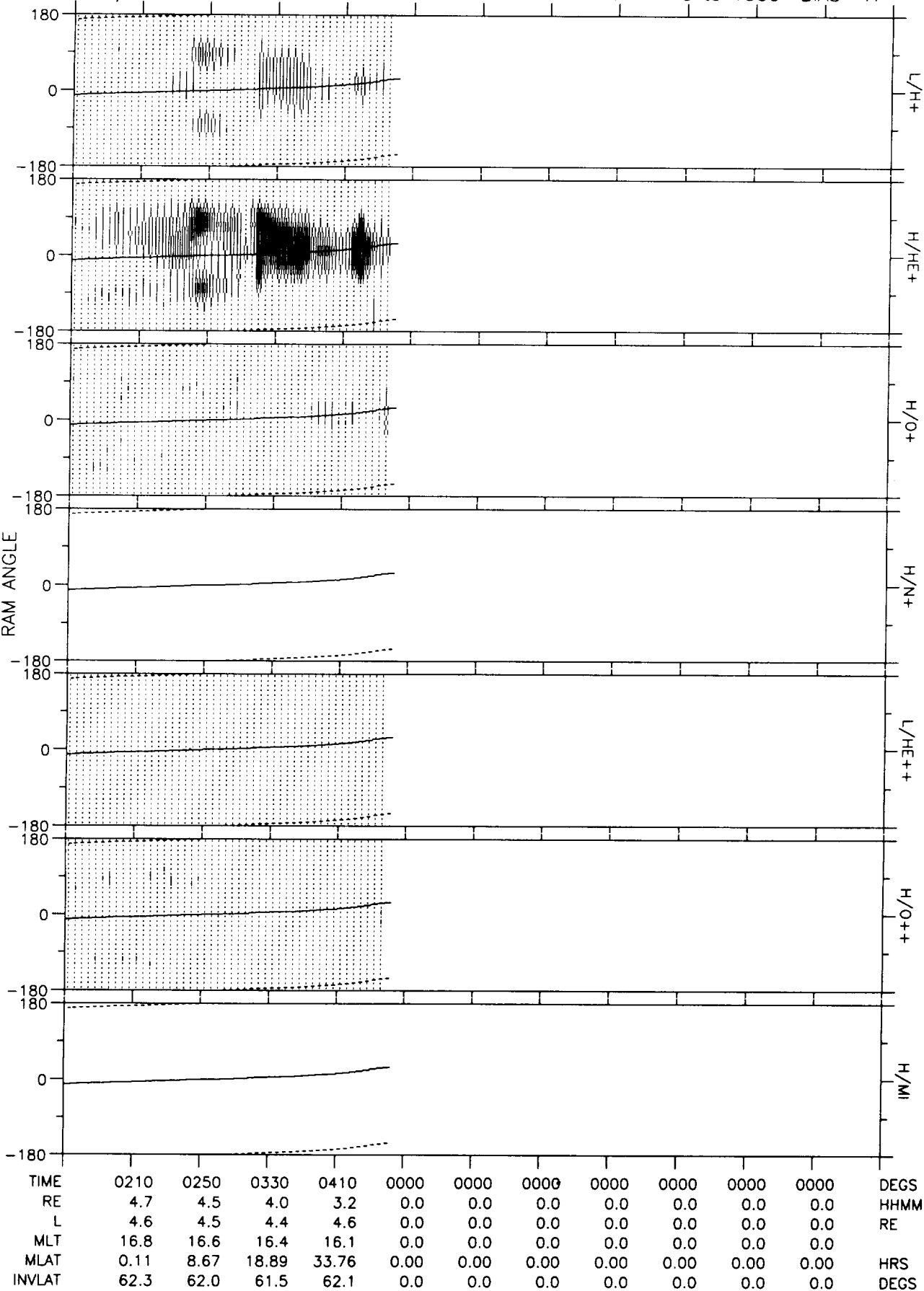
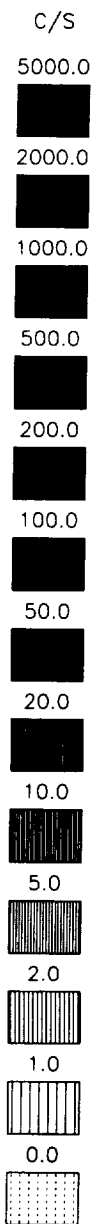
DE BUS SPIN SUMMARY
SPIN-BUS-ALL (V1.0)
Mon Oct 18 16:16:00 1993

82/173 22-JUN 1915:00 - 0315:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Mon Oct 18 16:17:42 1993

82/174 23-JUN 0130:00 - 0930:00 HEAD= RL RPA= 0 to 1000 BIAS= A



c/s

5000.0

2000.0

1000.0

500.0

200.0

100.0

50.0

20.0

10.0

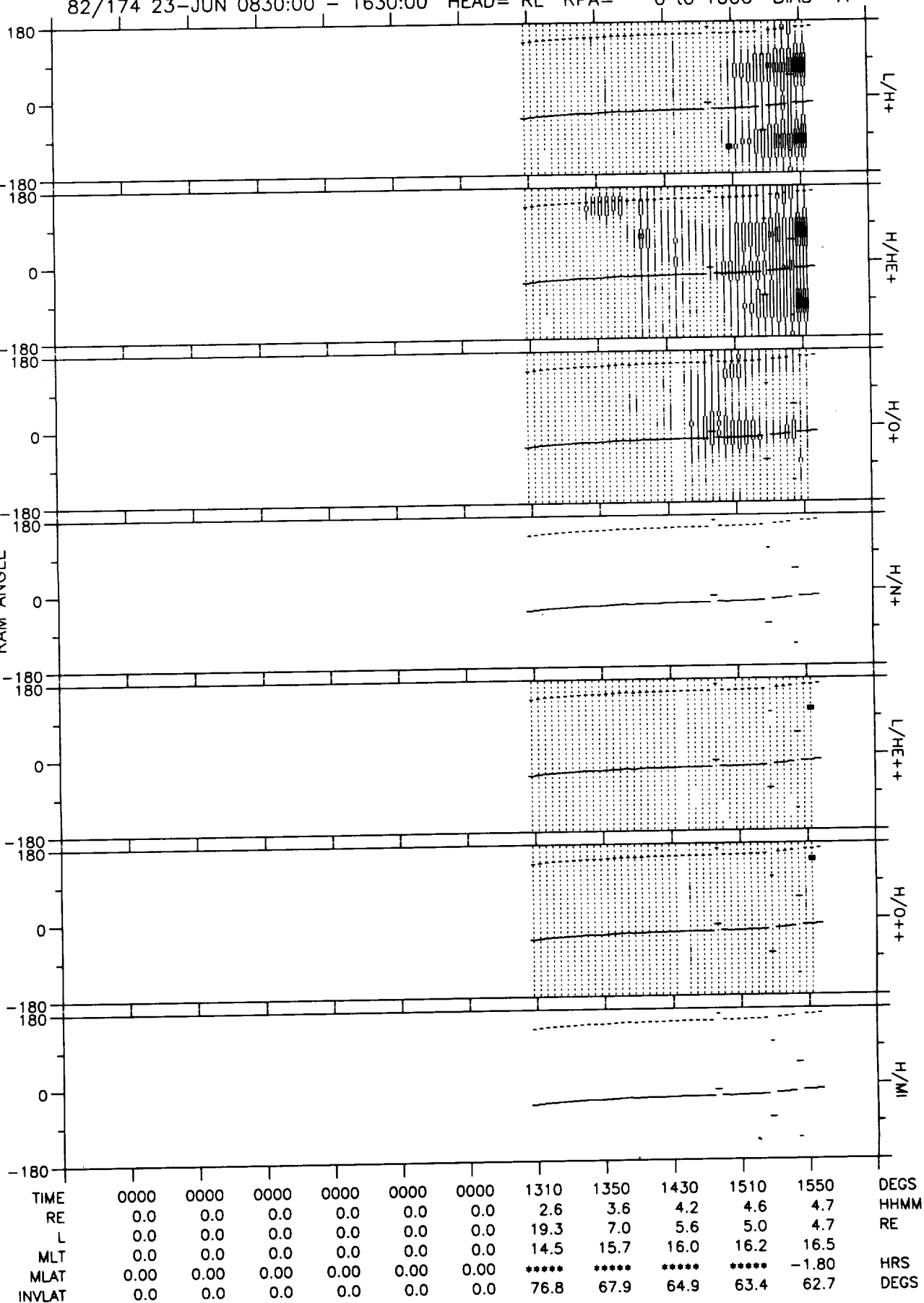
5.0

2.0

1.0

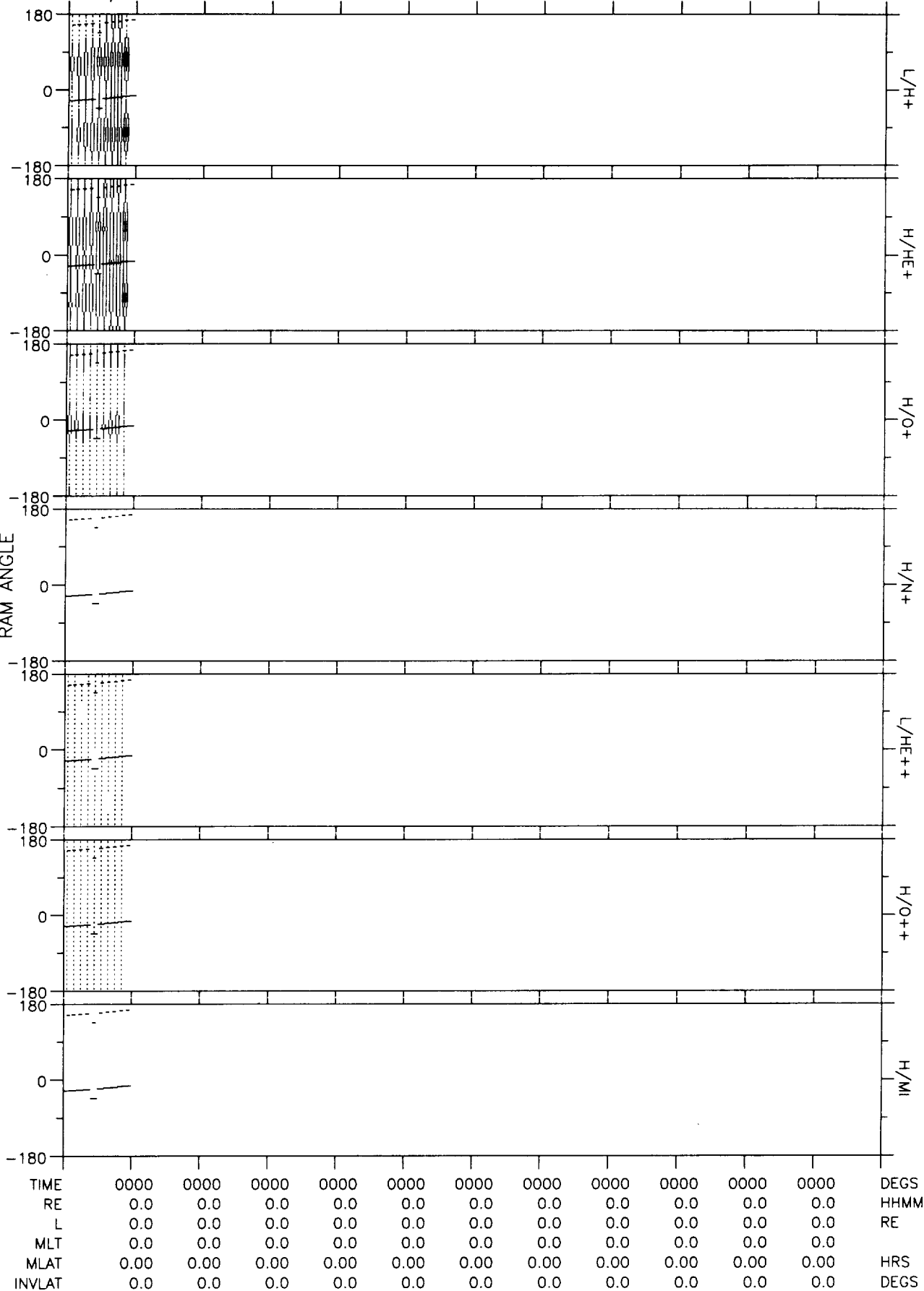
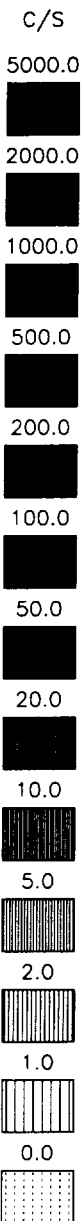
0.0

82/174 23-JUN 0830:00 - 1630:00 HEAD= RL RPA= 0 to 1000 BIAS= A



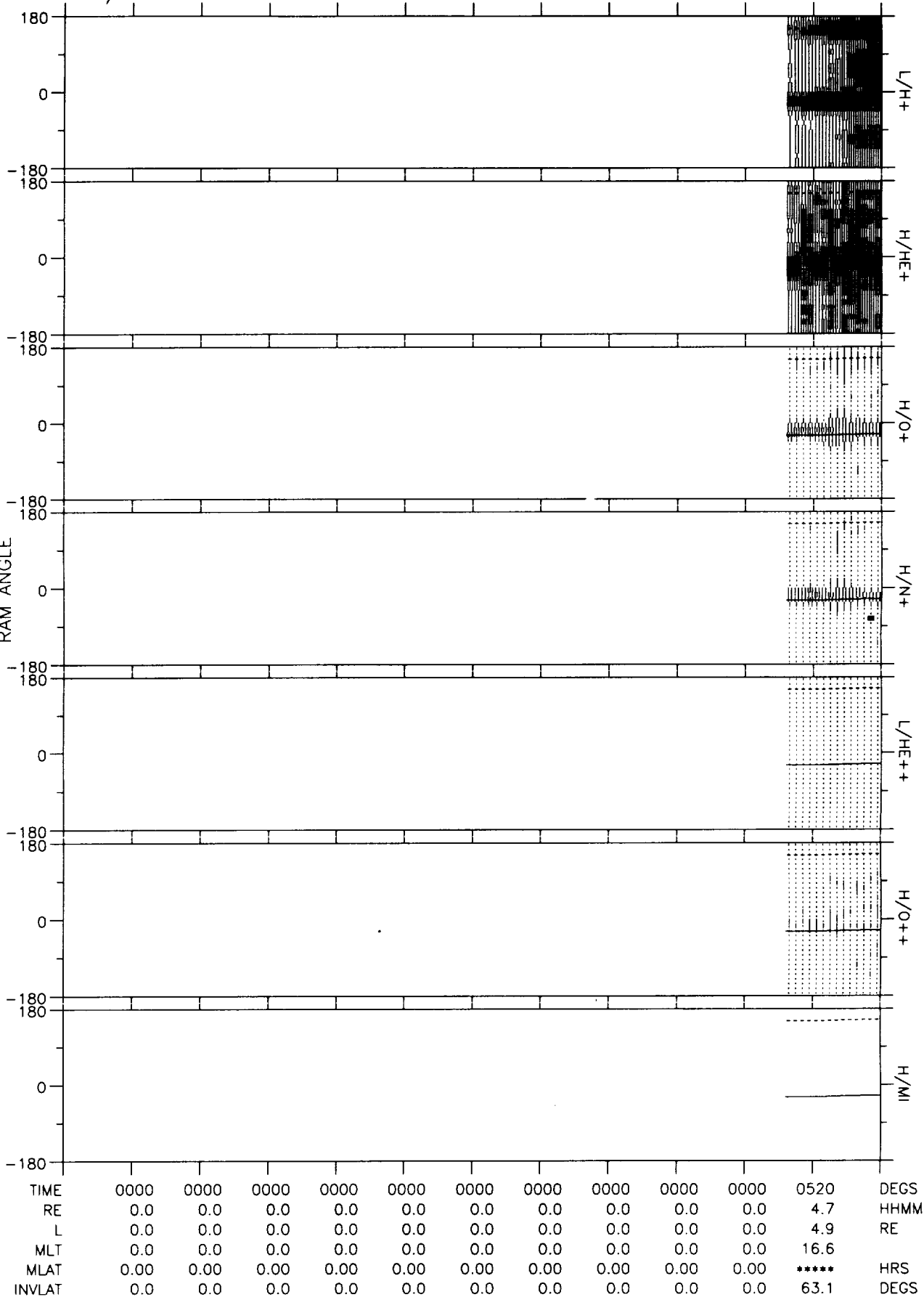
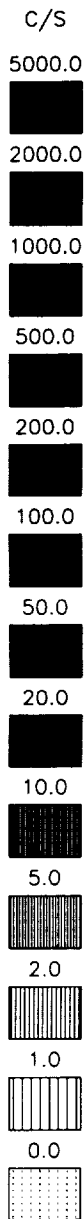
DE RMS SPIN SUMMARY
SPIN/RADIAL ALL (V1.0)
Mon Oct 18 16:20:29 1993

82/174 23-JUN 1515:00 - 2315:00 HEAD= RL RPA= 0 to 1000 BIAS= A



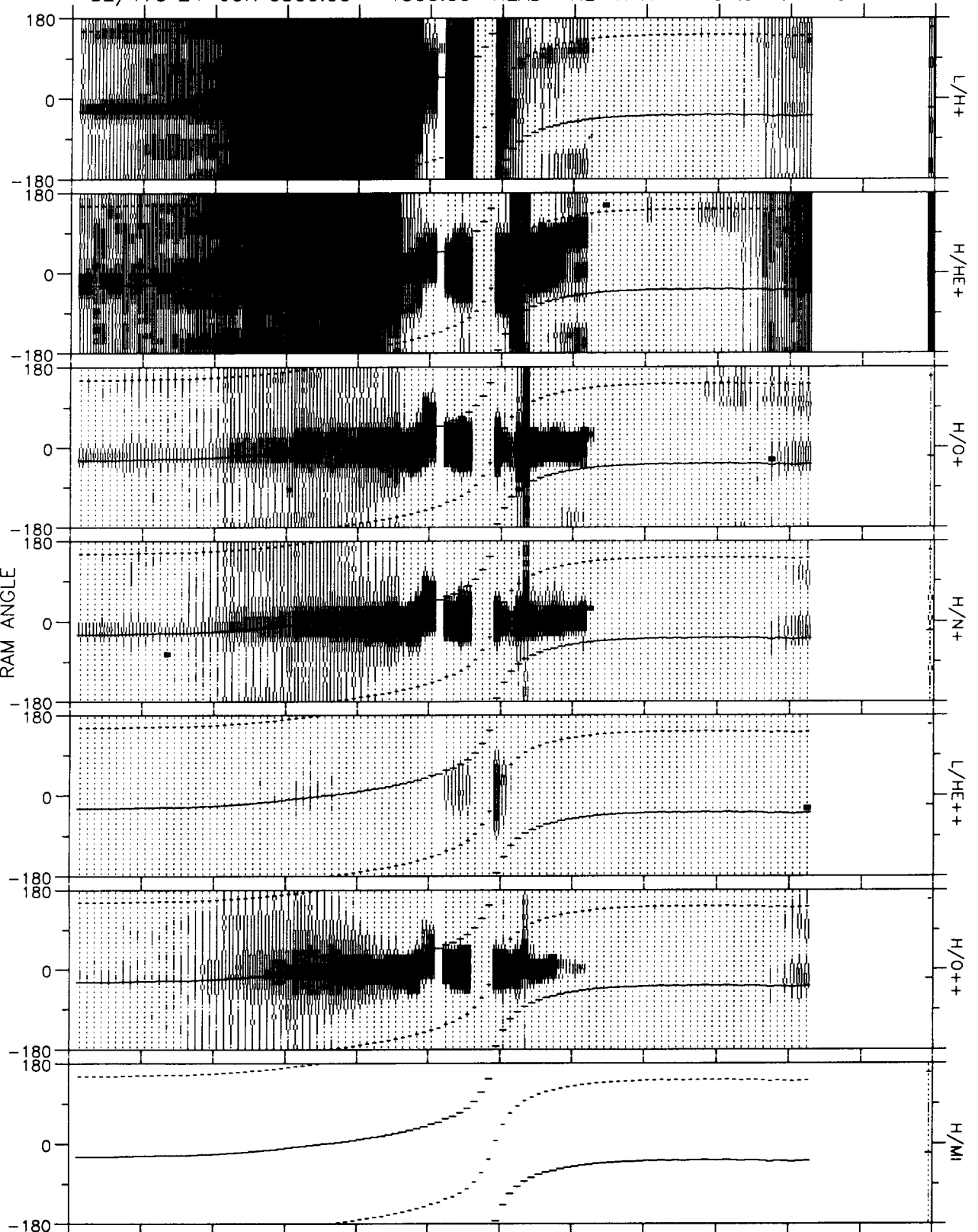
DE RIMS SPIN SUMMARY
SPIN/RADIAL ALL (V1.0)
Mon Oct 18 16:21:32 1993

82/174 23-JUN 2200:00 - 0600:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Mon Oct 18 16:22:43 1993

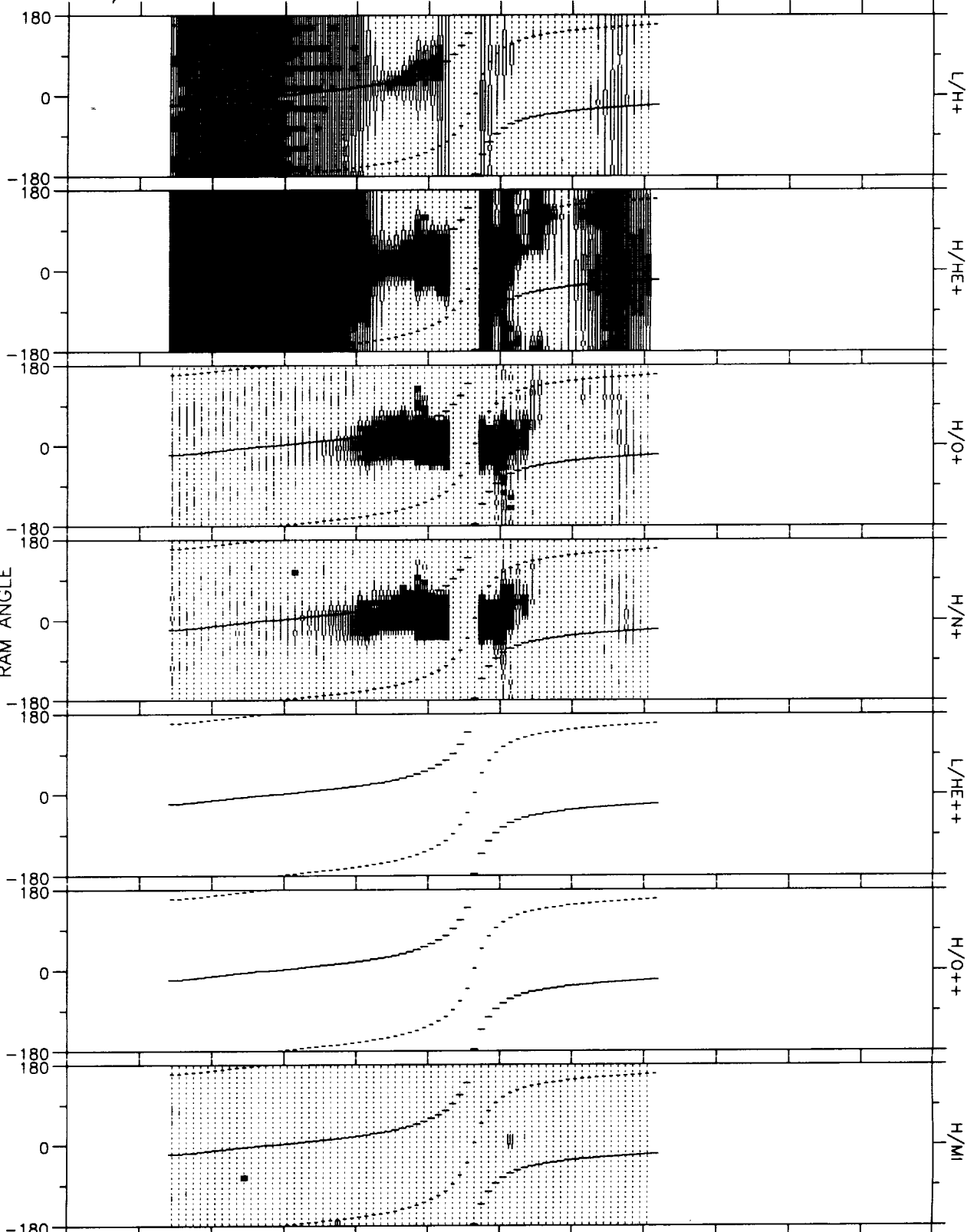
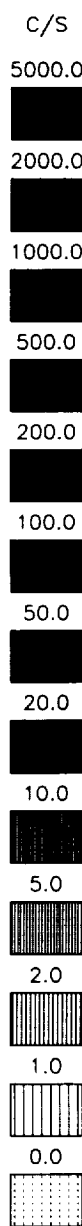
82/175 24-JUN 0500:00 - 1300:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0540	0620	0700	0740	0820	0900	0940	1020	1100	1140	0000	DEGS
RE	4.6	4.4	3.9	3.0	1.8	1.3	2.6	3.6	4.2	4.6	0.0	HHMM
L	4.7	4.3	4.0	4.1	19.4	1.8	50.5	9.4	6.5	5.4	0.0	RE
MLT	16.5	16.4	16.3	16.2	15.9	4.3	15.8	15.9	16.0	16.0	0.0	
MLAT	-8.52	0.79	12.52	30.32	69.78	*****	*****	*****	*****	*****	0.00	HRS
INVLAT	62.5	61.3	60.1	60.5	76.9	42.3	81.9	71.0	66.8	64.6	0.0	DEGS

DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Mon Oct 18 16:25:44 1993

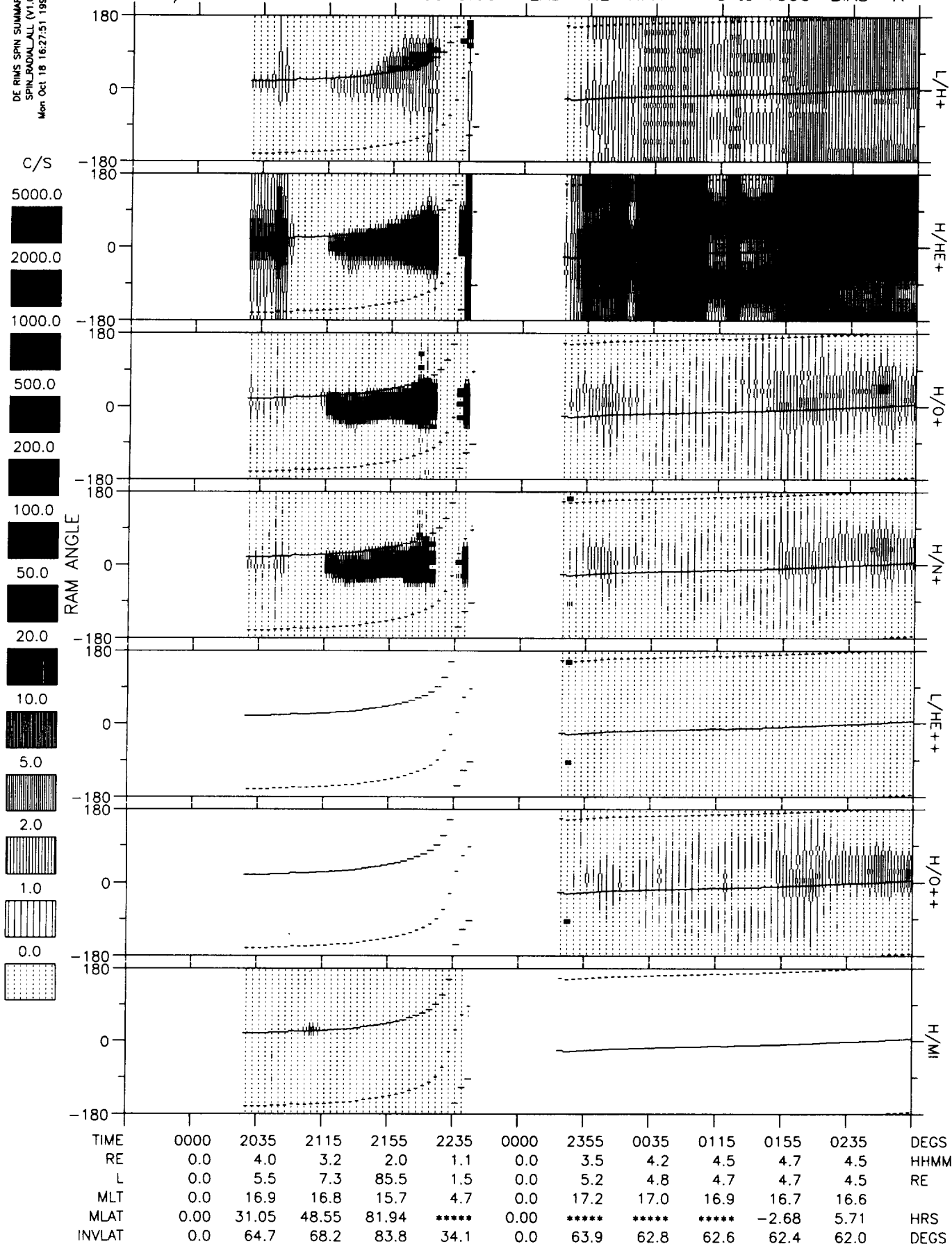
82/175 24-JUN 1200:00 - 2000:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0000	1320	1400	1440	1520	1600	1640	1720	0000	0000	0000	DEGS
RE	0.0	4.3	3.7	2.8	1.5	1.6	2.9	3.8	0.0	0.0	0.0	HHMM
L	0.0	4.4	4.3	5.3	24.2	18.0	7.8	5.3	0.0	0.0	0.0	RE
MLT	0.0	16.4	16.6	17.1	1.4	7.0	15.6	16.2	0.0	0.0	0.0	
MLAT	0.00	6.50	21.91	44.49	73.77	*****	*****	*****	0.00	0.00	0.00	HRS
INVLAT	0.0	61.4	61.1	64.2	78.2	76.3	68.9	64.2	0.0	0.0	0.0	DEGS

DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Mon Oct 18 16:27:51 1993

82/175 24-JUN 1915:00 - 0315:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RUS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Mon Oct 18 16:34:45 1993

82/176 25-JUN 0130:00 - 0930:00 HEAD= RL RPA= 0 to 1000 BIAS= A

C/S

5000.0

2000.0

1000.0

500.0

200.0

100.0

50.0

20.0

10.0

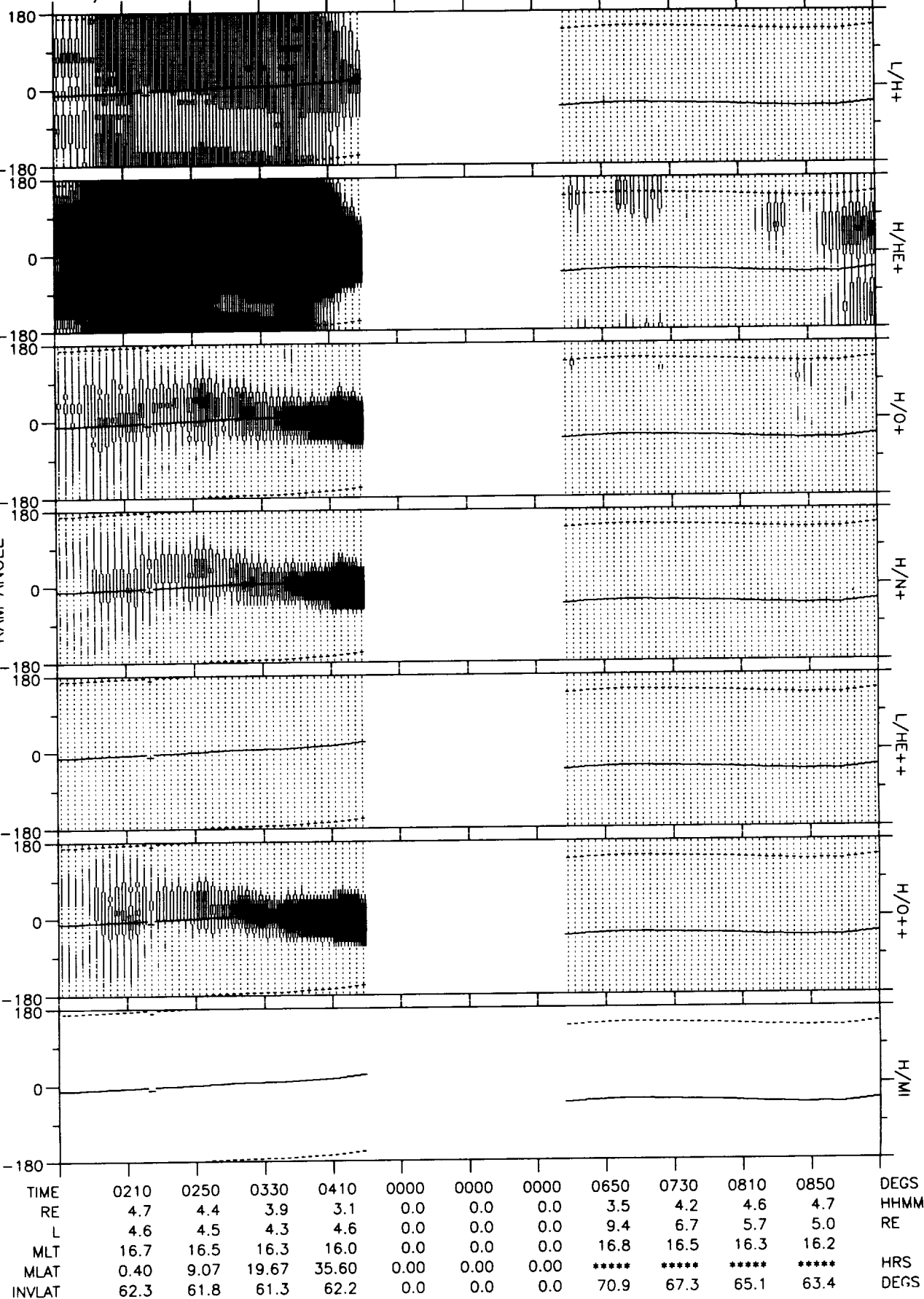
5.0

2.0

1.0

0.0

RAM ANGLE



DE RIMS SPIN SUMMARY
SPIN_RADIAL.ALL (V1.0)
Mon Oct 18 16:37:07 1993

82/176 25-JUN 0830:00 - 1630:00 HEAD= RL RPA= 0 to 1000 BIAS= A

C/S

5000.0

2000.0

1000.0

500.0

200.0

100.0

50.0

20.0

10.0

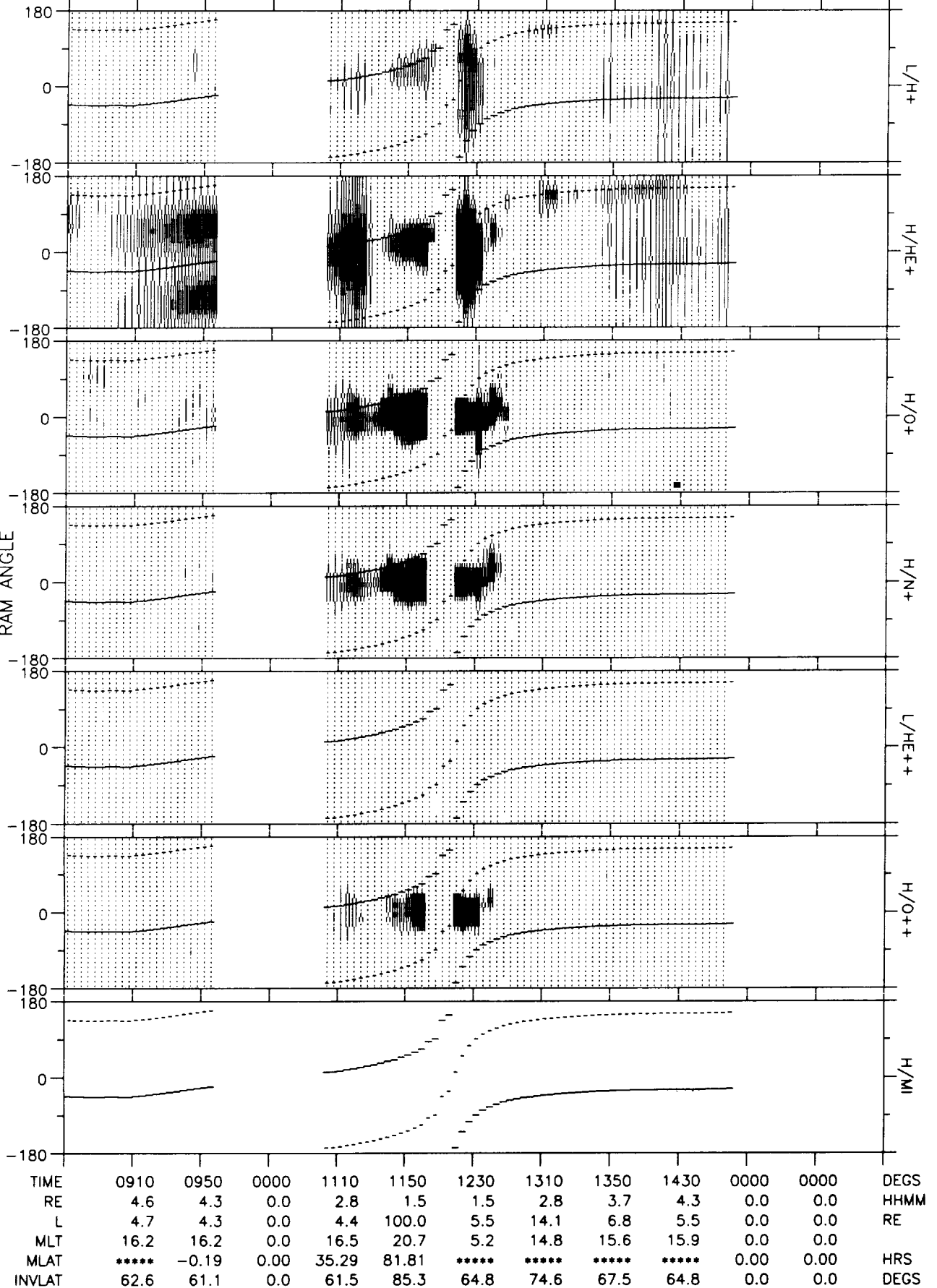
5.0

2.0

1.0

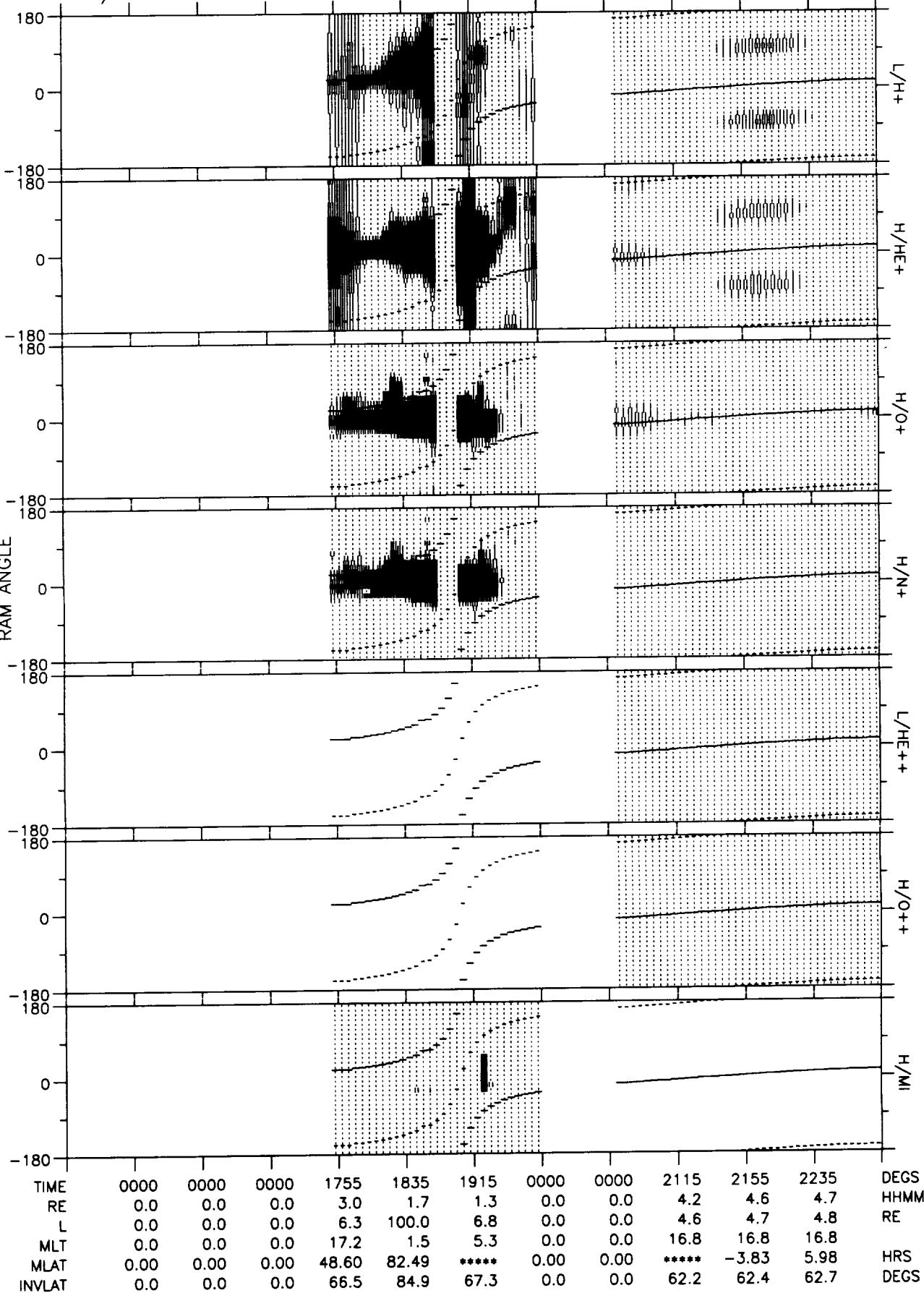
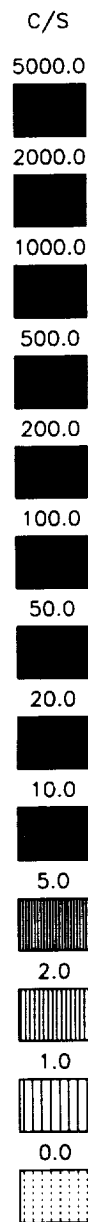
0.0

RAM ANGLE



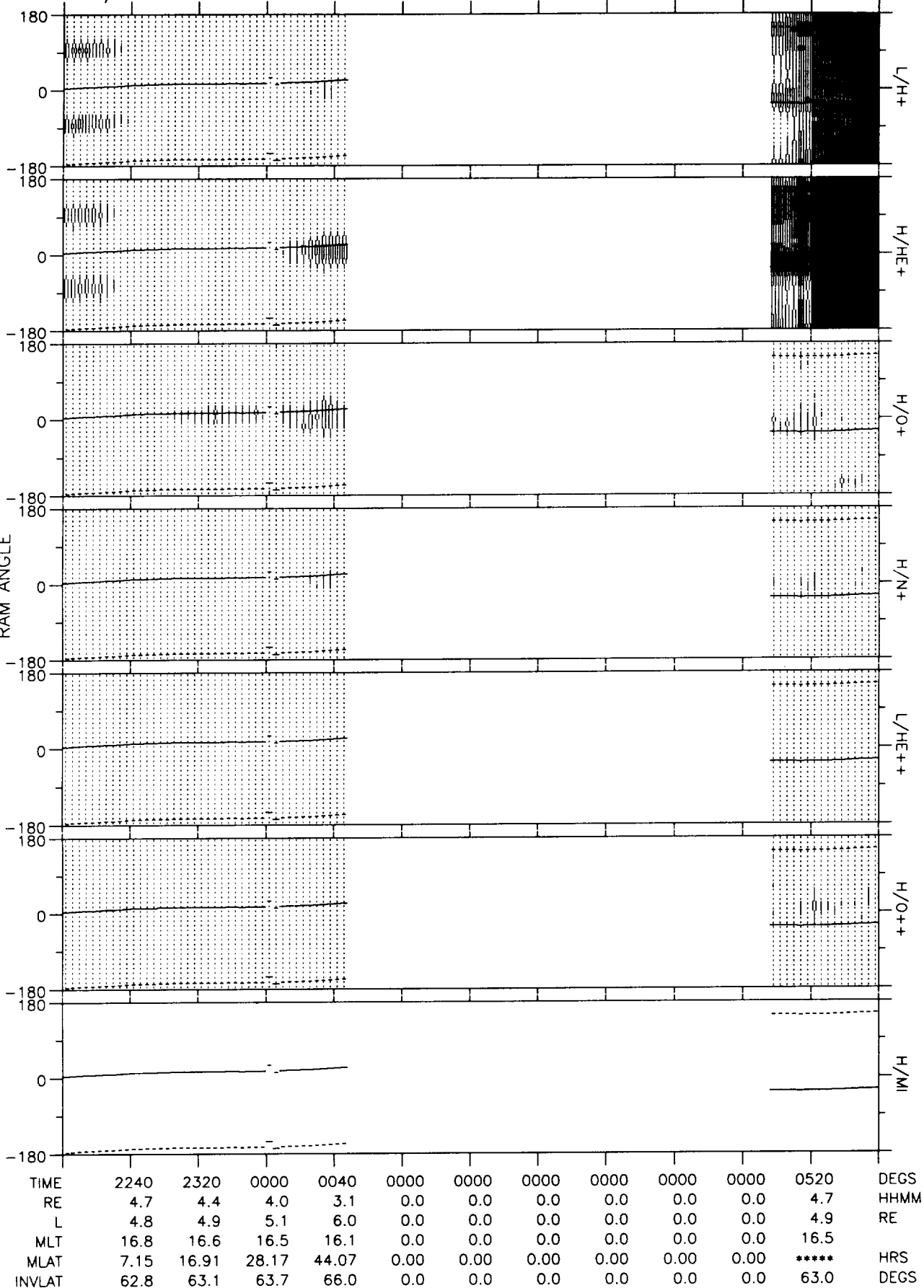
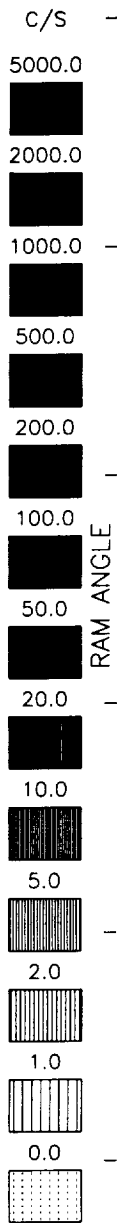
DE RIMS SPIN SUMMARY
SPIN_BADUALL (V1.0)
Mon Oct 18 16:39:05 1993

82/176 25-JUN 1515:00 - 2315:00 HEAD= RL RPA= 0 to 1000 BIAS= A



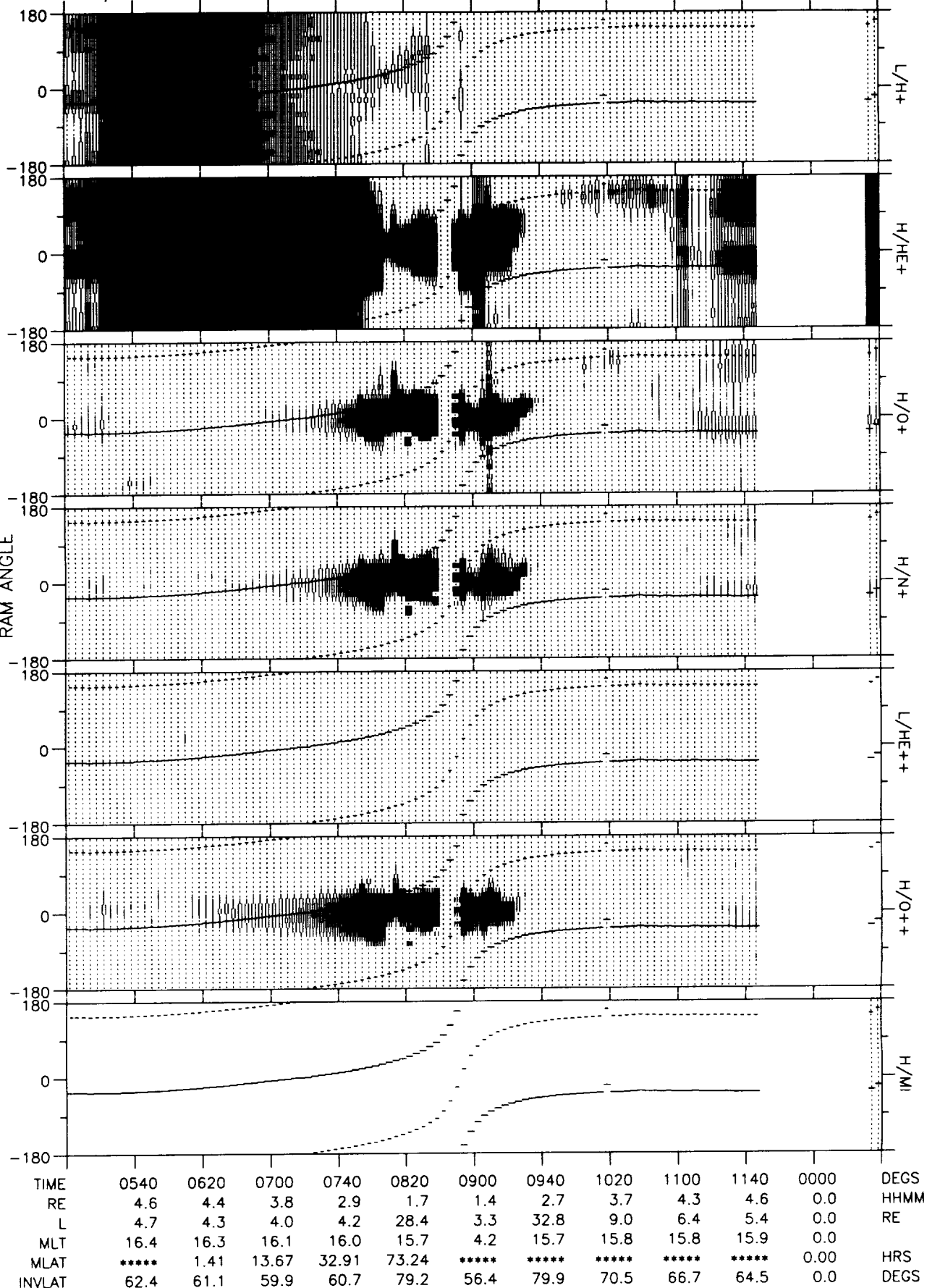
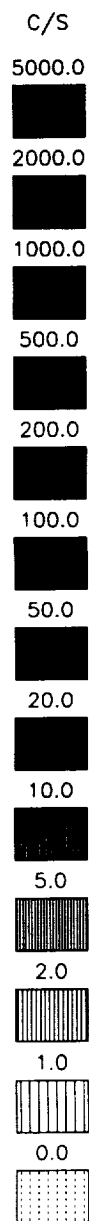
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Mon Oct 18 16:40:35 1993

82/176 25-JUN 2200:00 - 0600:00 HEAD= RL RPA= 0 to 1000 BIAS= A



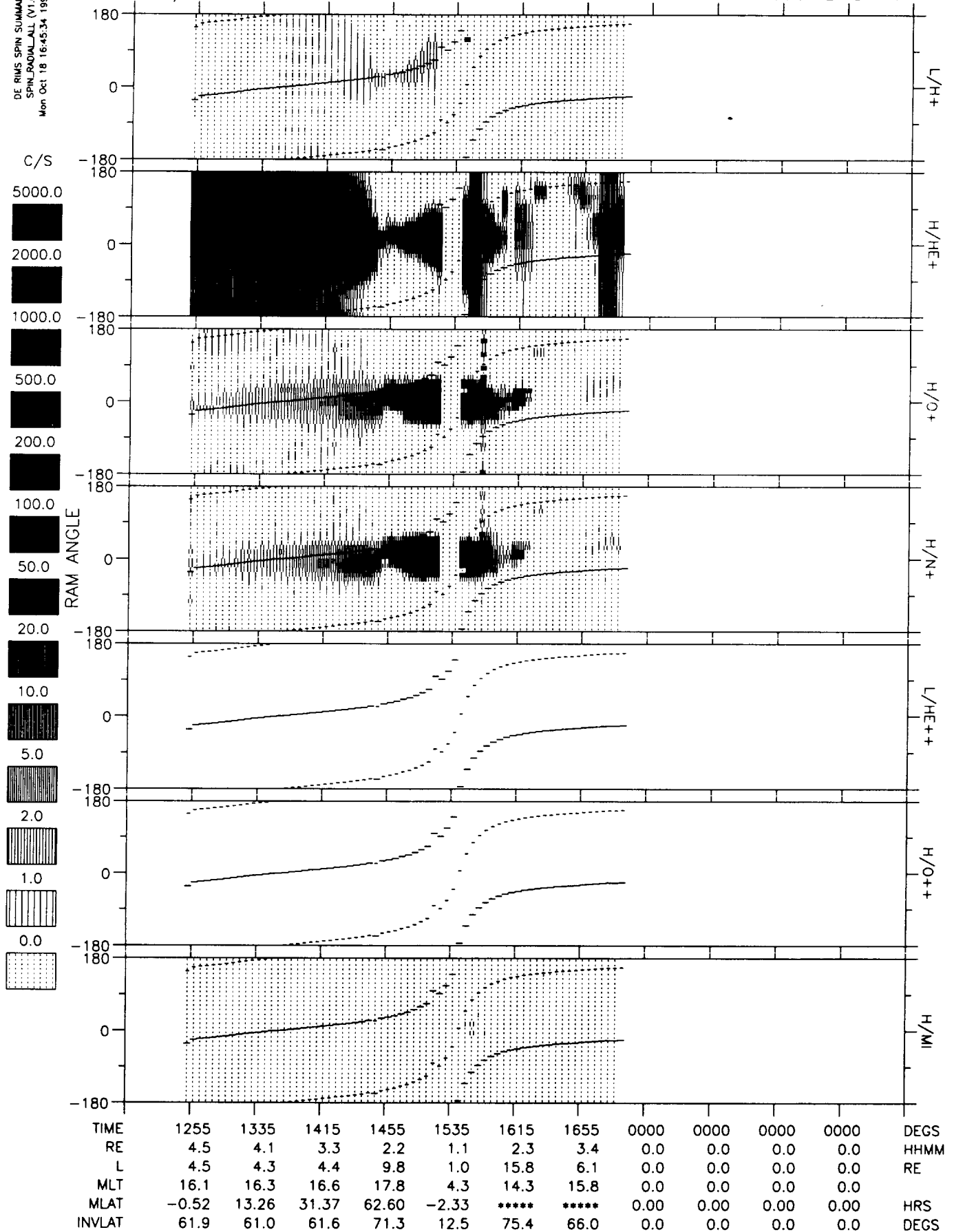
DE RMS SPIN SUMMARY
SPIN/BAOM/ALL (V1.0)
Mon Oct 18 16:42:39 1993

82/177 26-JUN 0500:00 - 1300:00 HEAD= RL RPA= 0 to 1000 BIAS= A



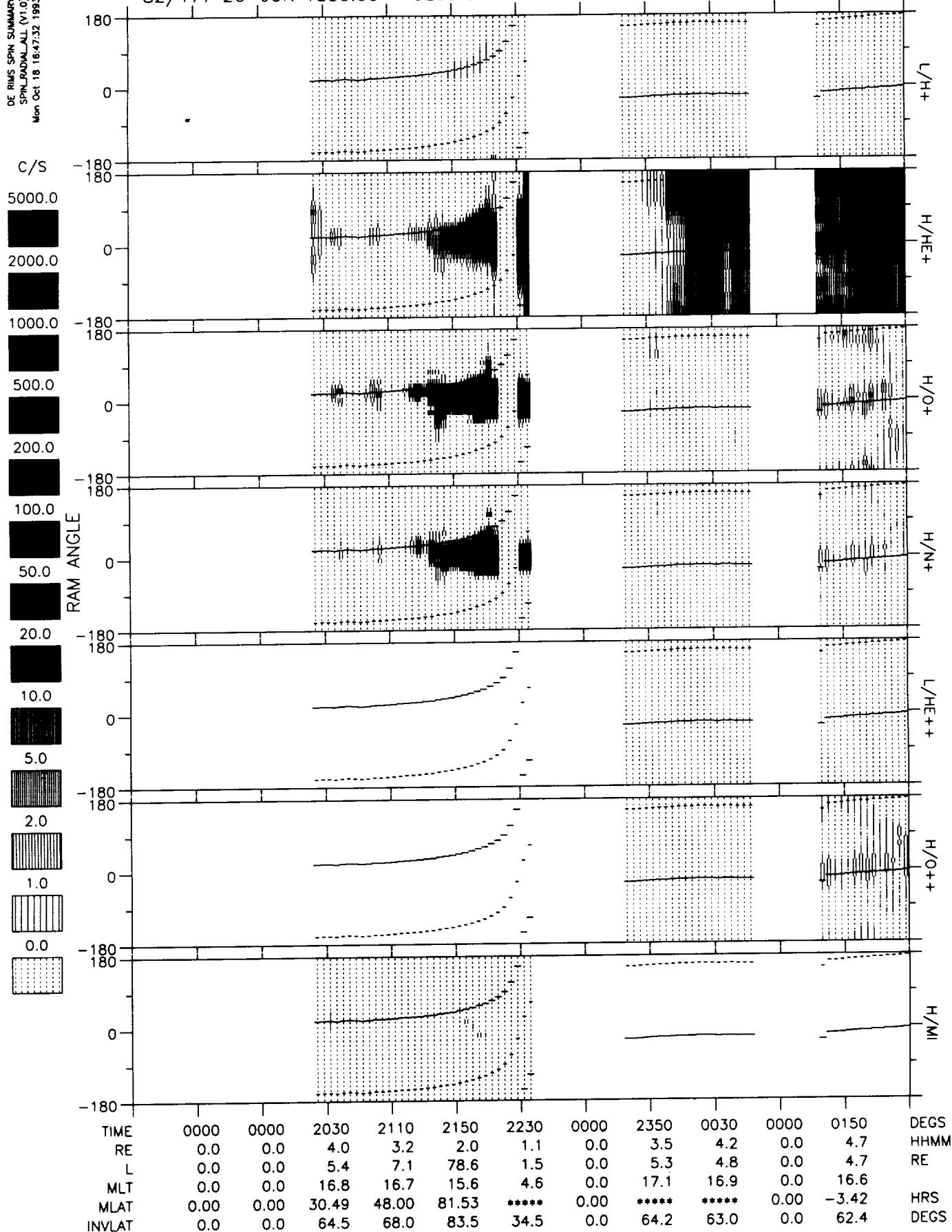
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Mon Oct 18 16:45:34 1993

82/177 26-JUN 1215:00 - 2015:00 HEAD= RL RPA= 0 to 1000 BIAS= A



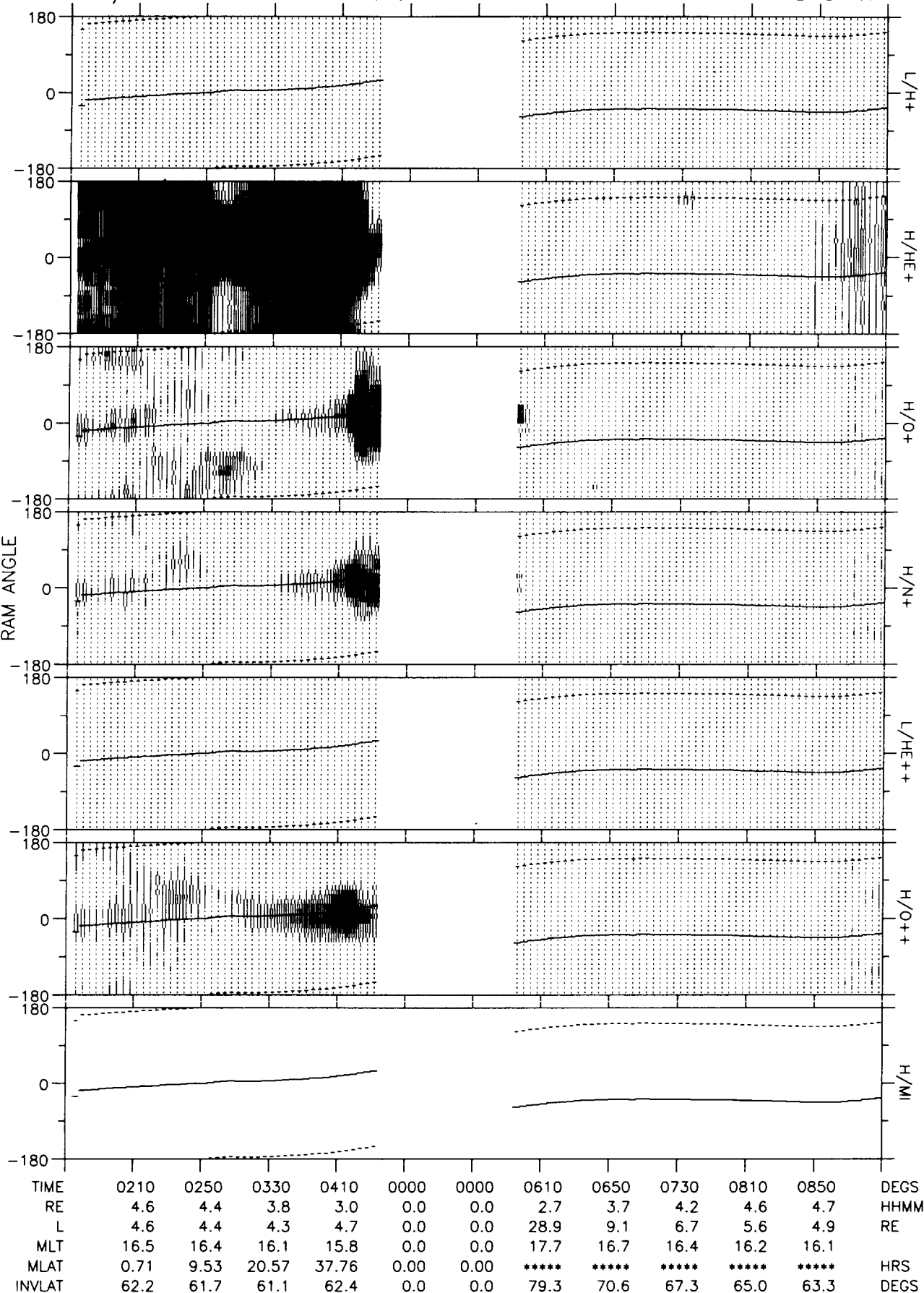
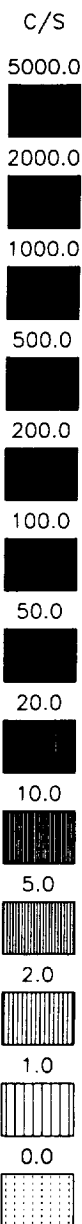
DE RIMS SPIN SUMMARY
SPIN-RADIAL-ALL (V1.0)
Mon Oct 18 18:47:32 1993

82/177 26-JUN 1830:00 - 0230:00 HEAD= RL RPA= 0 to 1000 BIAS= A



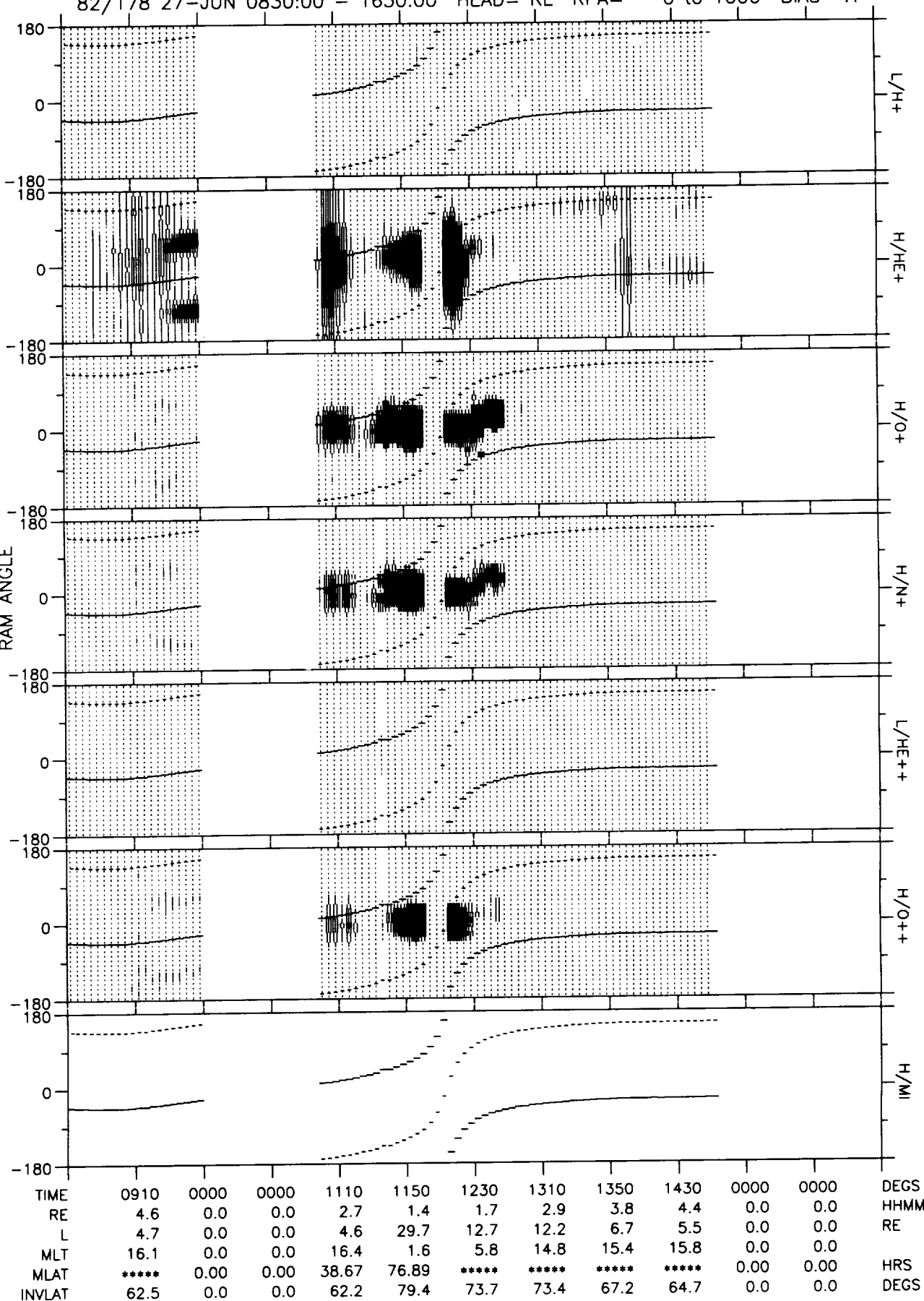
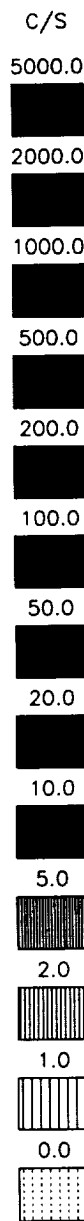
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Mon Oct 18 16:49:26 1993

82/178 27-JUN 0130:00 - 0930:00 HEAD= RL RPA= 0 to 1000 BIAS= A



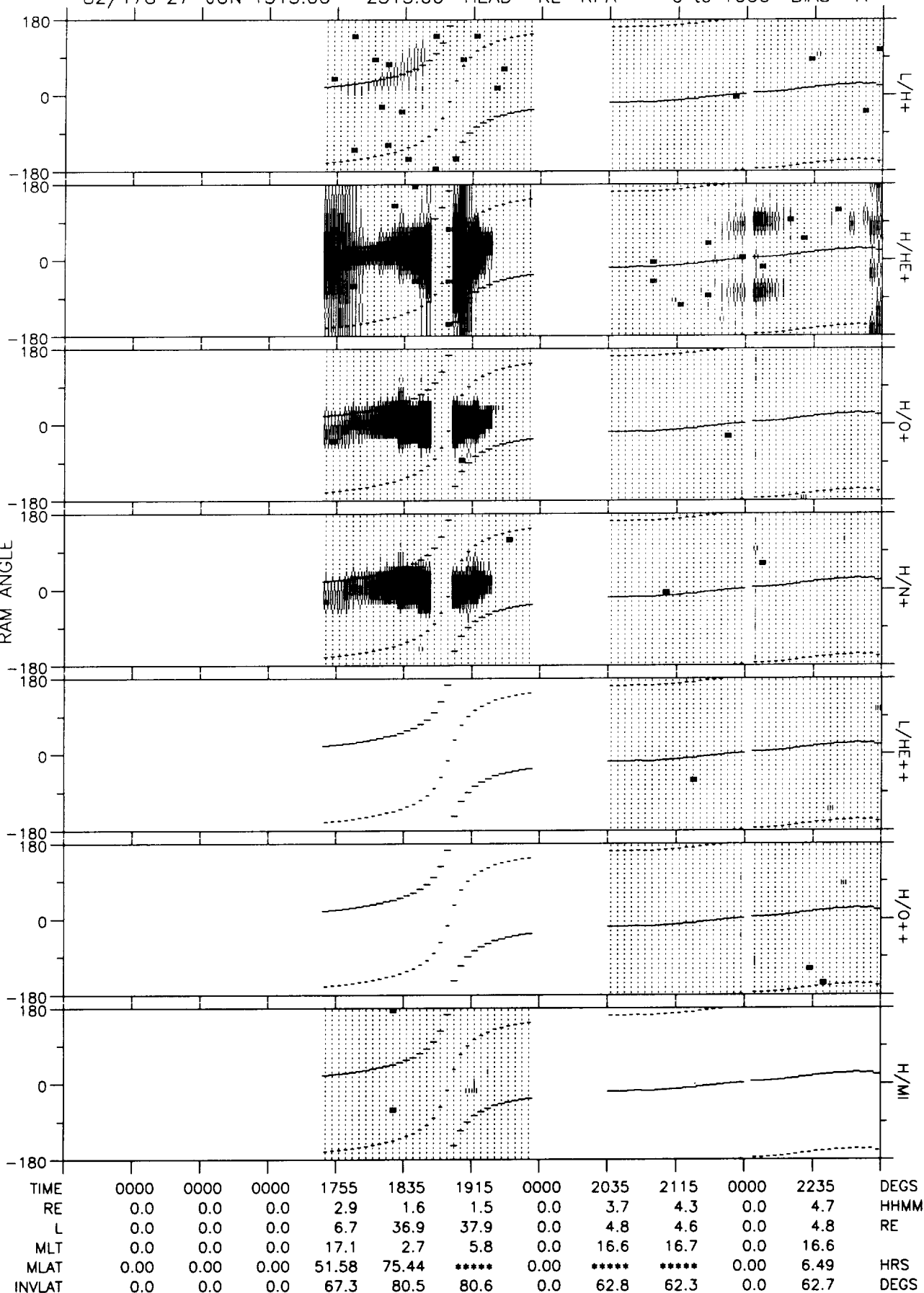
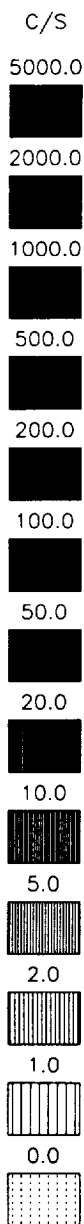
DE RMS SPIN SUMMARY
SPINRADIAL (V1.0)
Mon Oct 18 16:51:47 1993

82/178 27-JUN 0830:00 - 1630:00 HEAD= RL RPA= 0 to 1000 BIAS= A



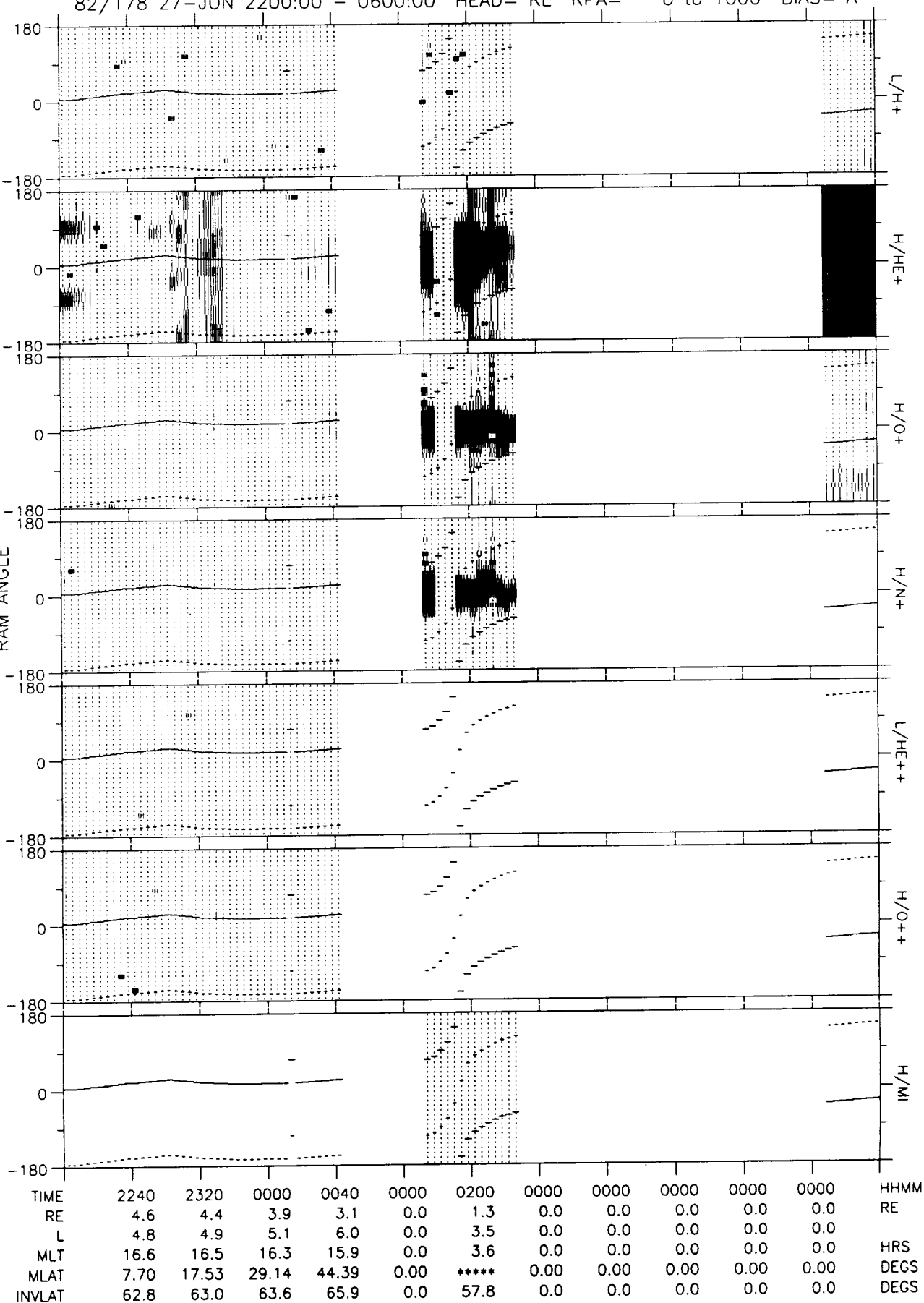
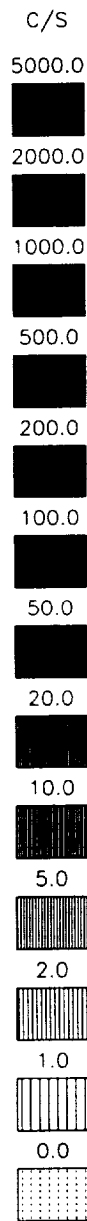
DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Mon Oct 18 17:14:41 1993

82/178 27-JUN 1515:00 - 2315:00 HEAD= RL RPA= 0 to 1000 BIAS= A



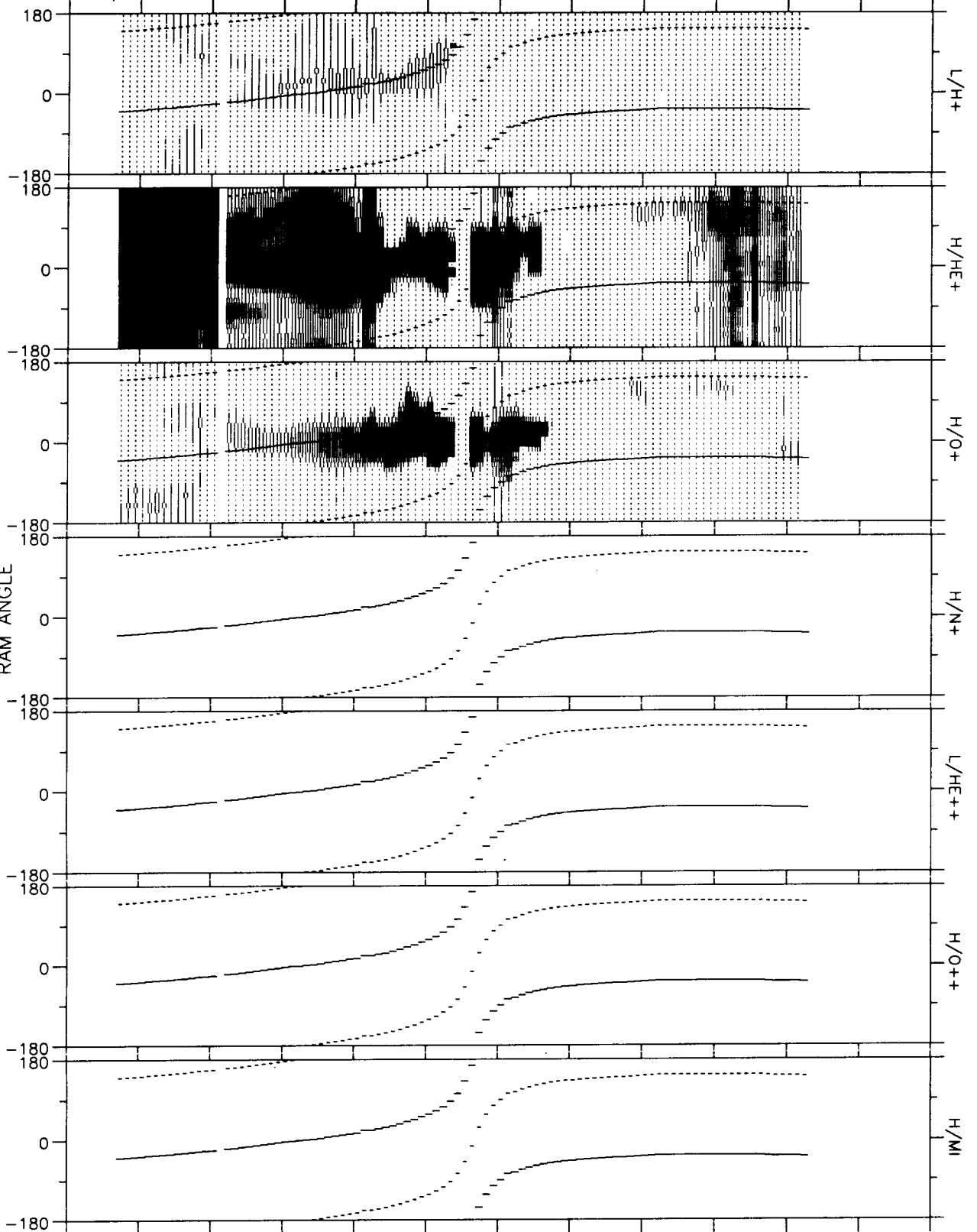
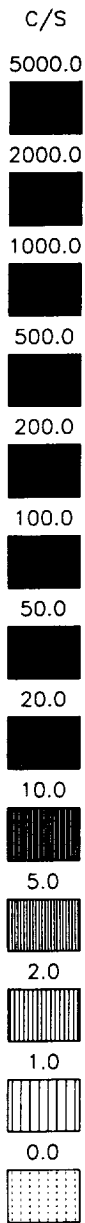
DE RIMS SPIN SUMMARY
SPIN RADIAL (V1.0)
Mon Dec 6 07:30:04 1993

82/178 27-JUN 2200:00 - 0600:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN_RADIALALL (V1.0)
Mon Oct 18 17:16:29 1993

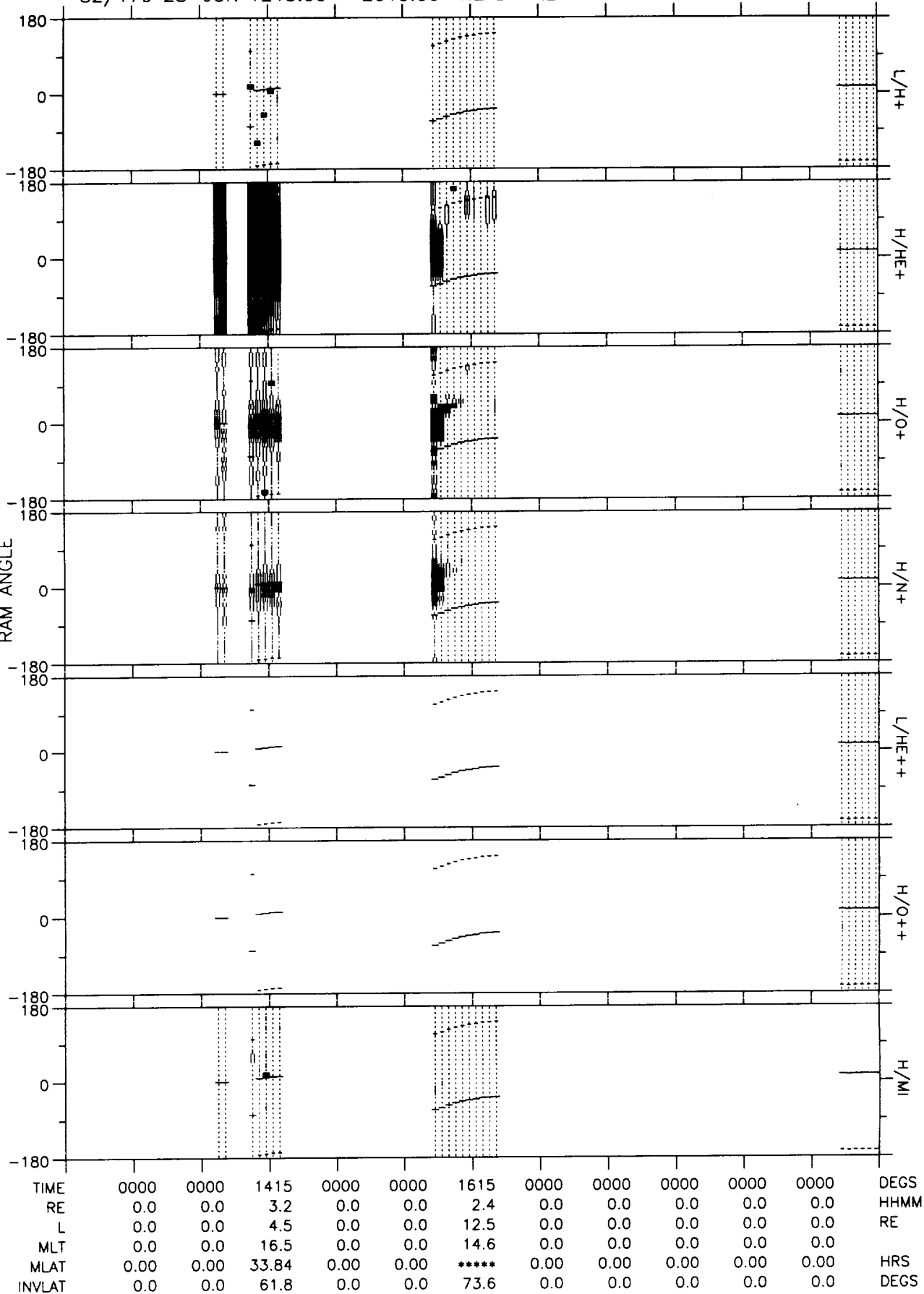
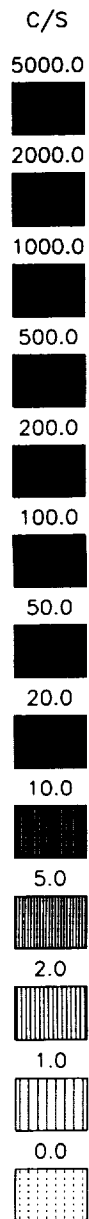
82/179 28-JUN 0500:00 - 1300:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0540	0620	0700	0740	0820	0900	0940	1020	1100	1140	0000	DEGS
RE	4.6	4.3	3.7	2.8	1.4	1.6	2.9	3.8	4.3	4.6	0.0	HHMM
L	4.6	4.2	3.9	4.3	100.0	5.7	24.6	8.6	6.3	5.3	0.0	RE
MLT	16.3	16.1	16.0	15.9	7.8	4.1	15.5	15.6	15.7	15.8	0.0	
MLAT	-7.71	1.89	14.93	35.54	87.94	*****	*****	*****	*****	*****	0.00	HRS
INVLAT	62.3	60.9	59.7	61.1	86.2	65.2	78.4	70.1	66.5	64.4	0.0	DEGS

DE RIMS SPIN SUMMARY
SPINRADIALALL (V1.0)
Mon Oct 18 17:22:39 1993

82/179 28-JUN 1215:00 - 2015:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN_RADIALALL (V1.0)
Mon Oct 18 17:25:14 1993

82/179 28-JUN 1830:00 - 0230:00 HEAD= RL RPA= 0 to 1000 BIAS= A

C/S

5000.0

2000.0

1000.0

500.0

200.0

100.0

50.0

20.0

10.0

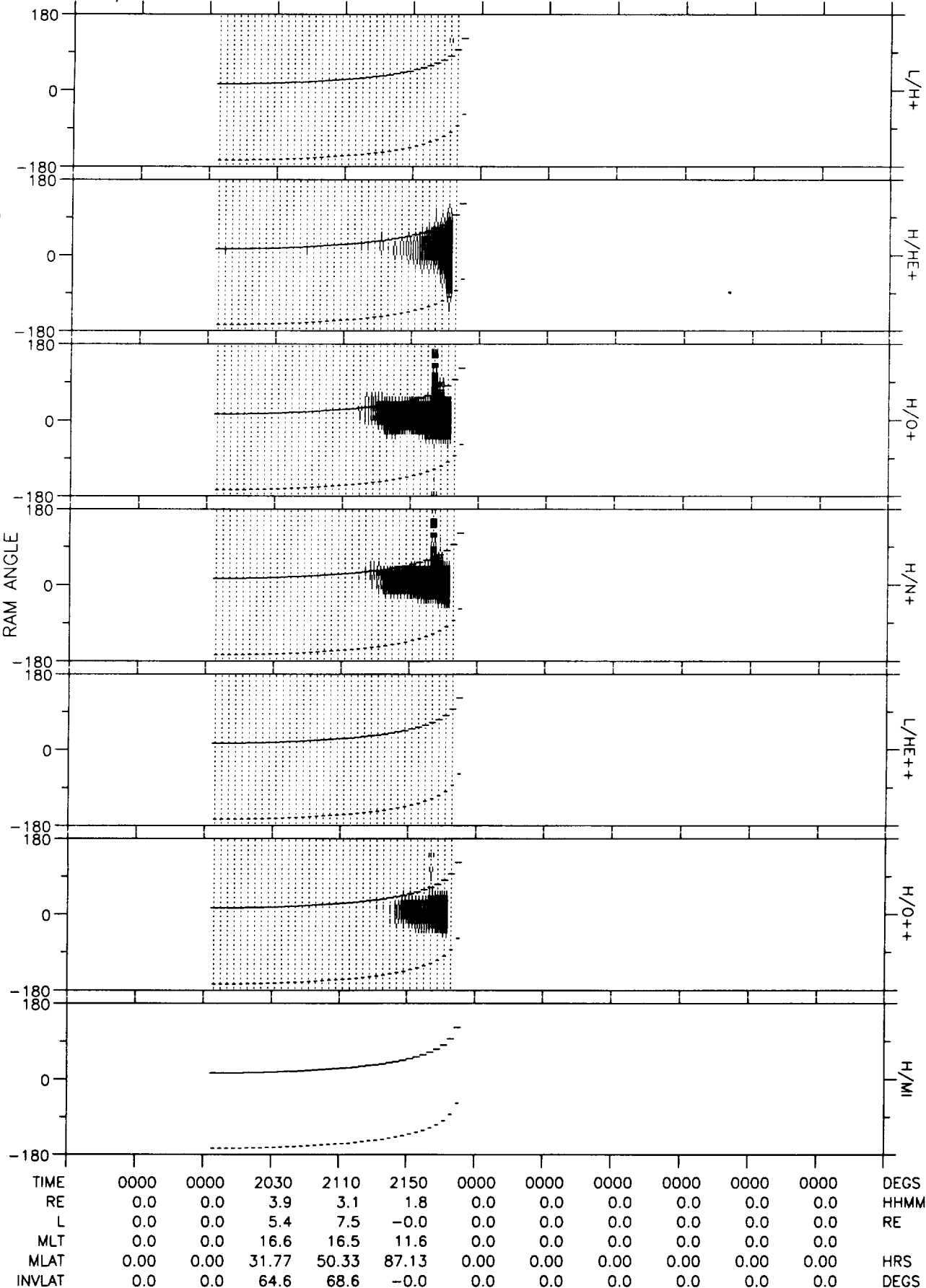
5.0

2.0

1.0

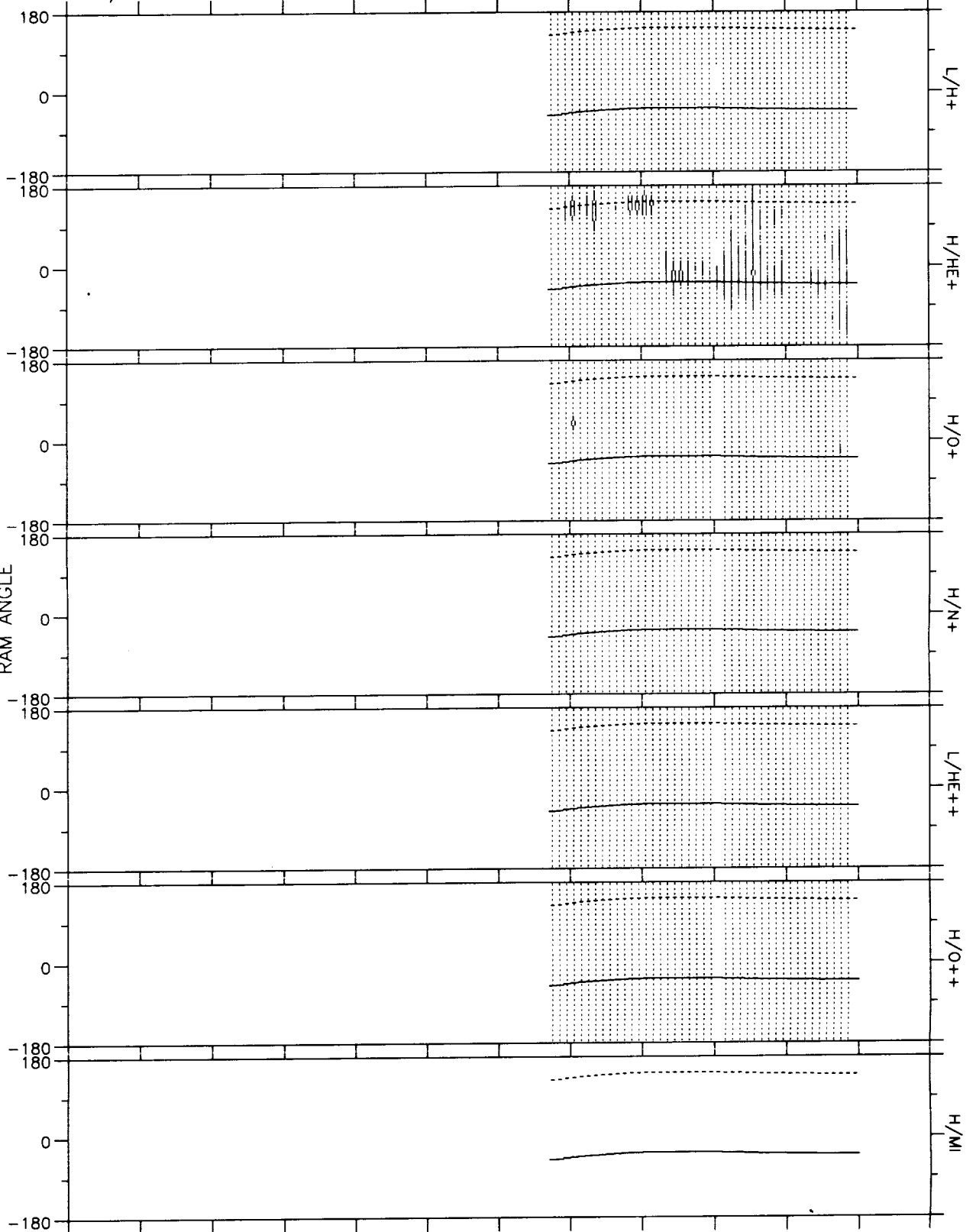
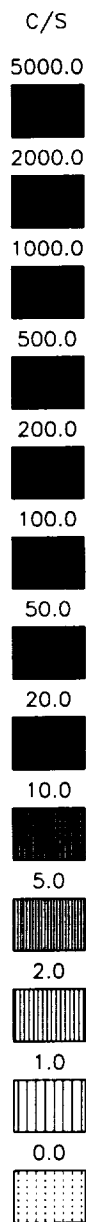
0.0

RAM ANGLE



DE RIMS SPIN SUMMARY
SPINRADIALALL (V1.0)
Tue Oct 19 10:42:49 1993

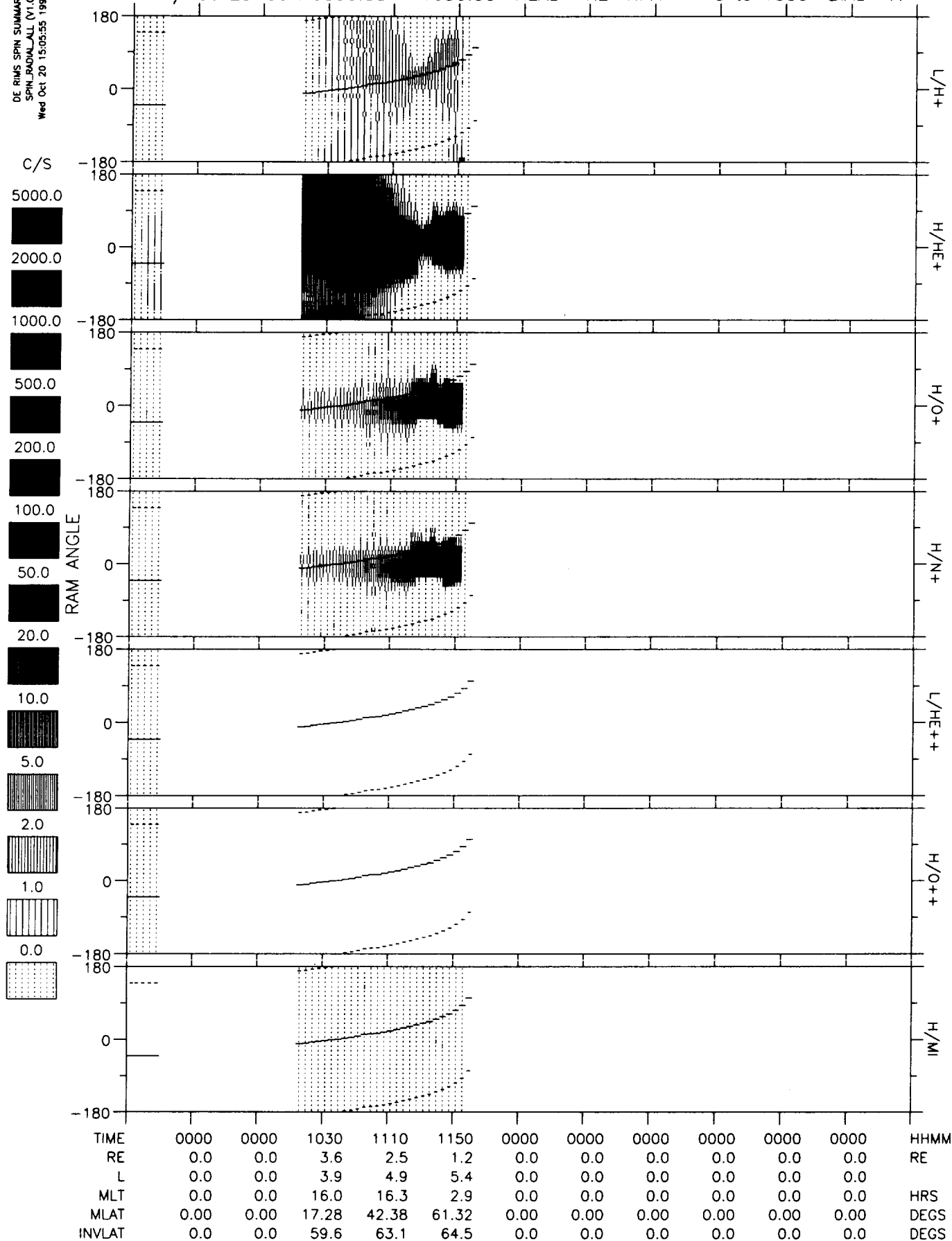
82/180 29-JUN 0130:00 - 0930:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0000	0000	0000	0000	0000	0000	0610	0650	0730	0810	0000	HHMM
RE	0.0	0.0	0.0	0.0	0.0	0.0	2.8	3.8	4.3	4.6	0.0	RE
L	0.0	0.0	0.0	0.0	0.0	0.0	22.2	8.8	6.7	5.6	0.0	
MLT	0.0	0.0	0.0	0.0	0.0	0.0	17.3	16.5	16.2	16.0	0.0	HRS
MLAT	0.00	0.00	0.00	0.00	0.00	0.00	****	****	****	****	0.00	DEGS
INVLAT	0.0	0.0	0.0	0.0	0.0	0.0	77.8	70.3	67.3	64.9	0.0	DEGS

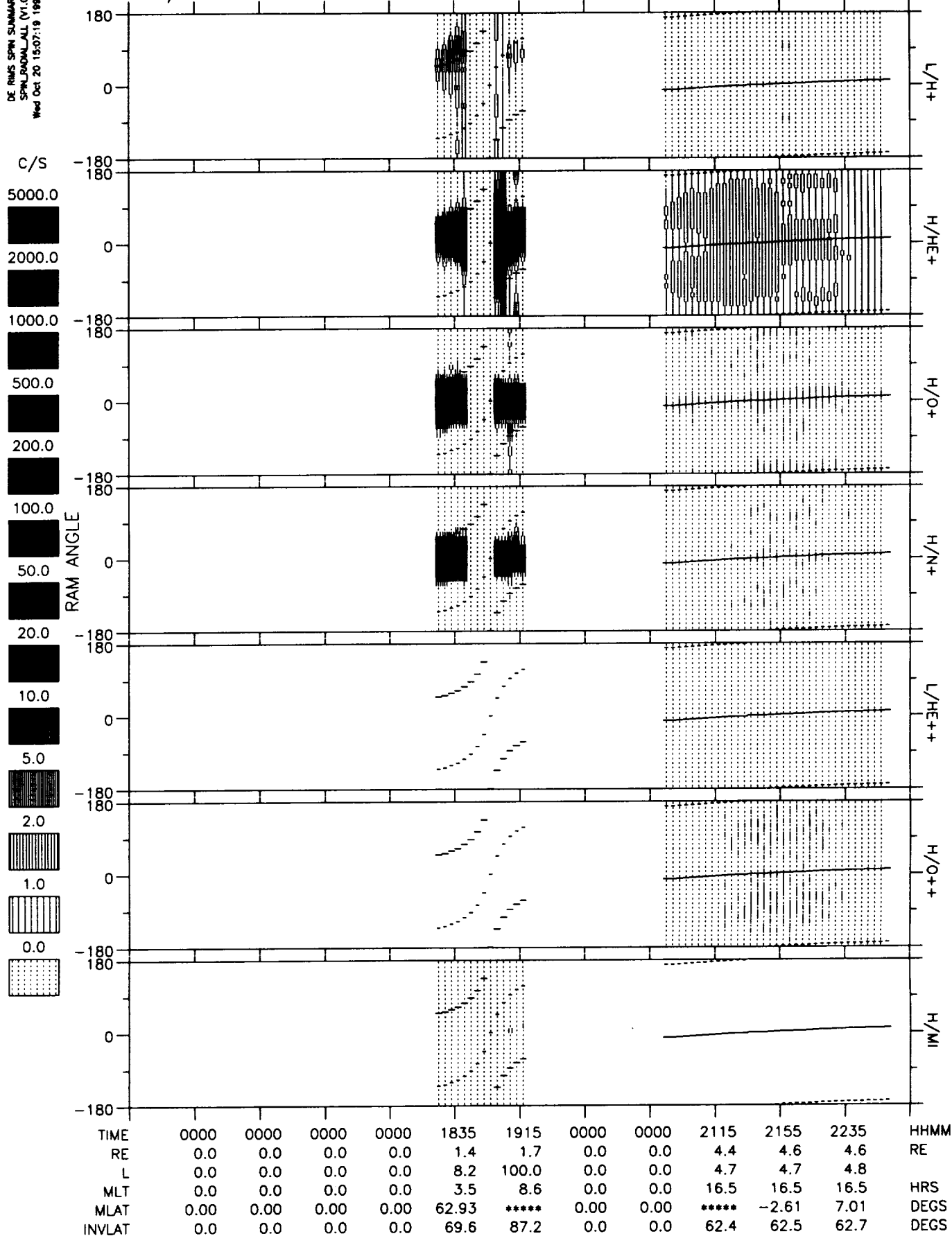
DE RIMS SPIN SUMMARY
SPIN_RADIAL.ALL (V1.0)
Wed Oct 20 15:05:55 1993

82/180 29-JUN 0830:00 - 1630:00 HEAD= RL RPA= 0 to 1000 BIAS= A



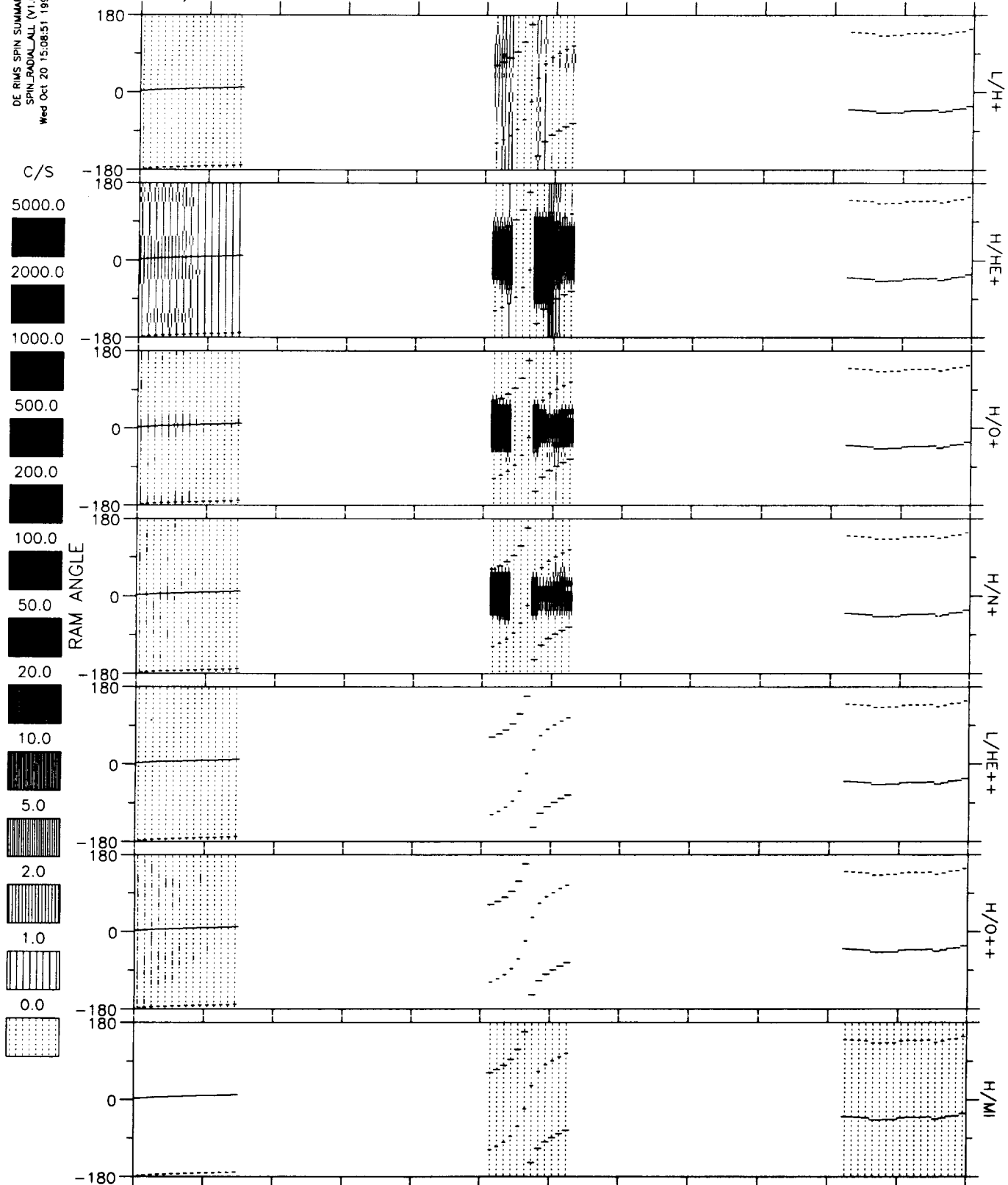
DE RMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Wed Oct 20 15:07:19 1993

82/180 29-JUN 1515:00 - 2315:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Wed Oct 20 15:08:51 1993

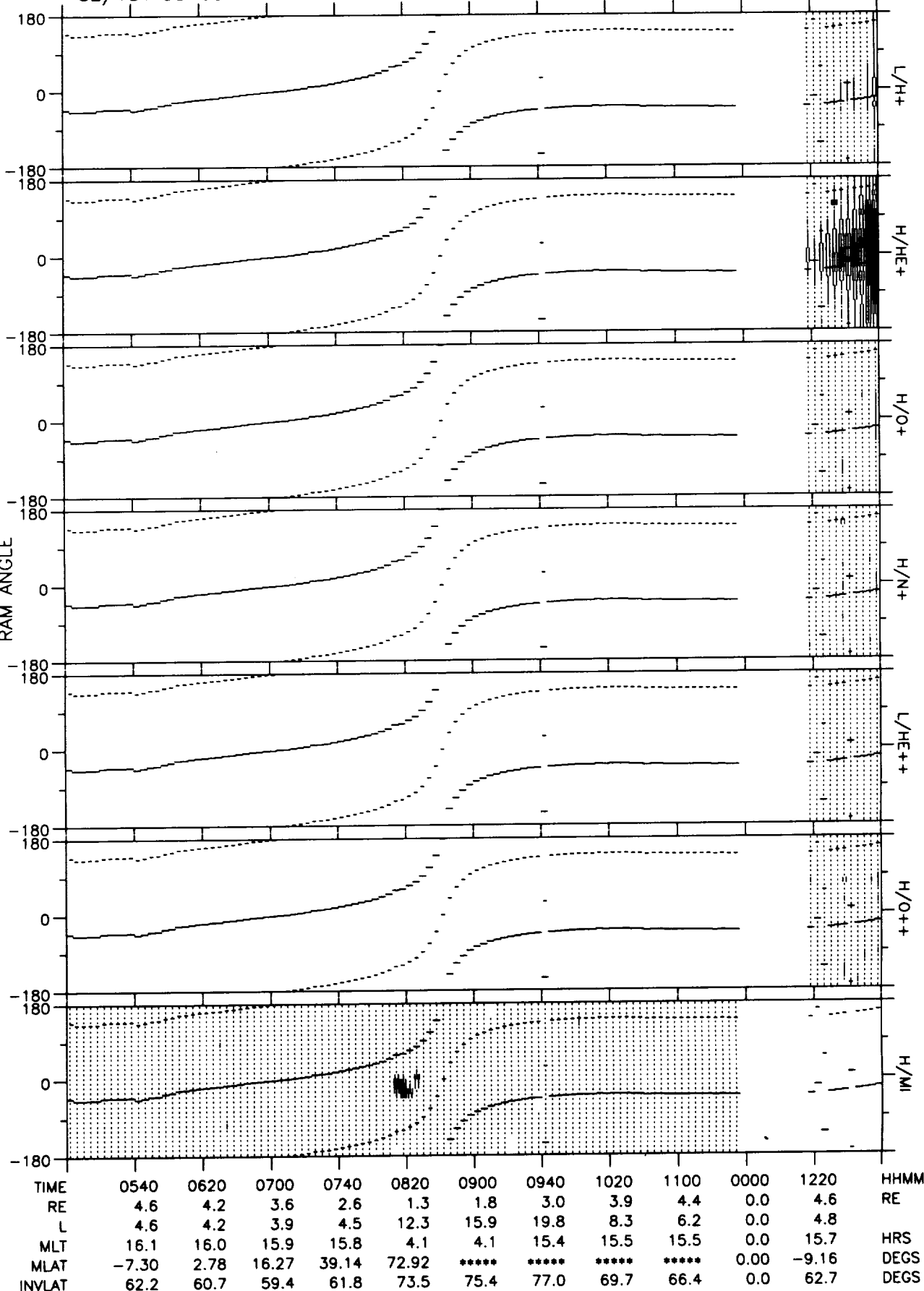
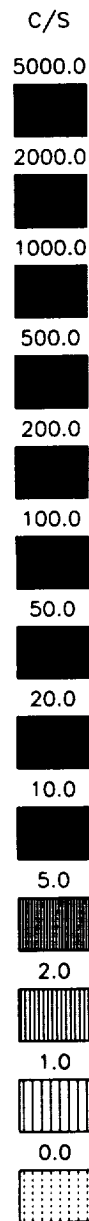
82/180 29-JUN 2200:00 - 0600:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	2240	0000	0000	0000	0000	0200	0000	0000	0000	0000	0520	HHMM
RE	4.6	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	4.7	RE
L	4.8	0.0	0.0	0.0	0.0	7.2	0.0	0.0	0.0	0.0	4.8	
MLT	16.5	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	16.2	HRS
MLAT	8.22	0.00	0.00	0.00	0.00	*****	0.00	0.00	0.00	0.00	*****	DEGS
INVLAT	62.7	0.0	0.0	0.0	0.0	68.1	0.0	0.0	0.0	0.0	62.9	DEGS

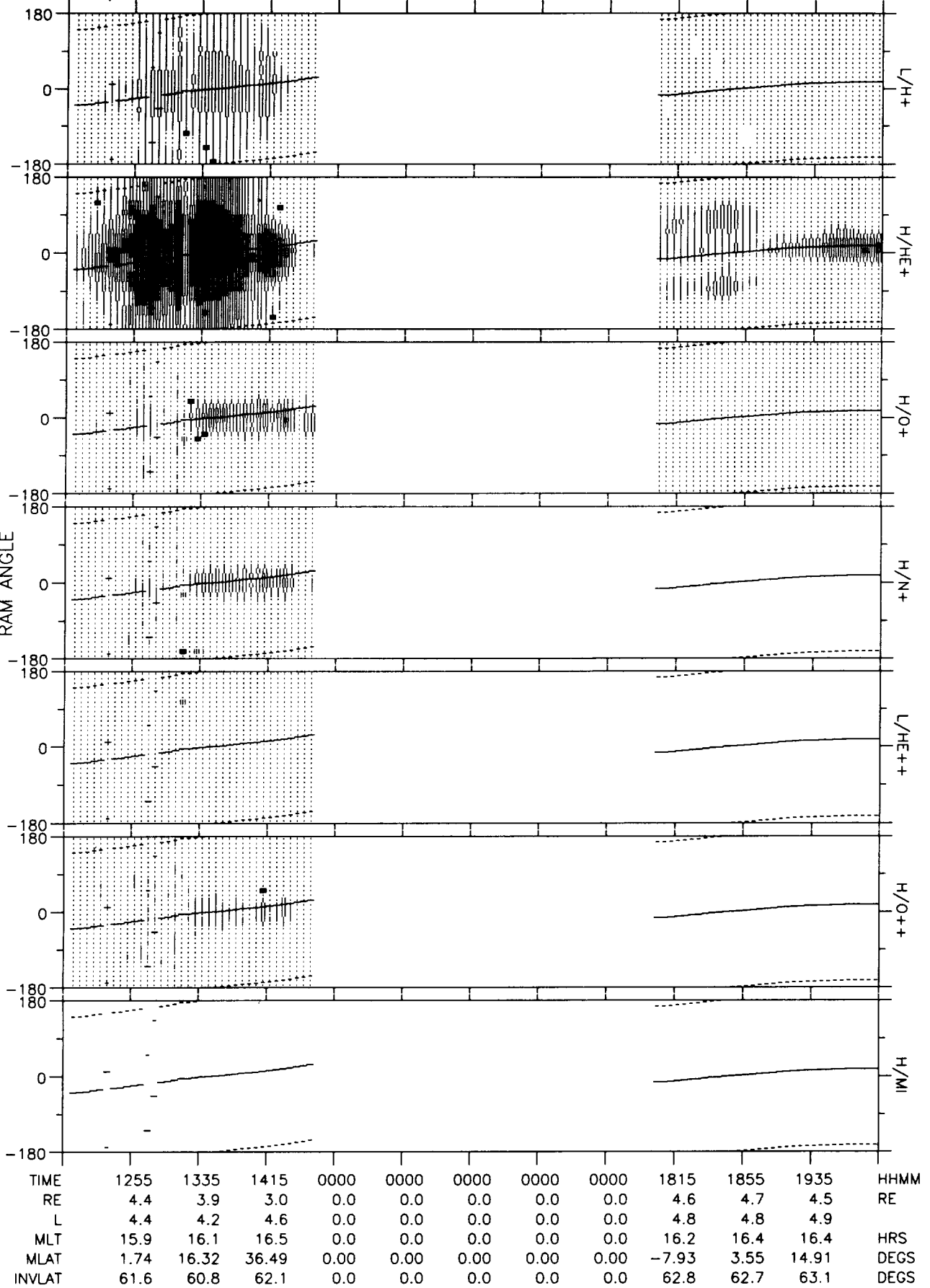
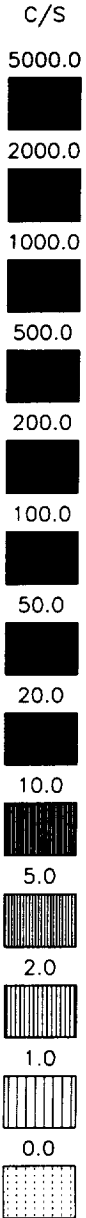
DE RUS SPIN SUMMARY
SPINJOURNAL V1.0
Wed Oct 20 15:10:12 1993

82/181 30-JUN 0500:00 - 1300:00 HEAD= RL RPA= 0 to 1000 BIAS= A



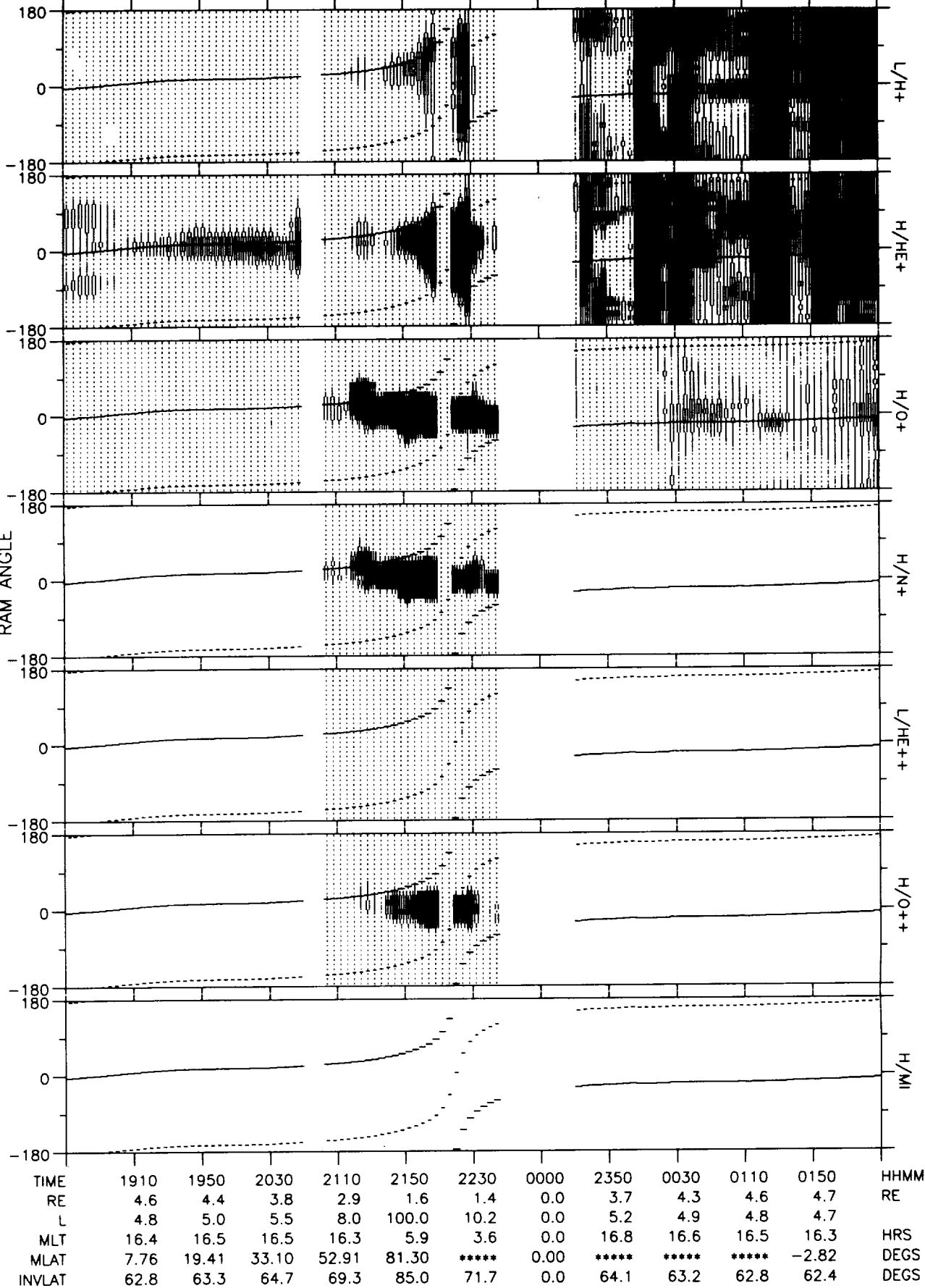
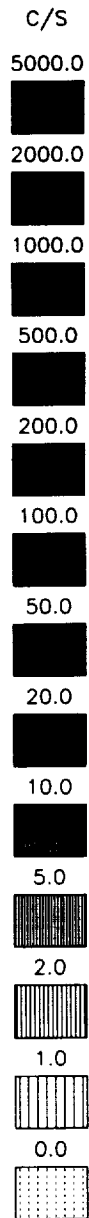
DE RIMS SPIN SUMMARY
SPIN/RADIAL (V1.0)
Wed Oct 20 15:11:32 1993

82/181 30-JUN 1215:00 - 2015:00 HEAD= RL RPA= 0 to 1000 BIAS= A



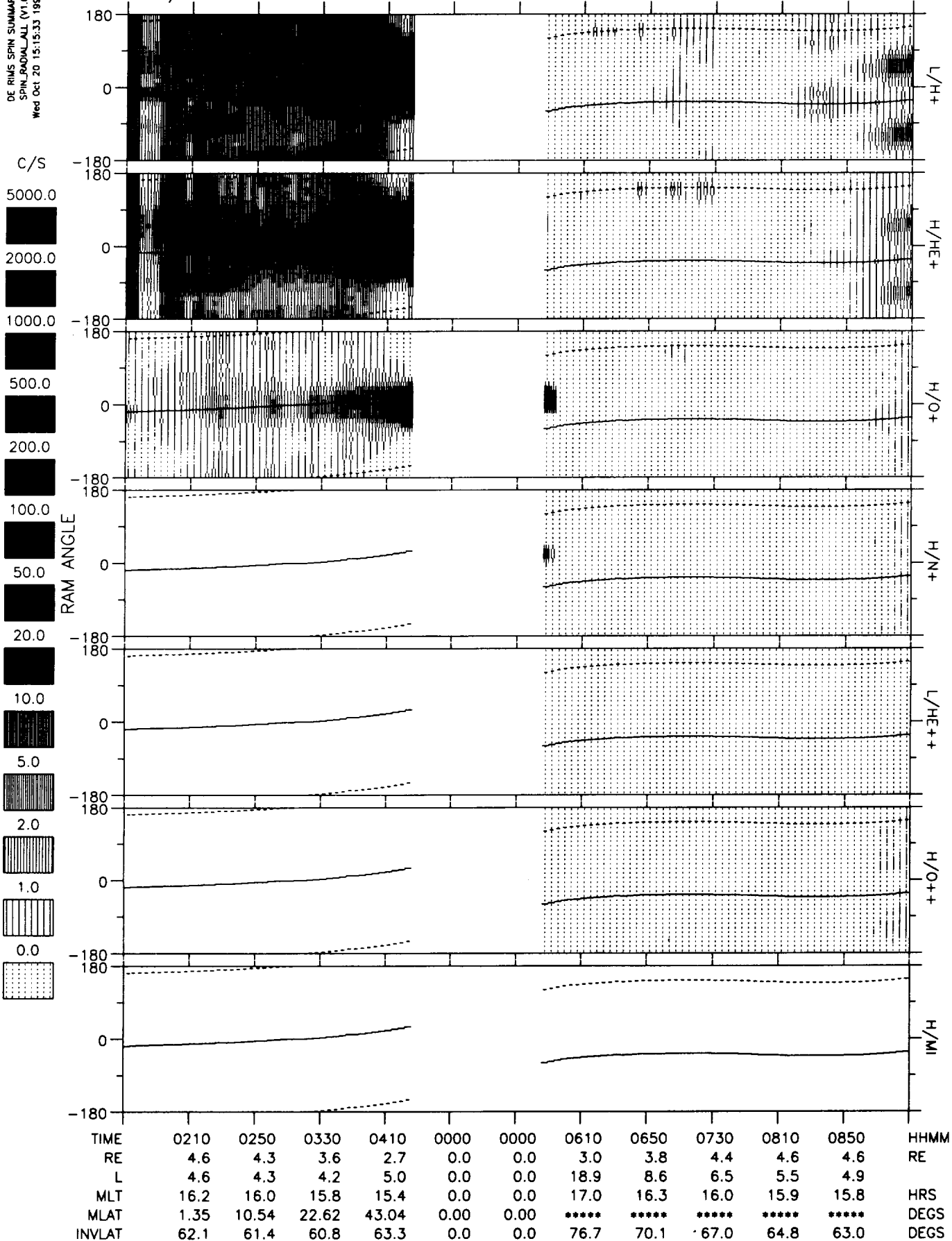
DE RMS SPIN SUMMARY
SPINRADIALALL (V1.0)
Wed Oct 20 15:13:13 1993

82/181 30-JUN 1830:00 - 0230:00 HEAD= RL RPA= 0 to 1000 BIAS= A



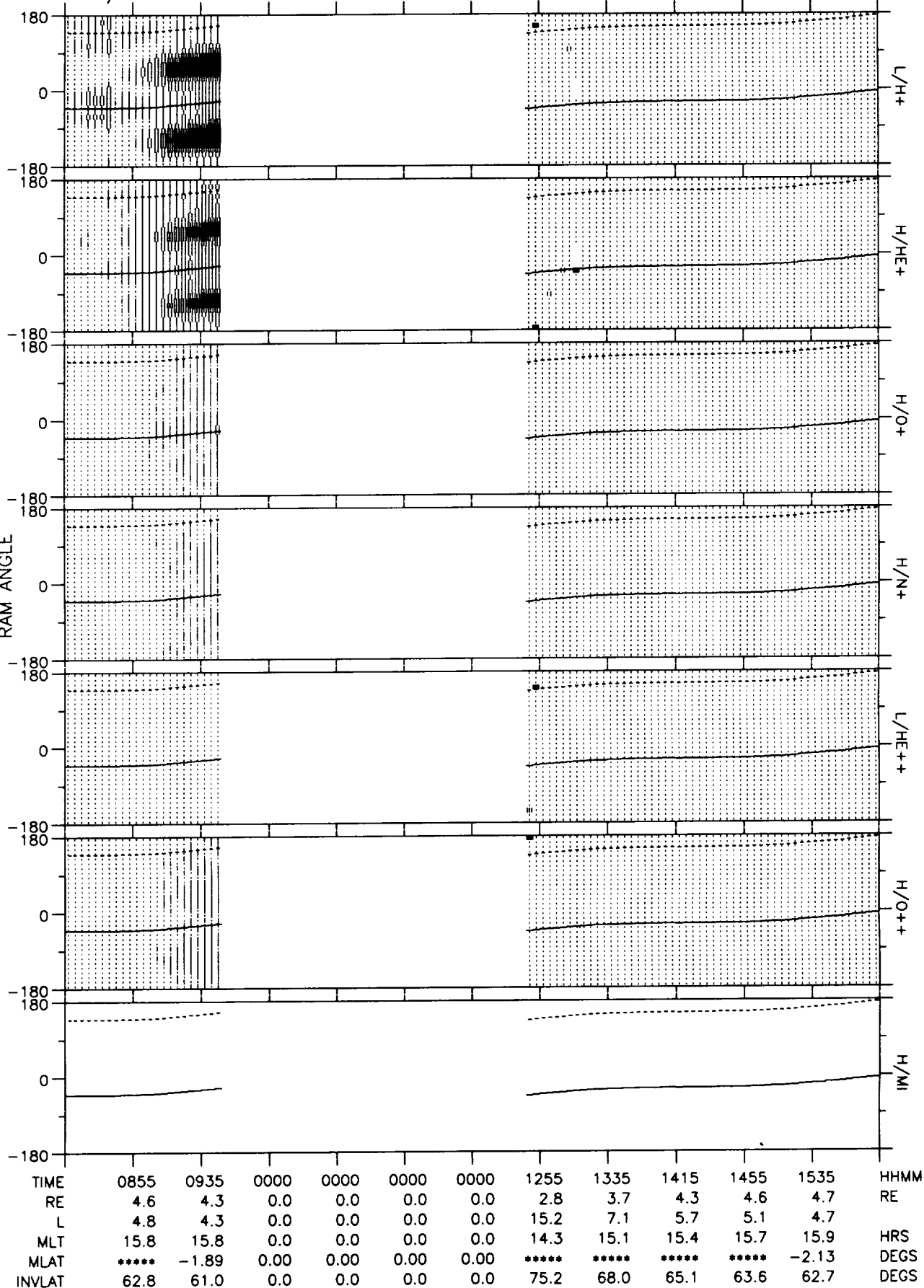
DE RIMS SPIN SUMMARY
SPIN_RADIALALL (V1.0)
Wed Oct 20 15:15:33 1993

82/182 01-JUL 0130:00 - 0930:00 HEAD= RL RPA= 0 to 1000 BIAS= A



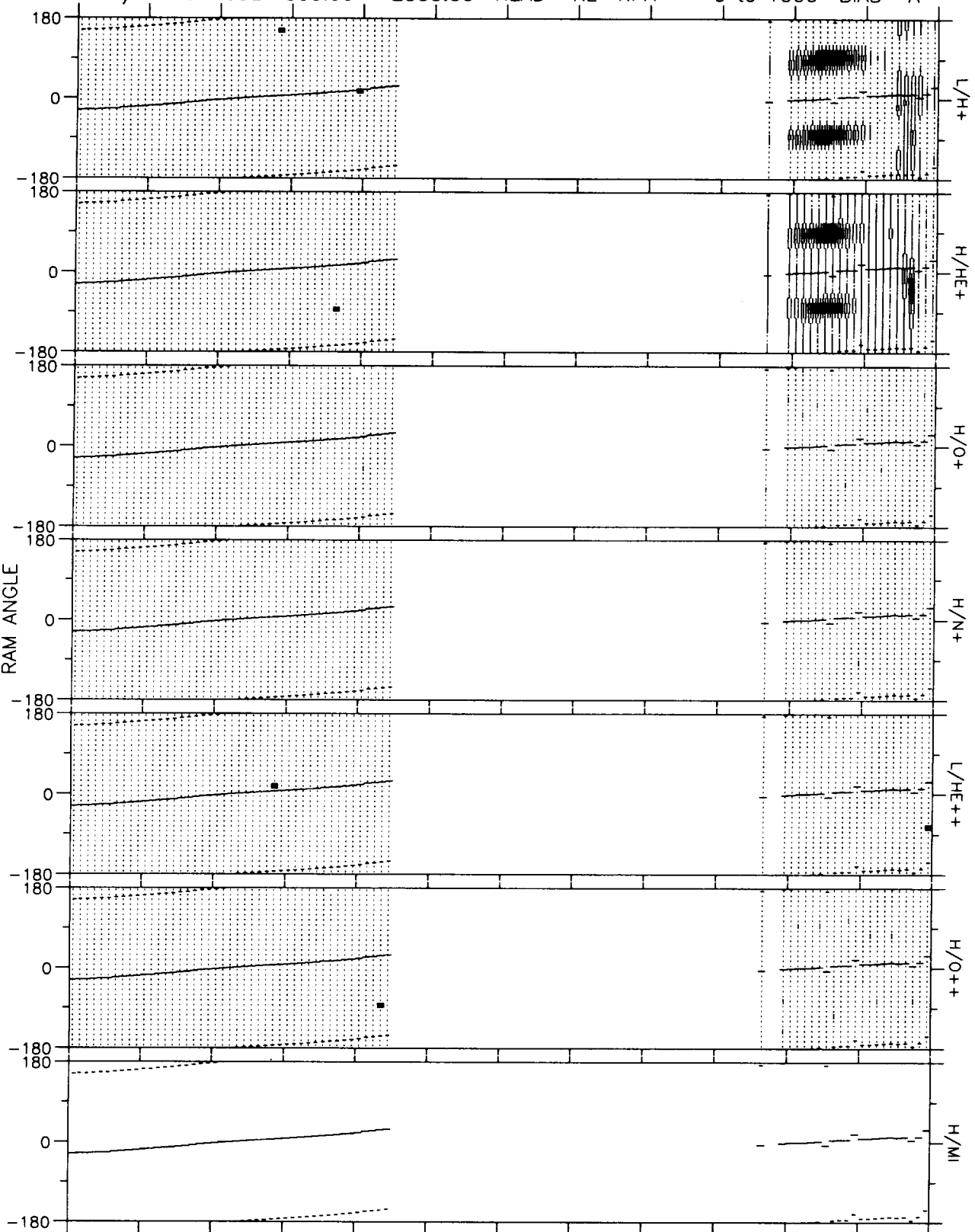
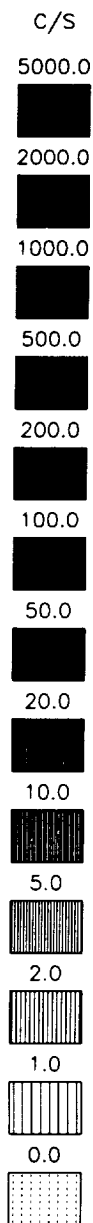
DE RIMS SPIN SUMMARY
SPIN_BRAVALL (V1.0)
Wed Oct 20 15:16:00 1993

82/182 01-JUL 0815:00 - 1615:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Wed Oct 20 15:19:49 1993

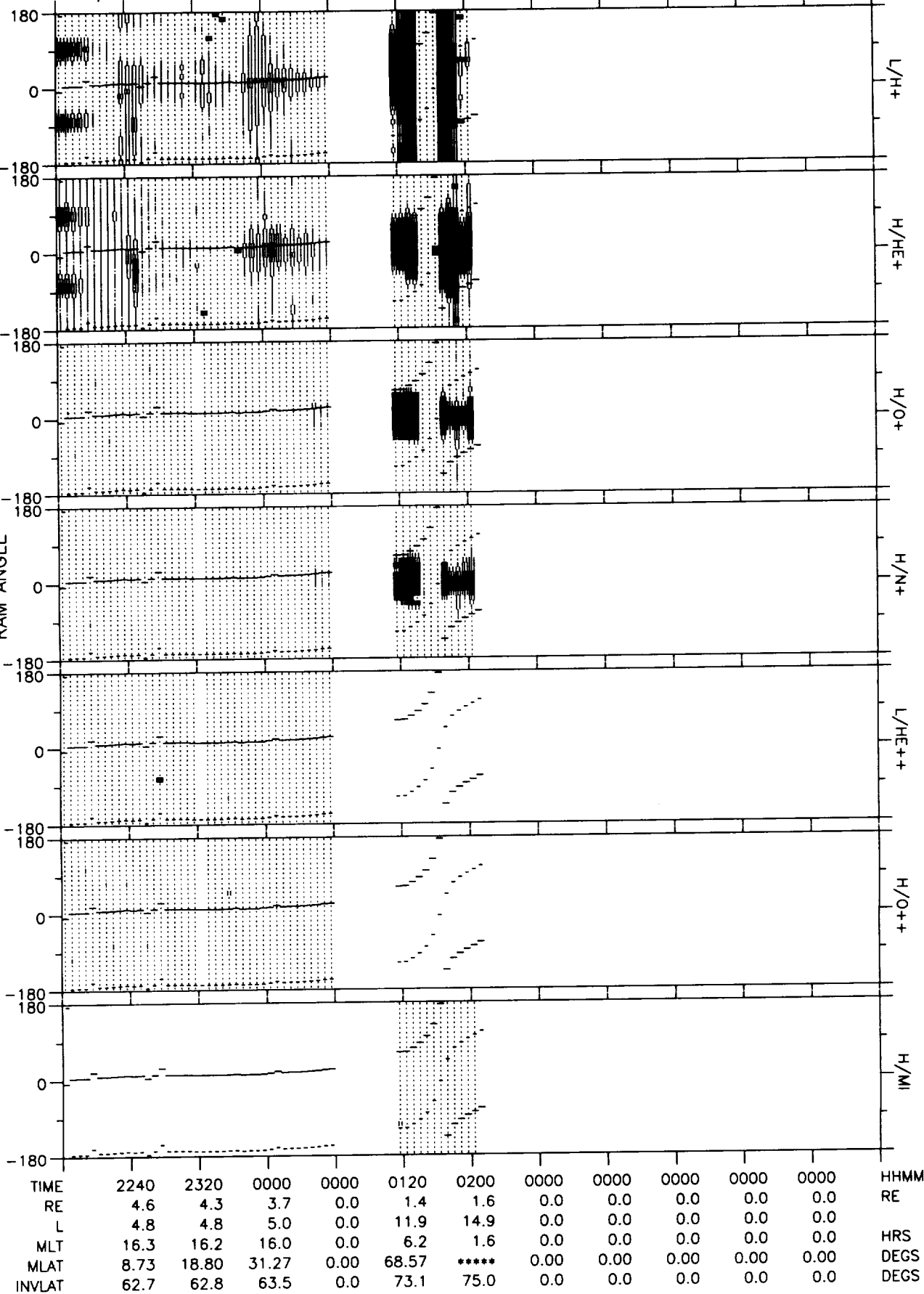
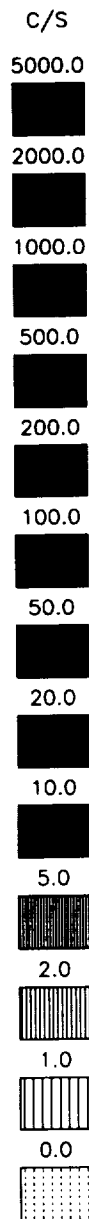
82/182 01-JUL 1500:00 - 2300:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	1540	1620	1700	1740	0000	0000	0000	0000	0000	2140	2220	HHMM
RE	4.6	4.4	3.8	3.0	0.0	0.0	0.0	0.0	0.0	4.6	4.7	RE
L	4.7	4.6	4.7	5.8	0.0	0.0	0.0	0.0	0.0	4.7	4.7	
MLT	15.9	16.1	16.4	16.7	0.0	0.0	0.0	0.0	0.0	16.4	16.4	HRS
MLAT	-0.59	12.06	26.82	45.78	0.00	0.00	0.00	0.00	0.00	-5.77	3.97	DEGS
INVLAT	62.6	62.2	62.6	65.5	0.0	0.0	0.0	0.0	0.0	62.5	62.6	DEGS

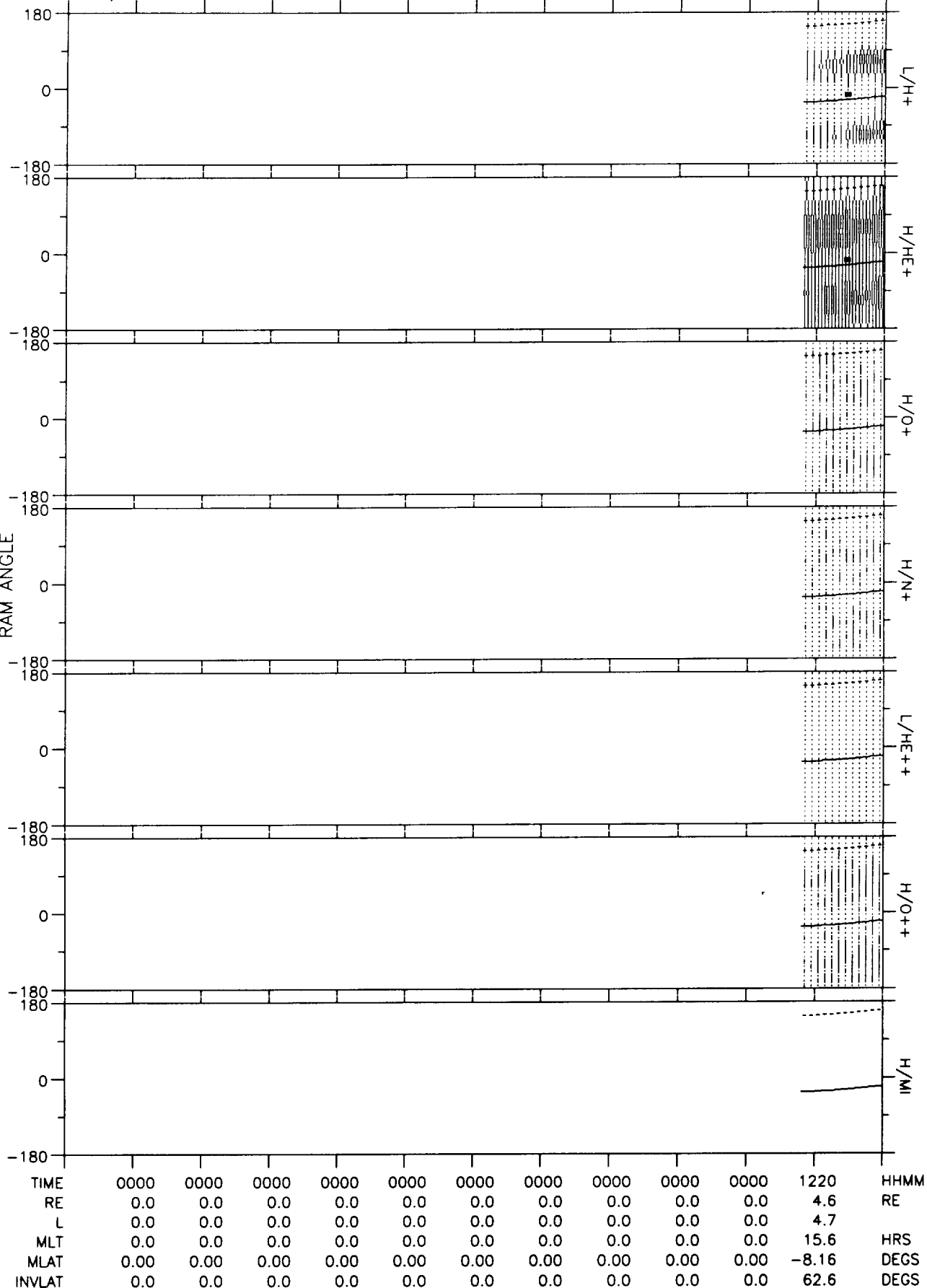
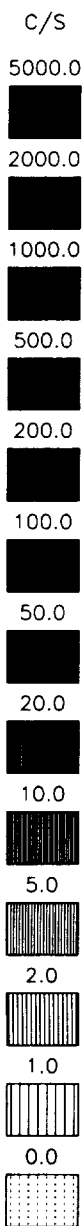
DC RMS SPIN SUMMARY
SPINRADIAL (V1.0)
Wed Oct 20 15:21:36 1993

82/182 01-JUL 2200:00 - 0600:00 HEAD= RL RPA= 0 to 1000 BIAS= A



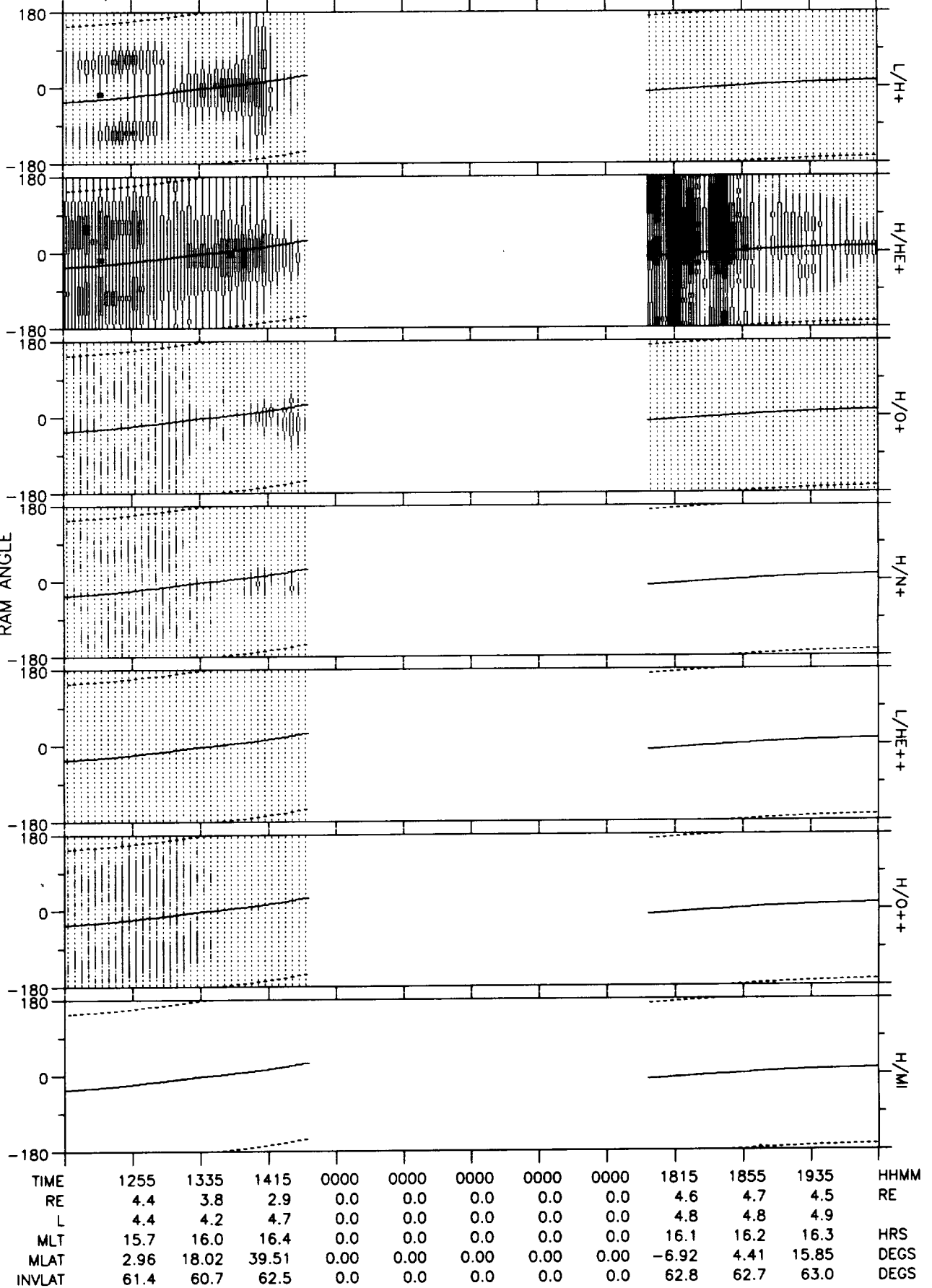
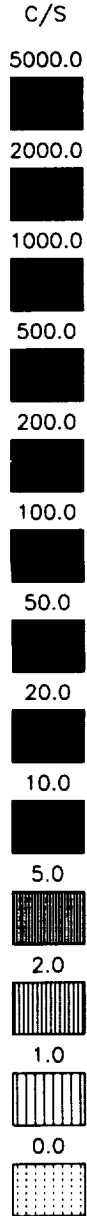
DE RIMS SPIN SUMMARY
SPIN_RADIALALL (V1.0)
Wed Oct 20 15:23:25 1993

82/183 02-JUL 0500:00 - 1300:00 HEAD= RL RPA= 0 to 1000 BIAS= A



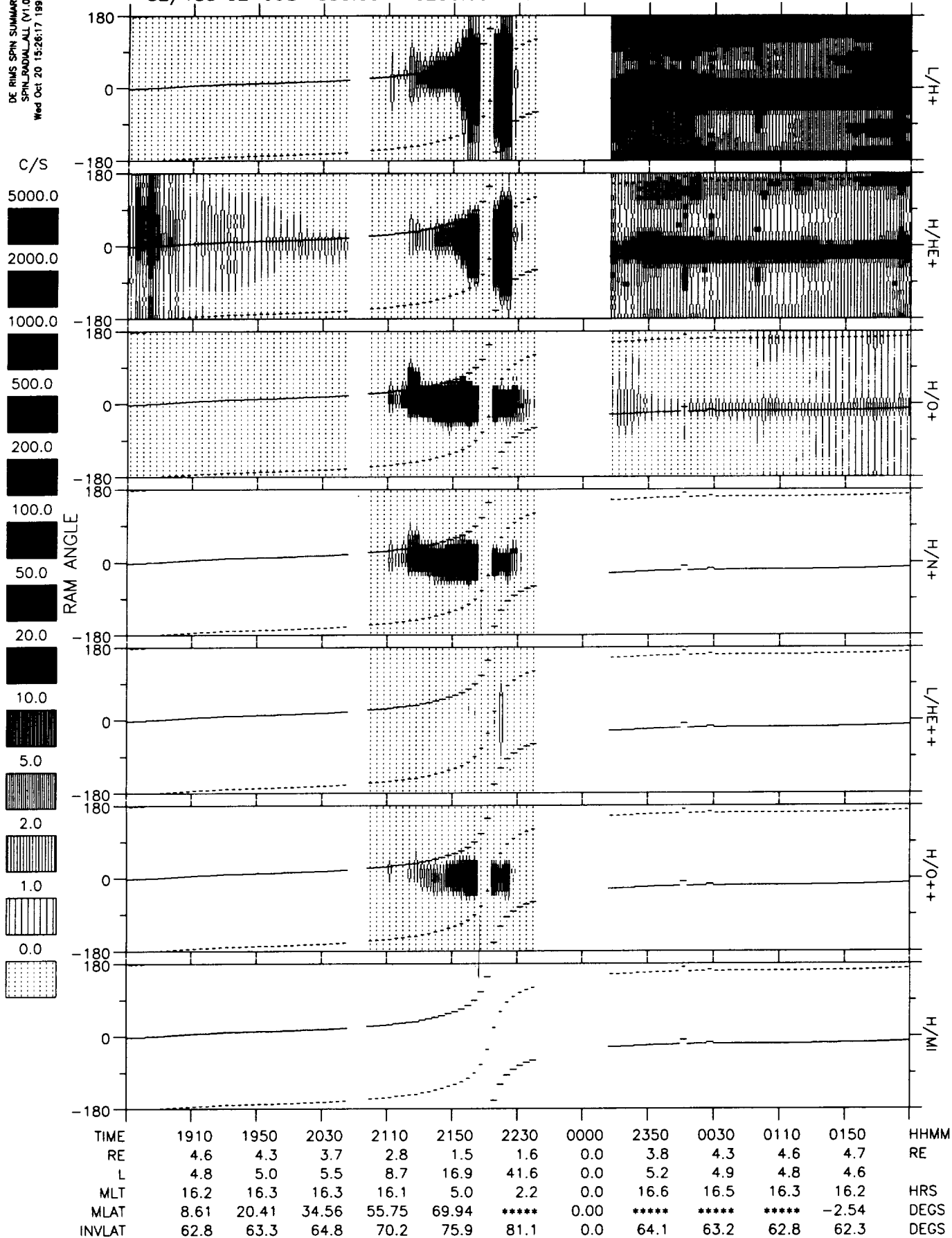
DE RMS SPIN SUMMARY
SPINRADIALALL (V1.0)
Wed Oct 20 15:24:40 1993

82/183 02-JUL 1215:00 - 2015:00 HEAD= RL RPA= 0 to 1000 BIAS= A



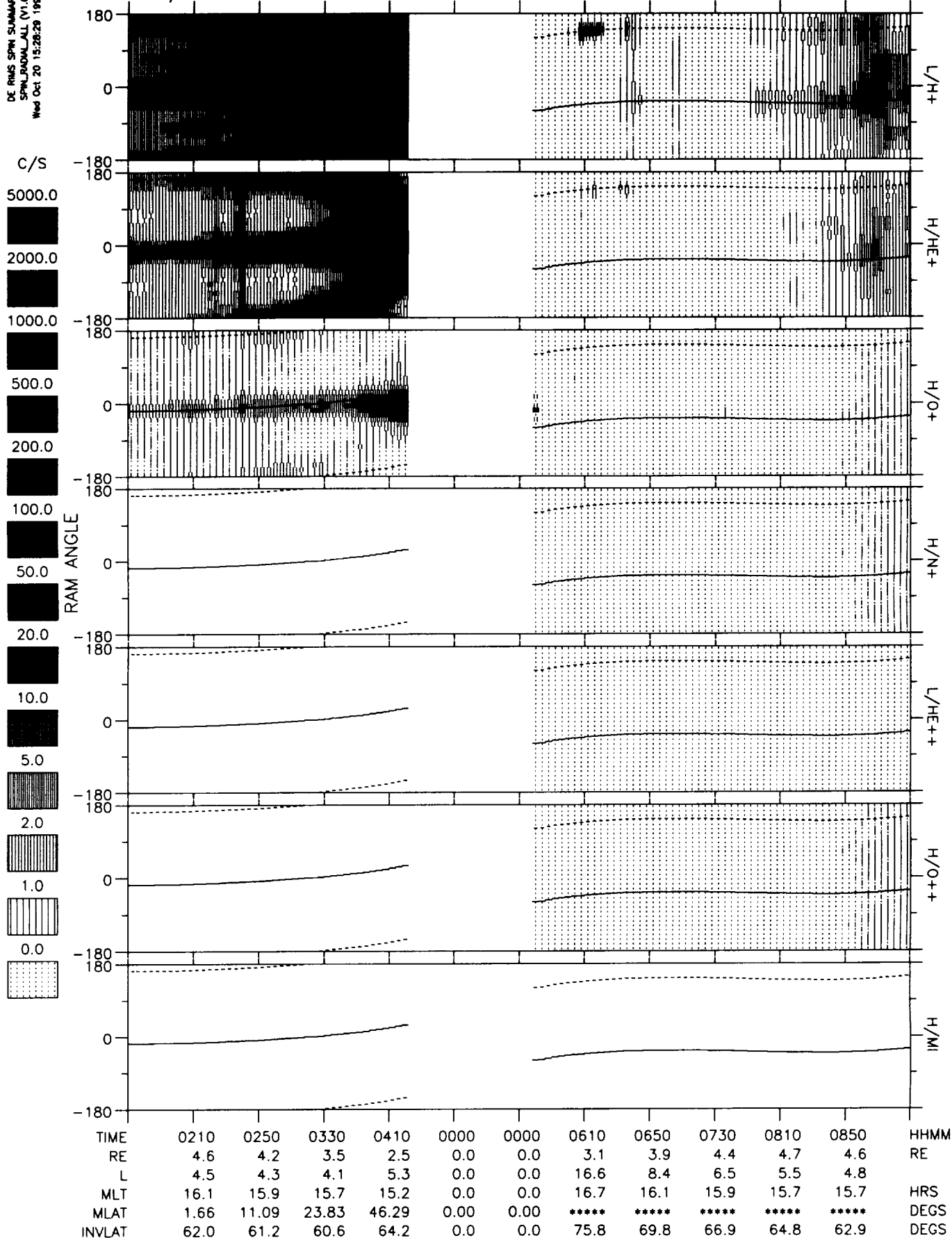
DE RUS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Wed Oct 20 15:26:17 1993

82/183 02-JUL 1830:00 - 0230:00 HEAD= RL RPA= 0 to 1000 BIAS= A



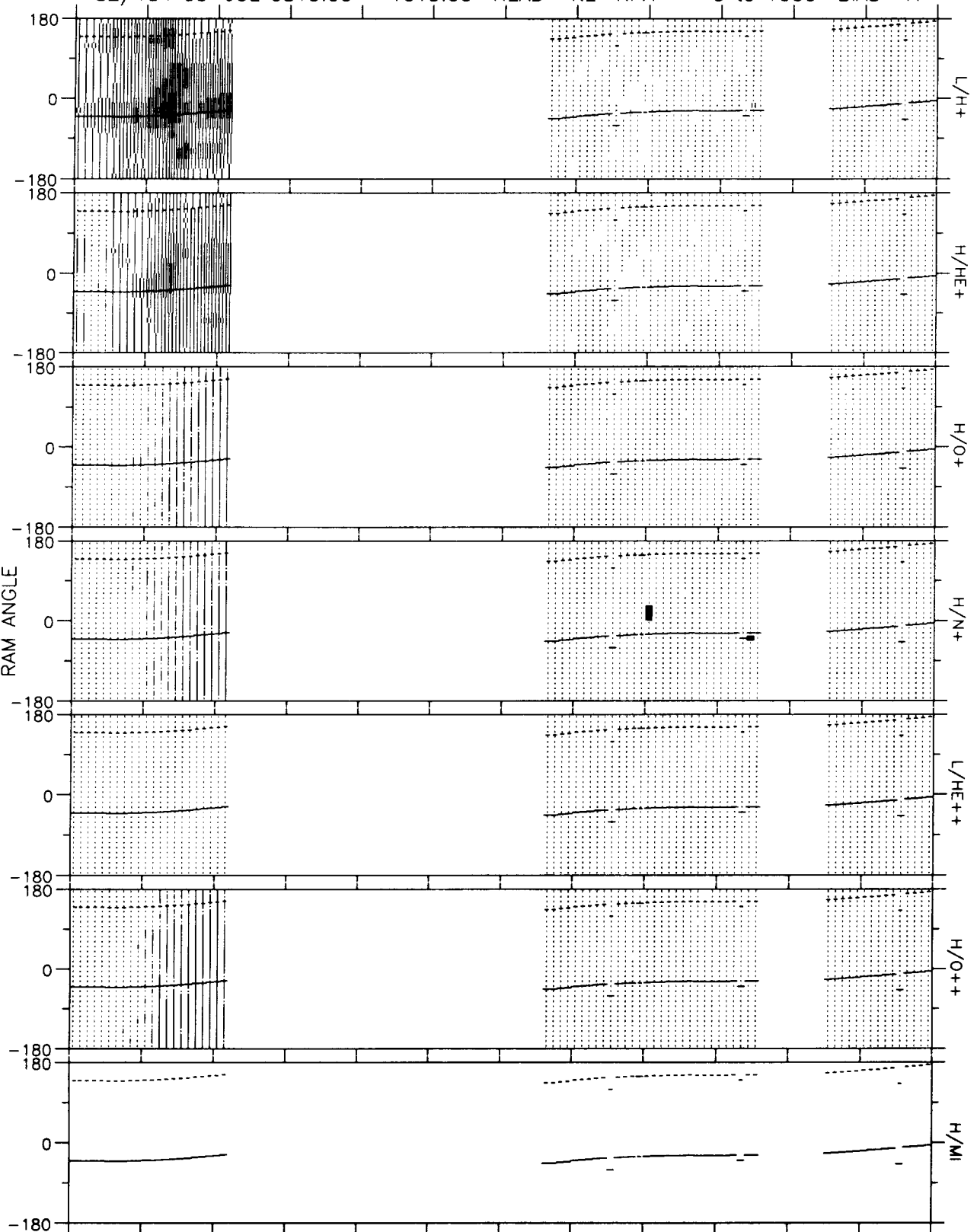
DE RMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Wed Oct 20 15:28:29 1993

82/184 03-JUL 0130:00 - 0930:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Wed Oct 20 15:30:49 1993

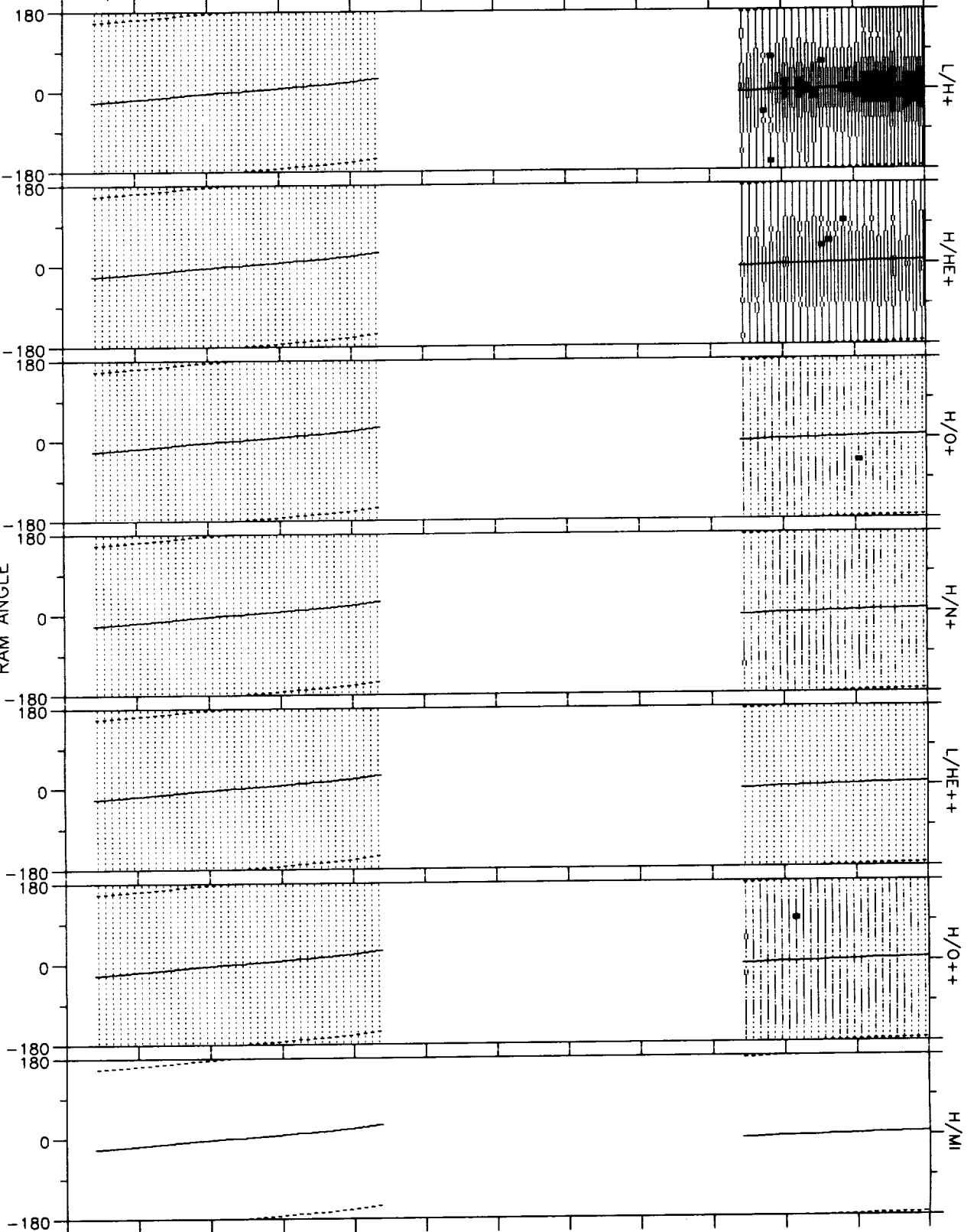
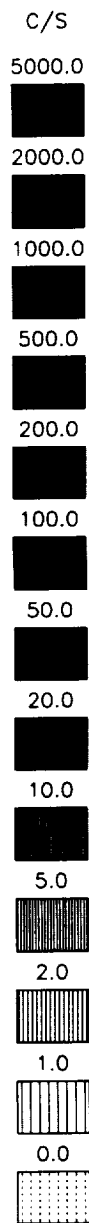
82/184 03-JUL 0815:00 - 1615:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0855	0935	0000	0000	0000	0000	1255	1335	1415	0000	1535	HHMM
RE	4.6	4.3	0.0	0.0	0.0	0.0	3.0	3.8	4.4	0.0	4.6	RE
L	4.7	4.2	0.0	0.0	0.0	0.0	13.1	6.9	5.6	0.0	4.7	
MLT	15.7	15.7	0.0	0.0	0.0	0.0	14.3	15.0	15.3	0.0	15.8	HRS
MLAT	*****	-0.89	0.00	0.00	0.00	0.00	*****	*****	*****	0.00	-1.05	DEGS
INVLAT	62.6	60.8	0.0	0.0	0.0	0.0	74.0	67.7	65.1	0.0	62.6	DEGS

DE RINS SPIN SUMMARY
SPINRADIAL.ALL (V1.0)
Wed Oct 20 15:32:30 1993

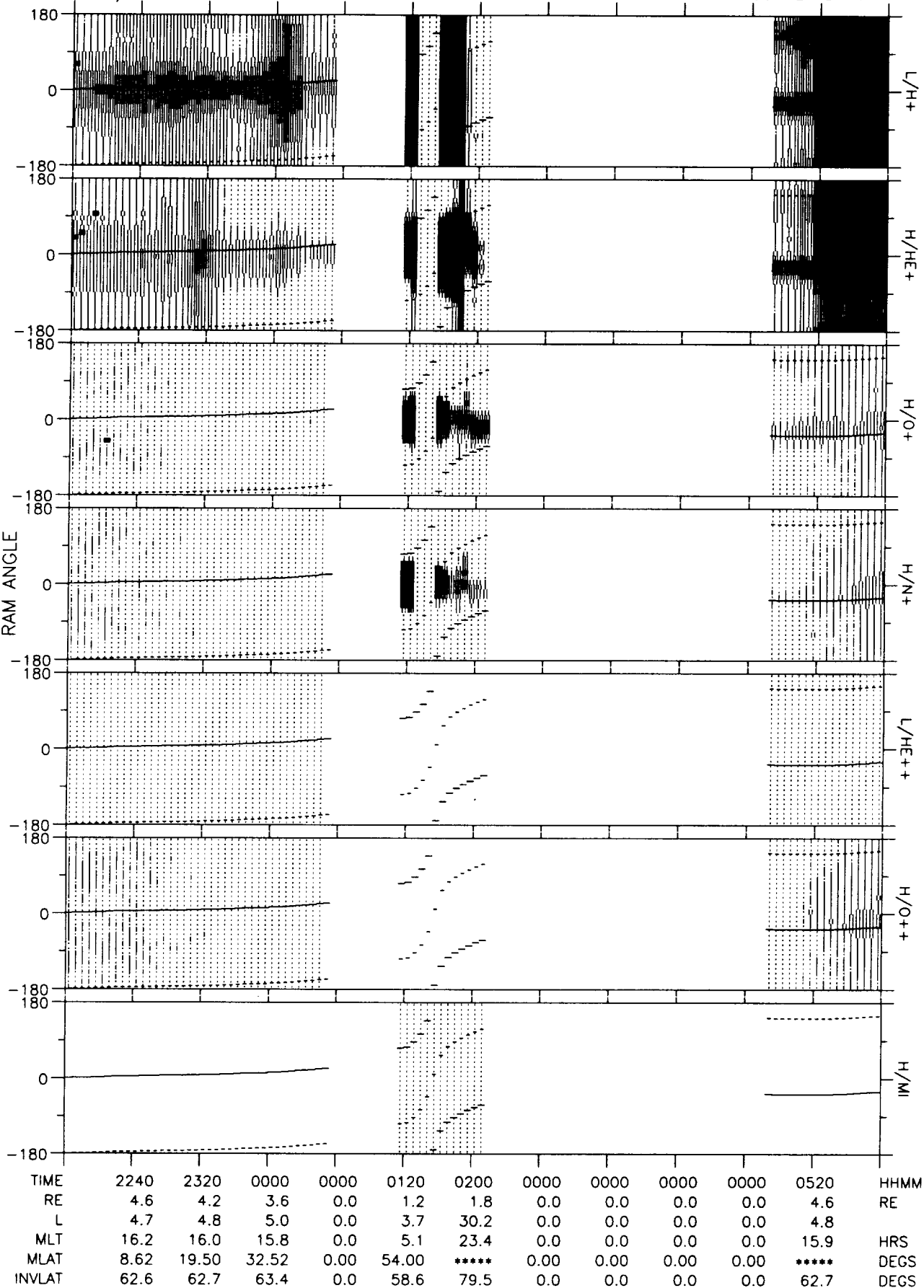
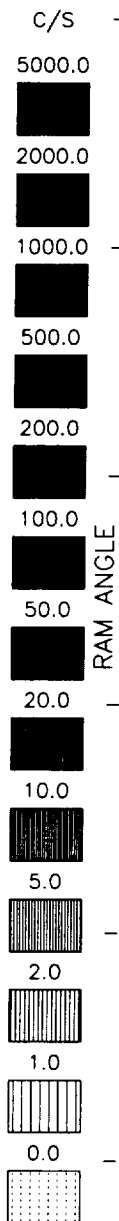
82/184 03-JUL 1500:00 - 2300:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	1540	1620	1700	1740	0000	0000	0000	0000	0000	2140	2220	HHMM
RE	4.6	4.3	3.8	2.8	0.0	0.0	0.0	0.0	0.0	4.6	4.7	RE
L	4.7	4.6	4.7	6.4	0.0	0.0	0.0	0.0	0.0	4.7	4.7	
MLT	15.8	16.0	16.3	16.6	0.0	0.0	0.0	0.0	0.0	16.3	16.2	HRS
MLAT	0.44	13.26	28.47	50.45	0.00	0.00	0.00	0.00	0.00	-5.13	4.50	DEGS
INVLAT	62.5	62.1	62.6	66.7	0.0	0.0	0.0	0.0	0.0	62.5	62.6	DEGS

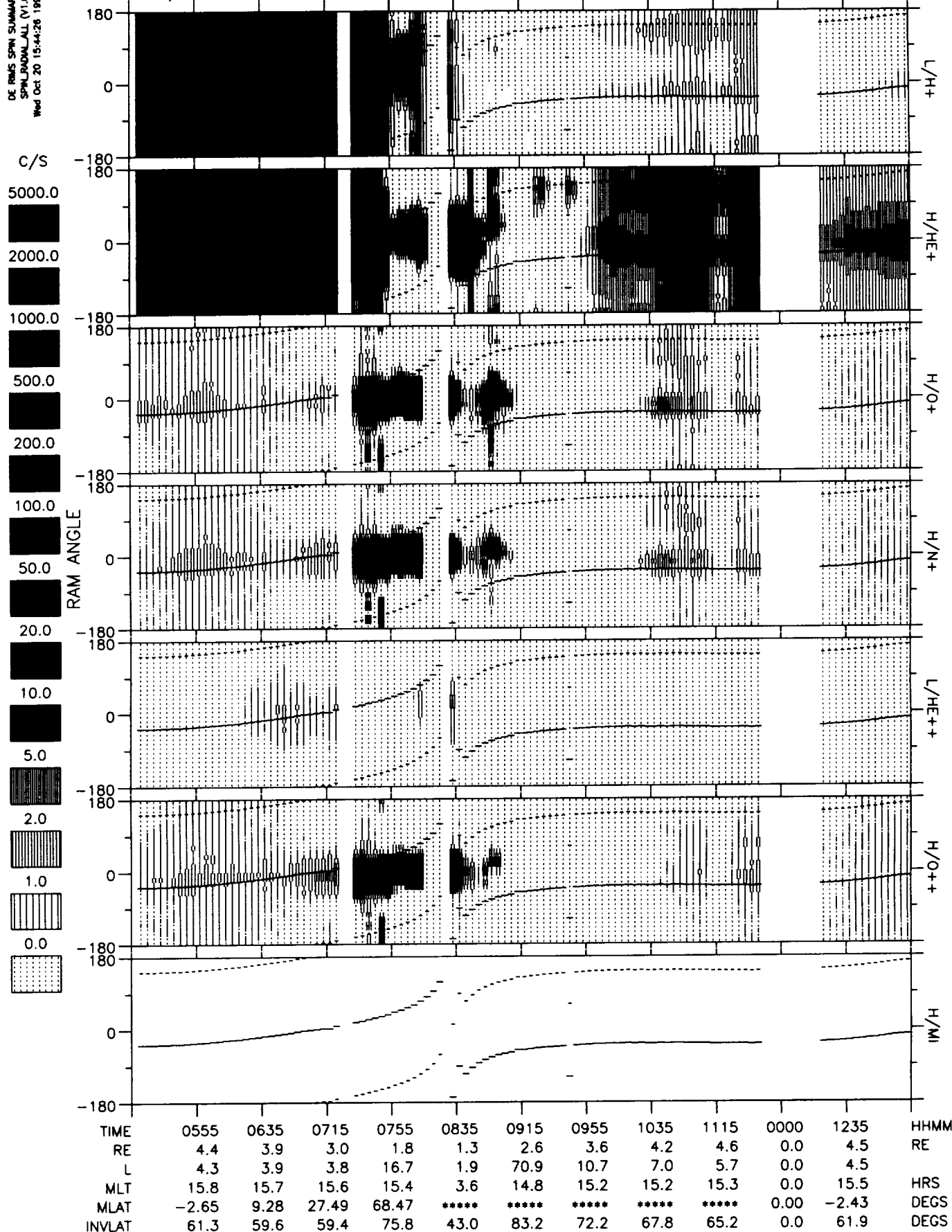
DE RIMS SPIN SUMMARY
SPIN/RADIAL ALL (V1.0)
Wed Oct 20 15:34:11 1993

82/184 03-JUL 2200:00 - 0600:00 HEAD= RL RPA= 0 to 1000 BIAS= A



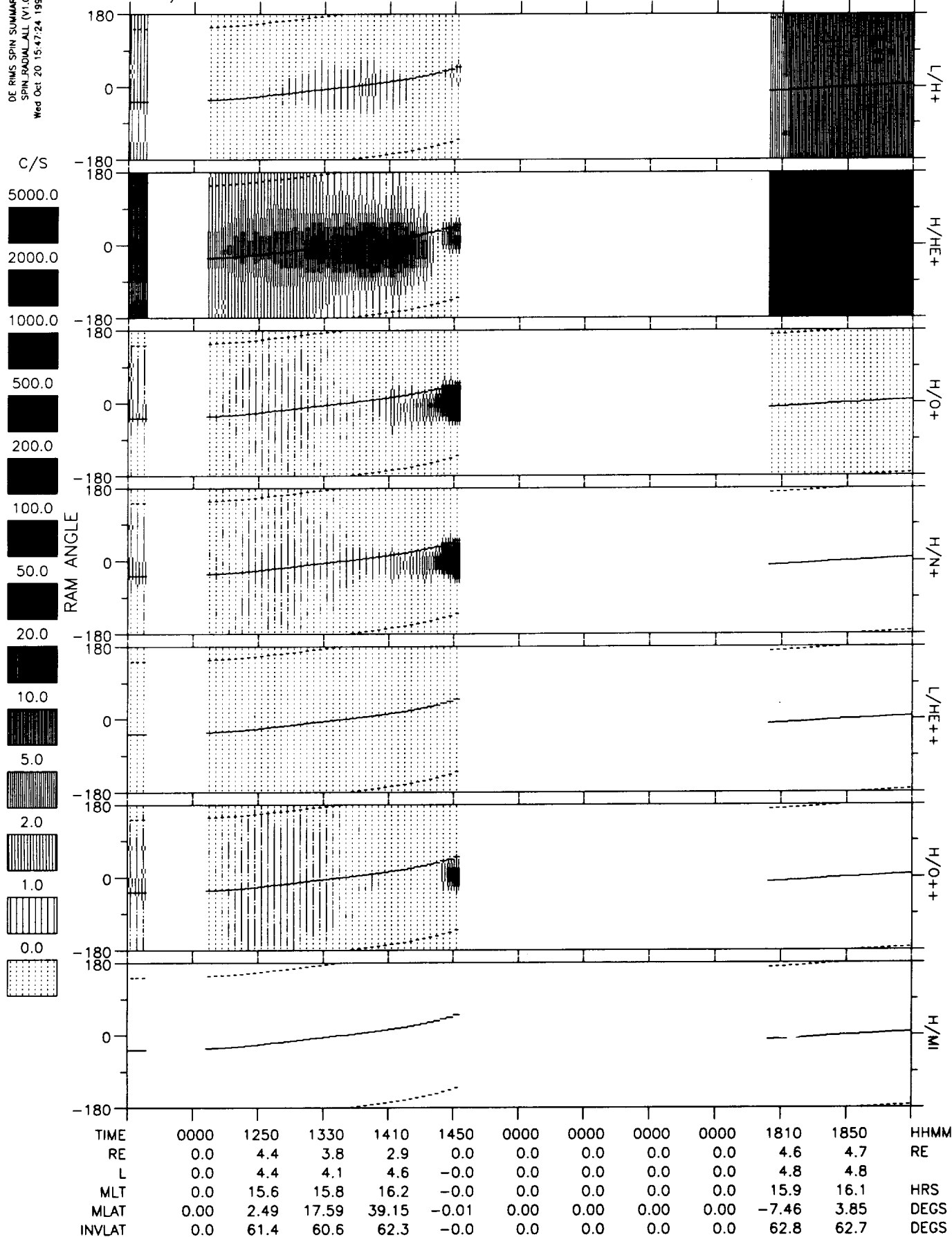
DE RIMS SPIN SUMMARY
SPIN/RAJAL/ALL (V1.0)
Wed Oct 20 15:44:26 1993

82/185 04-JUL 0515:00 - 1315:00 HEAD= RL RPA= 0 to 1000 BIAS= A



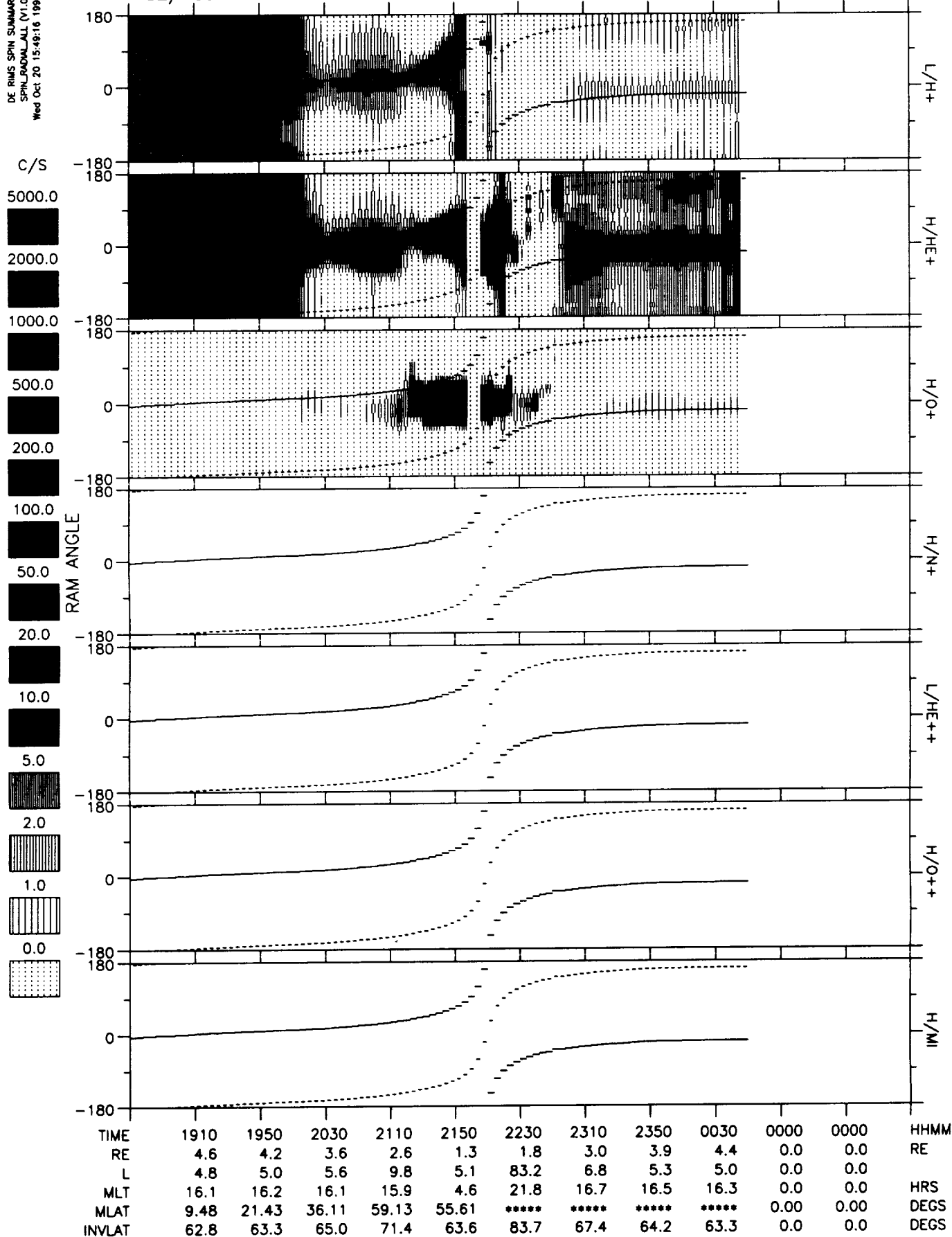
DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Wed Oct 20 15:47/24 1993

82/185 04-JUL 1130:00 - 1930:00 HEAD= RL RPA= 0 to 1000 BIAS= A



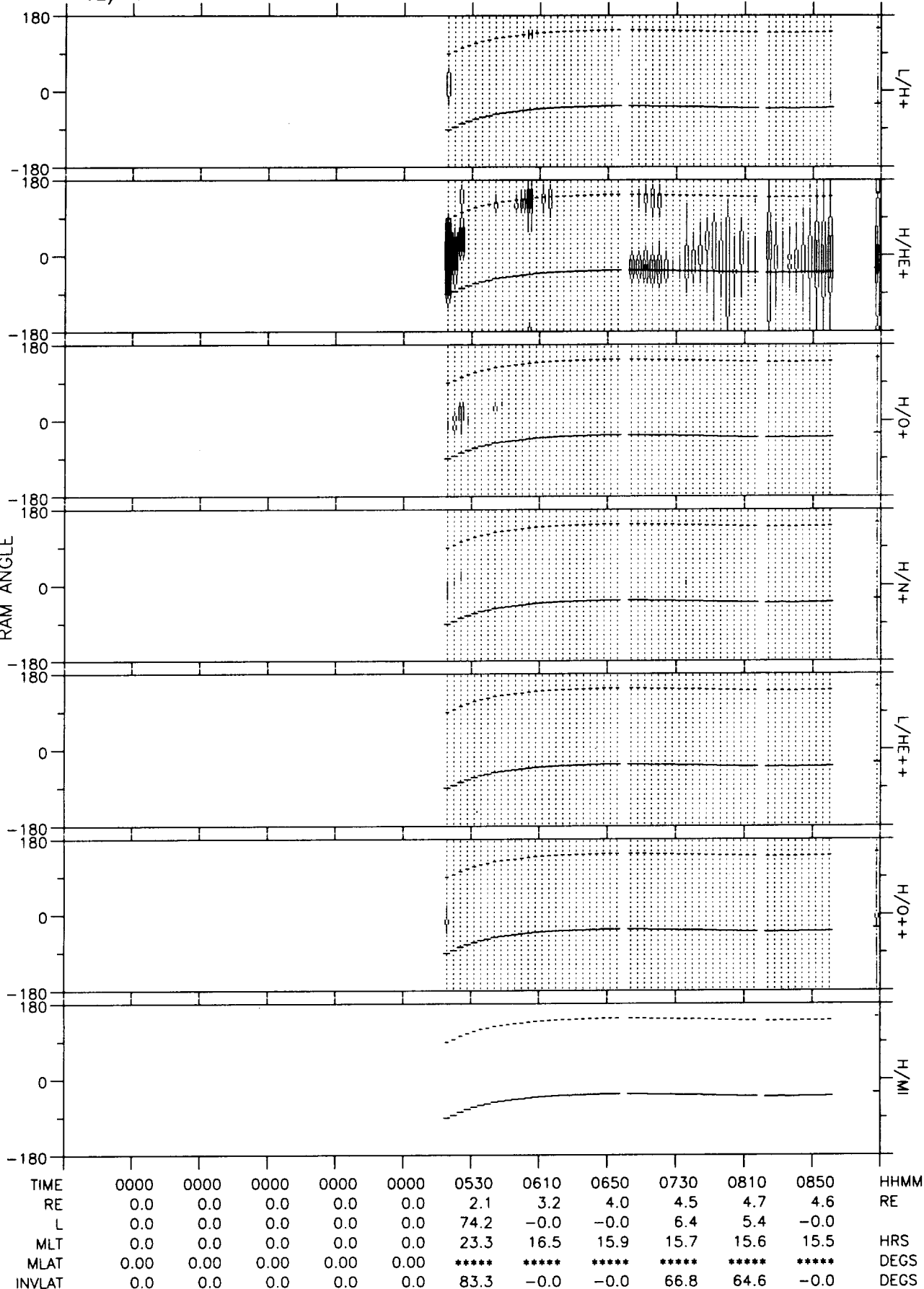
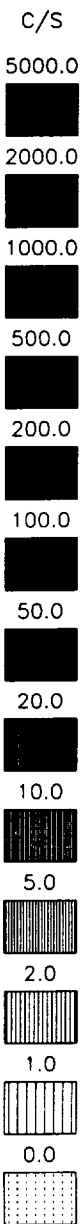
DE RIMS SPIN SUMMARY
SPINRADIAL.ALL (V1.0)
Wed Oct 20 15:49:16 1993

82/185 04-JUL 1830:00 - 0230:00 HEAD= RL RPA= 0 to 1000 BIAS= A



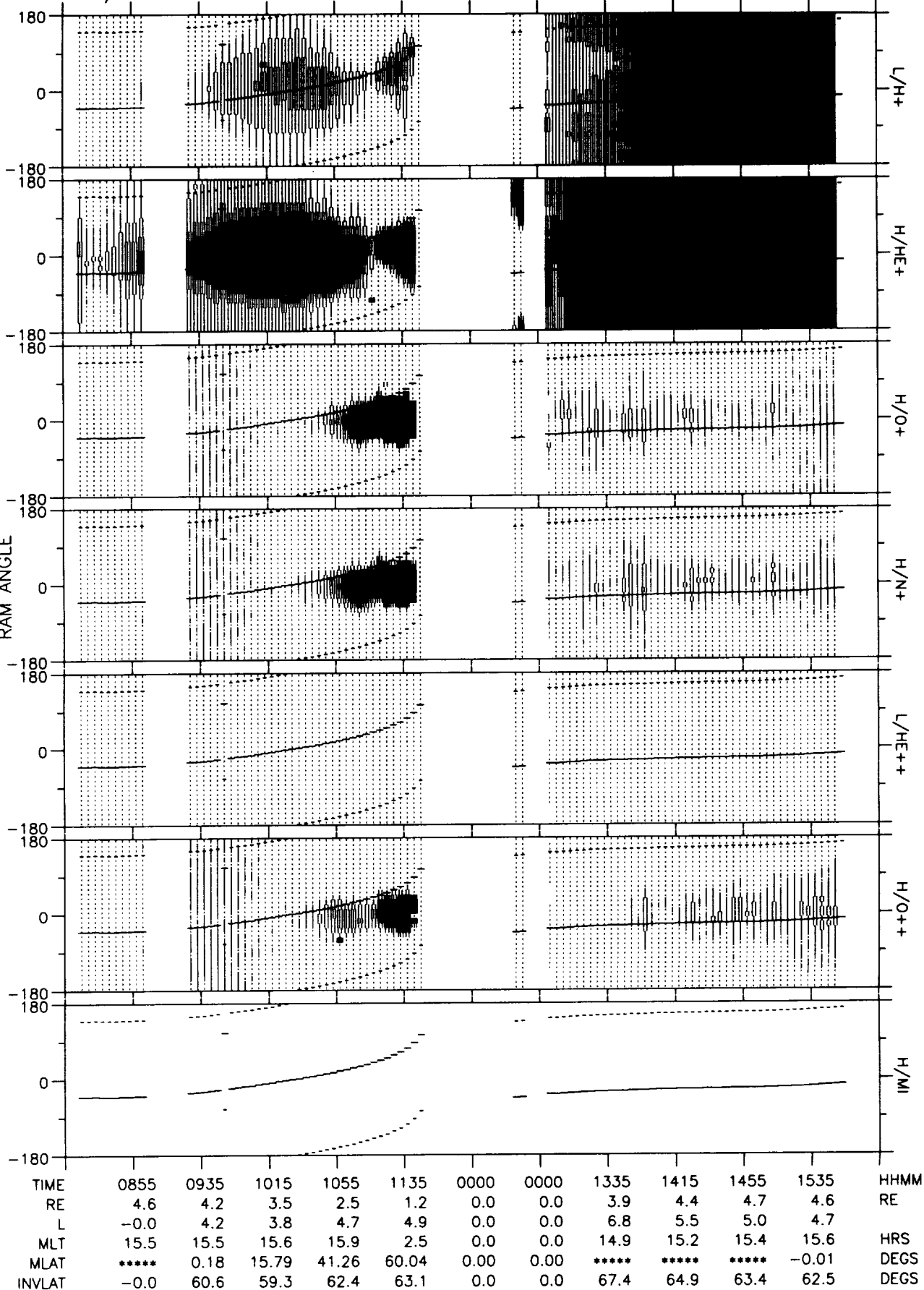
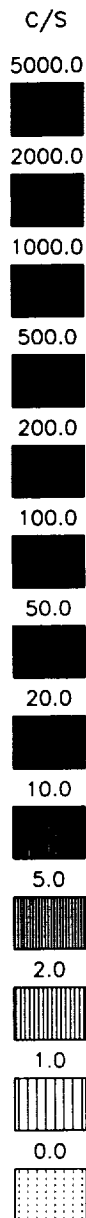
DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Wed Oct 20 15:31:20 1993

82/186 05-JUL 0130:00 - 0930:00 HEAD= RL RPA= 0 to 1000 BIAS= A



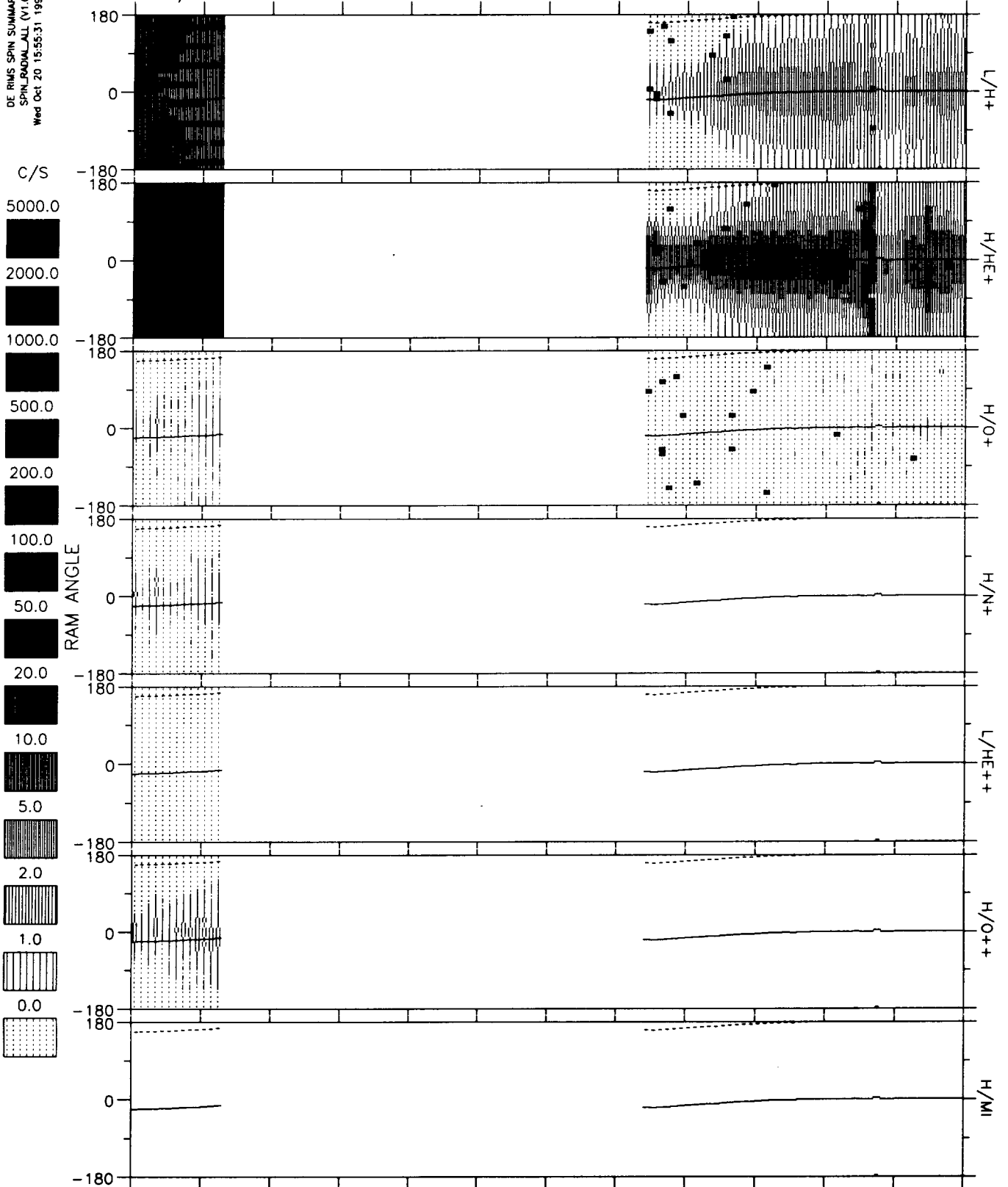
DE RMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Wed Oct 20 15:52:54 1993

82/186 05-JUL 0815:00 - 1615:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Wed Oct 20 15:55:31 1993

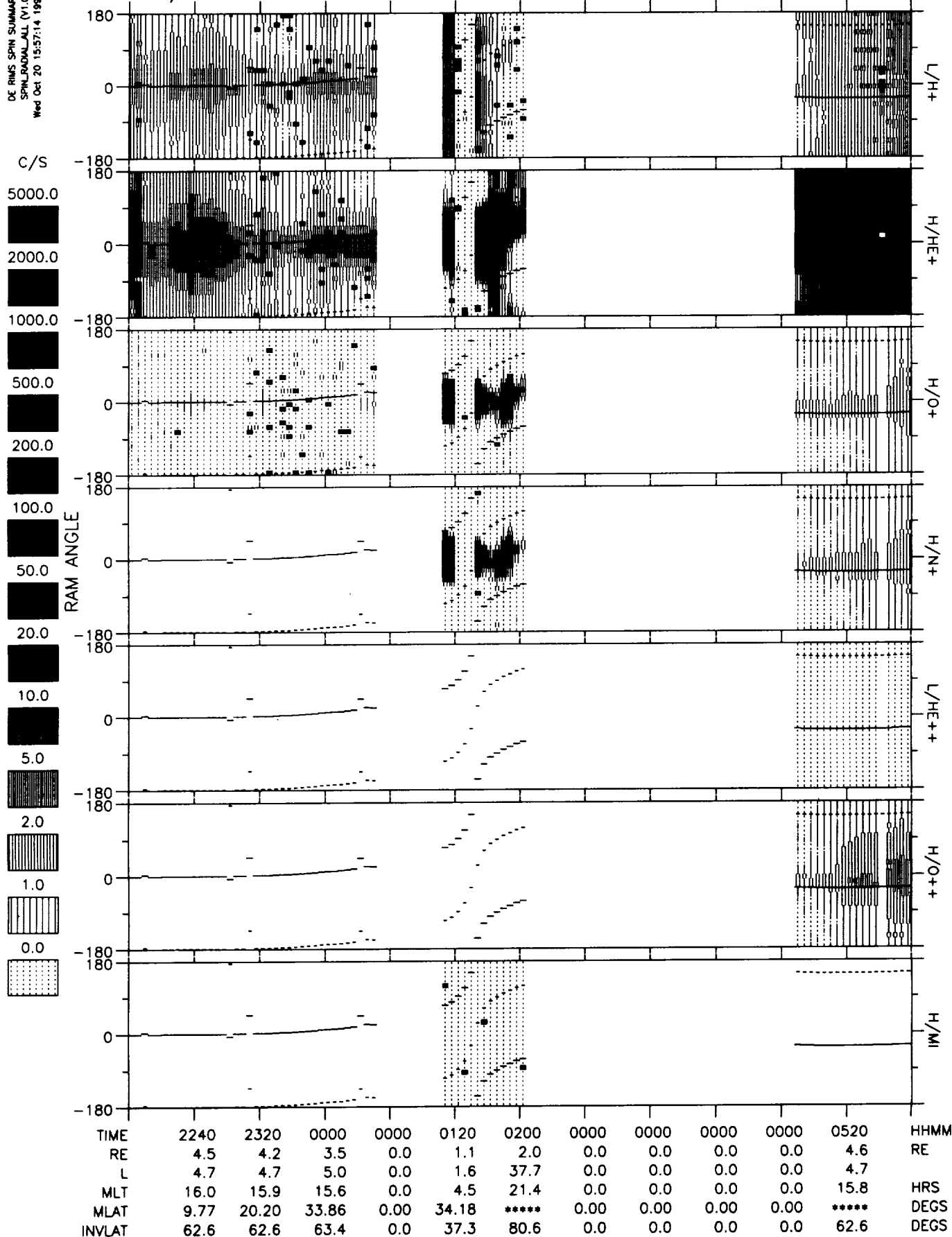
82/186 05-JUL 1500:00 - 2300:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	1540	0000	0000	0000	0000	0000	0000	2020	2100	2140	2220	HHMM
RE	4.6	0.0	0.0	0.0	0.0	0.0	0.0	3.8	4.4	4.6	4.6	RE
L	4.7	0.0	0.0	0.0	0.0	0.0	0.0	5.0	4.7	4.7	4.7	
MLT	15.7	0.0	0.0	0.0	0.0	0.0	0.0	16.1	16.1	16.1	16.1	HRS
MLAT	1.54	0.00	0.00	0.00	0.00	0.00	0.00	*****	*****	-4.56	4.99	DEGS
INVLAT	62.4	0.0	0.0	0.0	0.0	0.0	0.0	63.3	62.6	62.5	62.6	DEGS

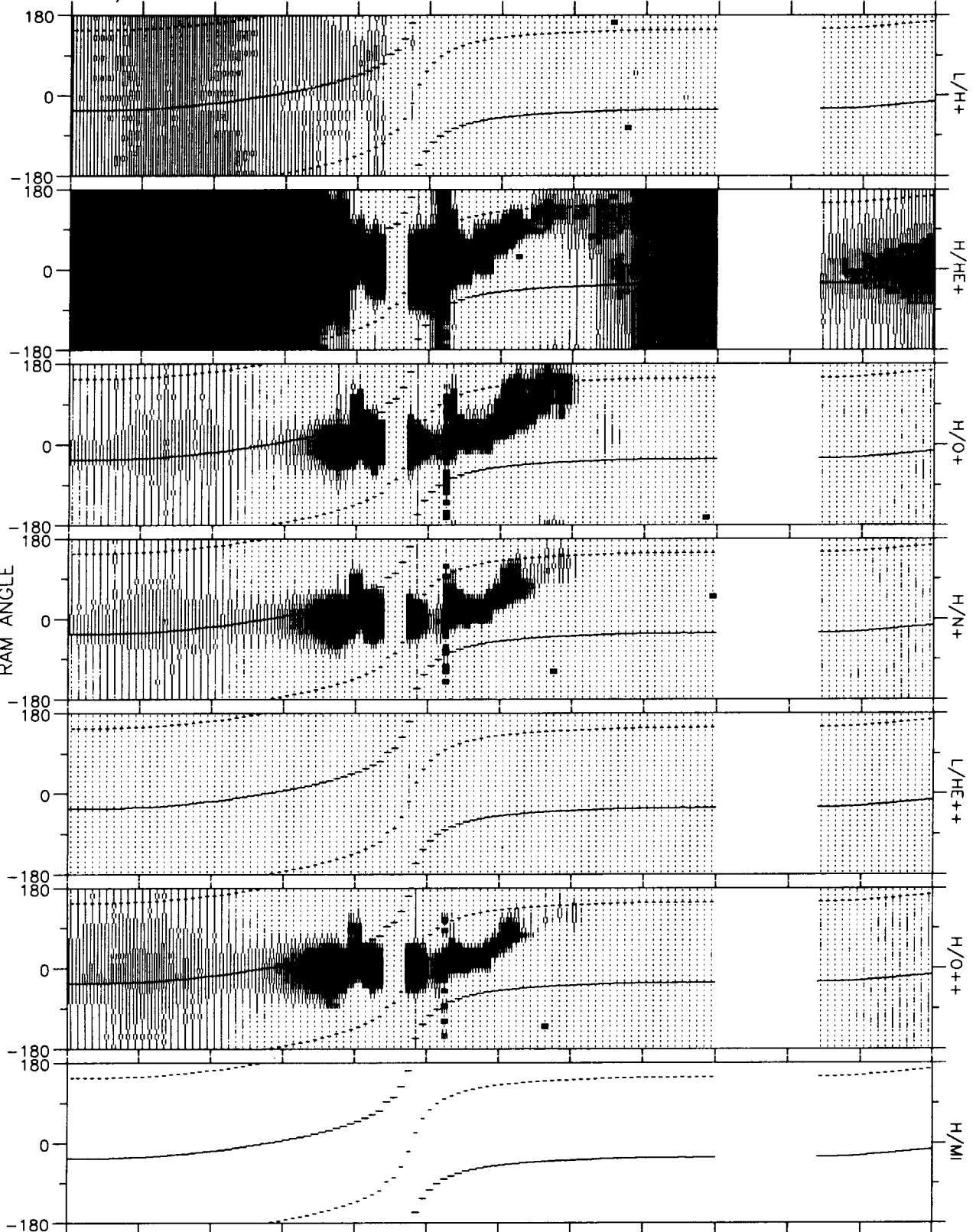
DE RMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Wed Oct 20 15:57:14 1993

82/186 05-JUL 2200:00 - 0600:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RMS SPIN SUMMARY
SPINRADIAL (V1.0)
Wed Oct 20 15:59:07 1993

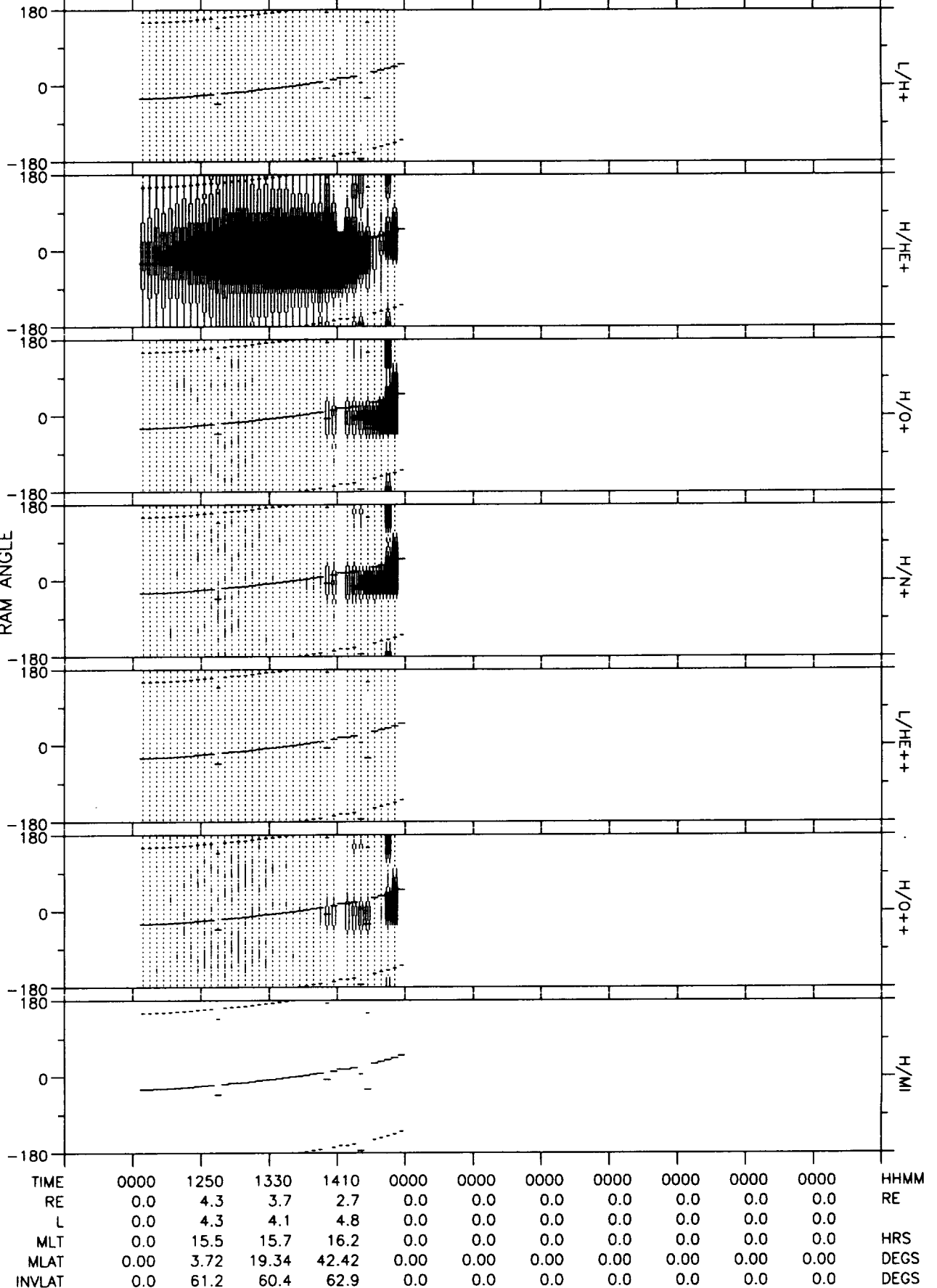
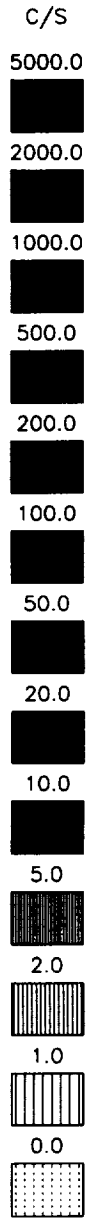
82/187 06-JUL 0515:00 - 1315:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0555	0635	0715	0755	0835	0915	0955	1035	0000	0000	1235	HHMM
RE	4.3	3.8	2.9	1.6	1.5	2.8	3.7	4.3	0.0	0.0	4.4	RE
L	4.3	3.8	3.9	64.4	3.3	43.2	10.1	6.9	0.0	0.0	4.5	
MLT	15.6	15.5	15.4	15.1	3.6	14.8	15.0	15.1	0.0	0.0	15.4	HRS
MLAT	-2.00	10.48	30.17	78.55	*****	*****	*****	*****	0.00	0.00	-1.27	DEGS
INVLAT	61.1	59.4	59.5	82.8	56.9	81.2	71.7	67.6	0.0	0.0	61.7	DEGS

DE RMS SPIN SUMMARY
SPIN RADIAL AL (V1.0)
Wed Oct 20 16:02:03 1993

82/187 06-JUL 1130:00 - 1930:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Wed Oct 20 16:03:31 1993

82/188 07-JUL 0800:00 - 1600:00 HEAD= RL RPA= 0 to 1000 BIAS= A

C/S

5000.0

2000.0

1000.0

500.0

200.0

100.0

50.0

20.0

10.0

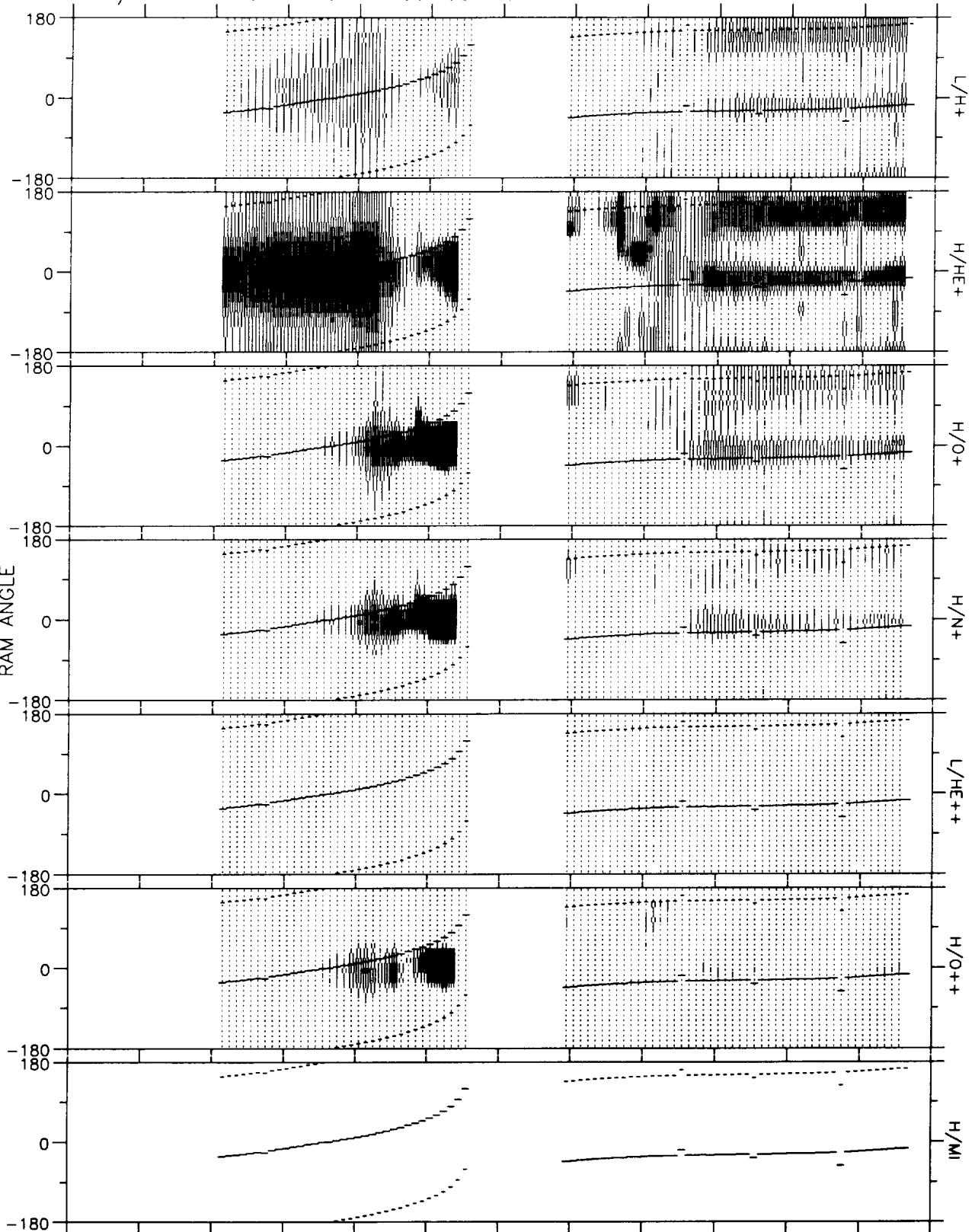
5.0

2.0

1.0

0.0

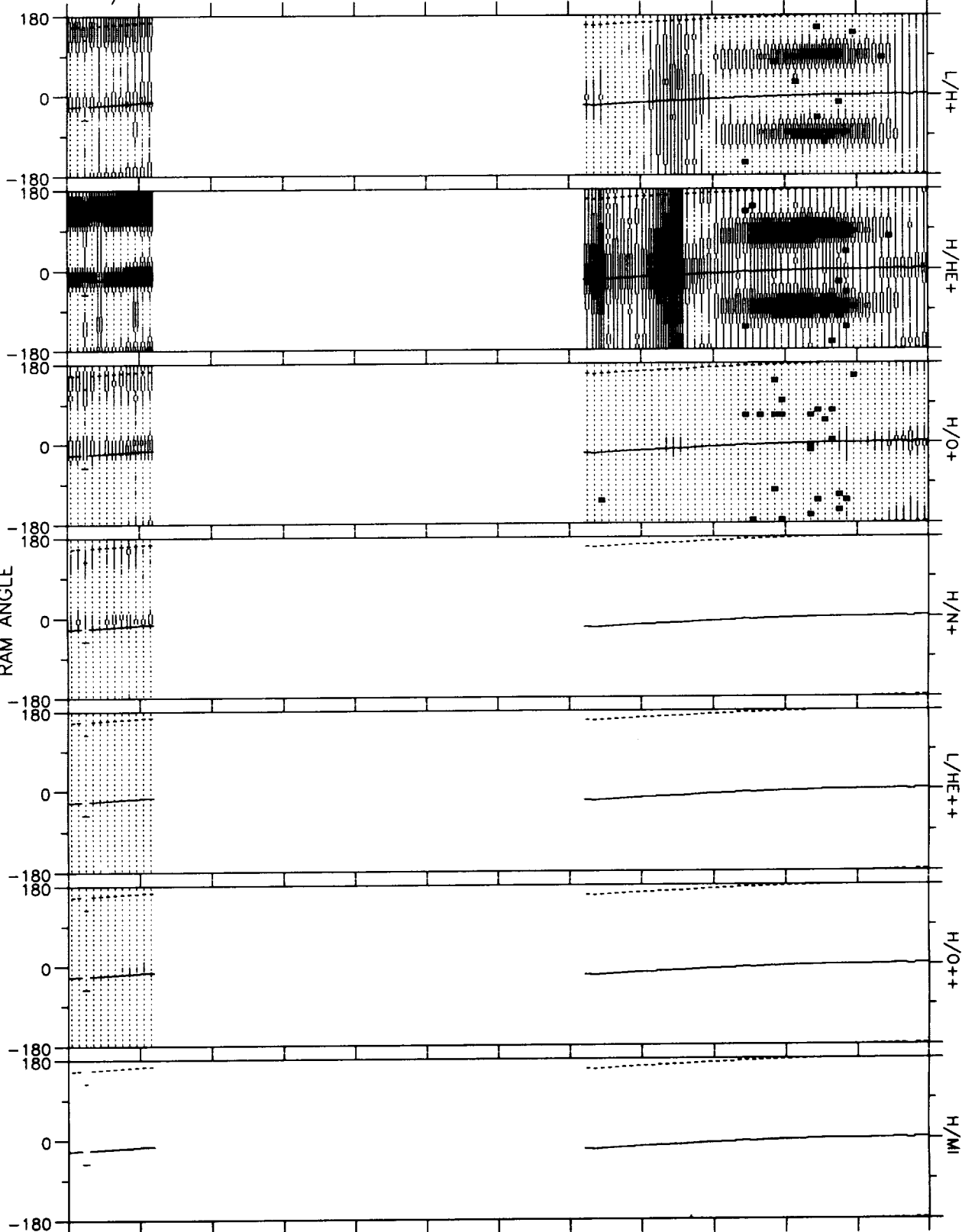
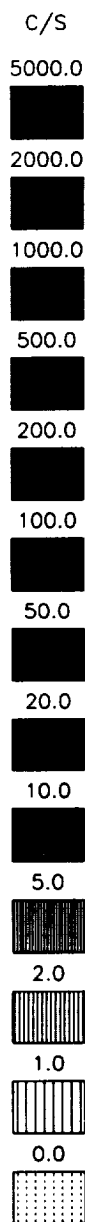
RAM ANGLE



TIME	0000	0000	1000	1040	1120	0000	1240	1320	1400	1440	1520	HHMM
RE	0.0	0.0	3.7	2.8	1.5	0.0	2.8	3.8	4.3	4.6	4.7	RE
L	0.0	0.0	3.8	4.1	99.6	0.0	16.4	7.5	5.8	5.1	4.8	
MLT	0.0	0.0	15.4	15.7	20.0	0.0	13.8	14.6	15.0	15.2	15.4	HRS
MLAT	0.00	0.00	10.82	32.71	81.22	0.00	*****	*****	*****	*****	-3.52	DEGS
INVLAT	0.0	0.0	59.4	60.2	84.9	0.0	75.7	68.6	65.5	63.8	62.7	DEGS

DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Wed Oct 20 20:17:46 1993

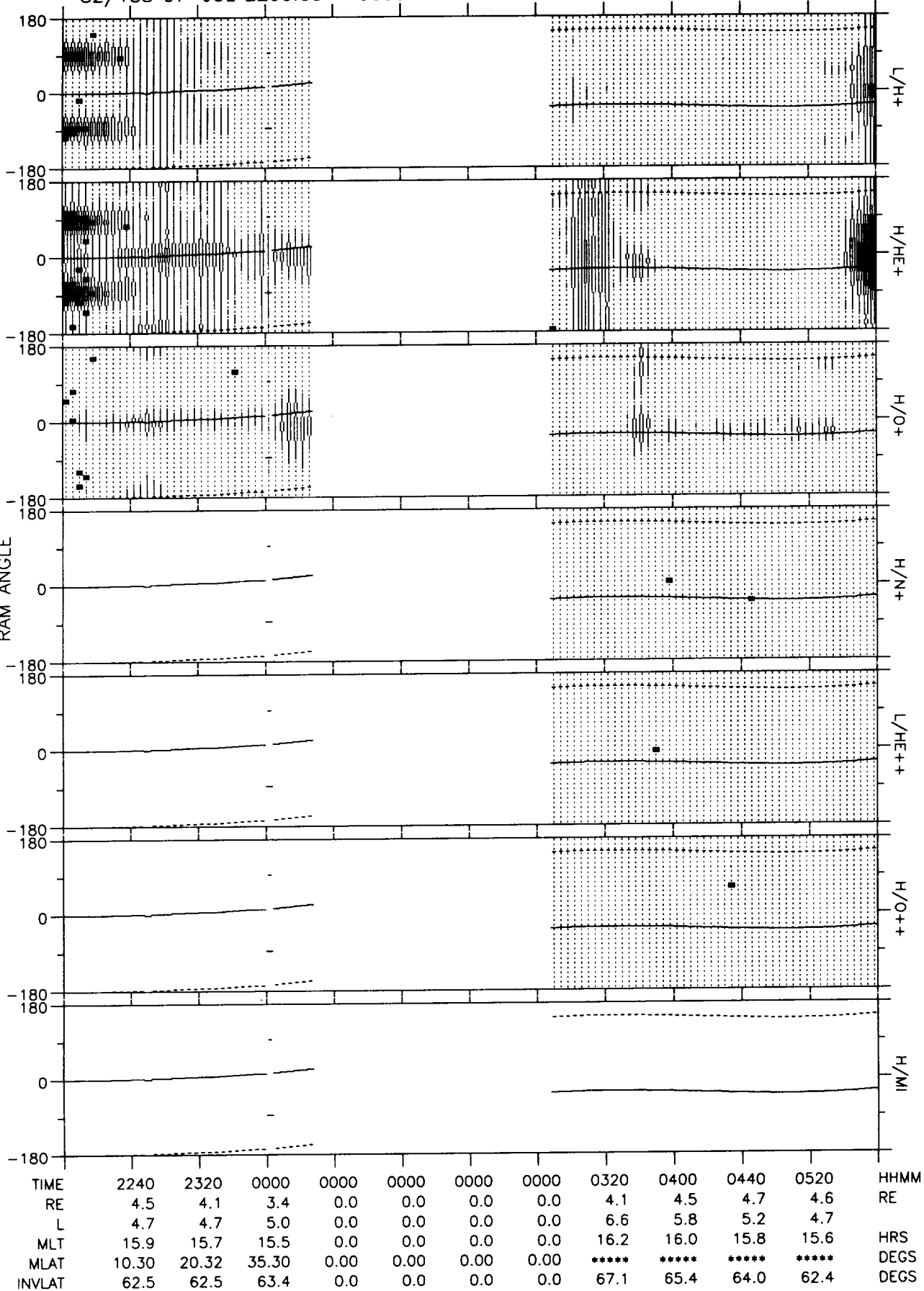
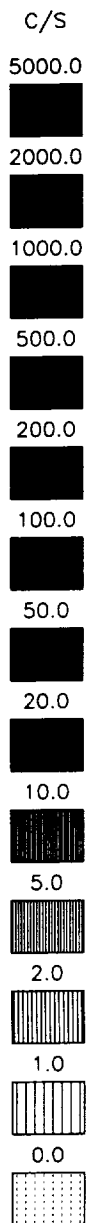
82/188 07-JUL 1500:00 - 2300:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	1540	0000	0000	0000	0000	0000	0000	2020	2100	2140	2220	HHMM
RE	4.6	0.0	0.0	0.0	0.0	0.0	0.0	3.9	4.4	4.7	4.6	RE
L	4.6	0.0	0.0	0.0	0.0	0.0	0.0	4.9	4.7	4.7	4.7	
MLT	15.5	0.0	0.0	0.0	0.0	0.0	0.0	15.9	16.0	16.0	15.9	HRS
MLAT	2.61	0.00	0.00	0.00	0.00	0.00	0.00	*****	*****	-4.00	5.50	DEGS
INVLAT	62.3	0.0	0.0	0.0	0.0	0.0	0.0	63.3	62.7	62.6	62.5	DEGS

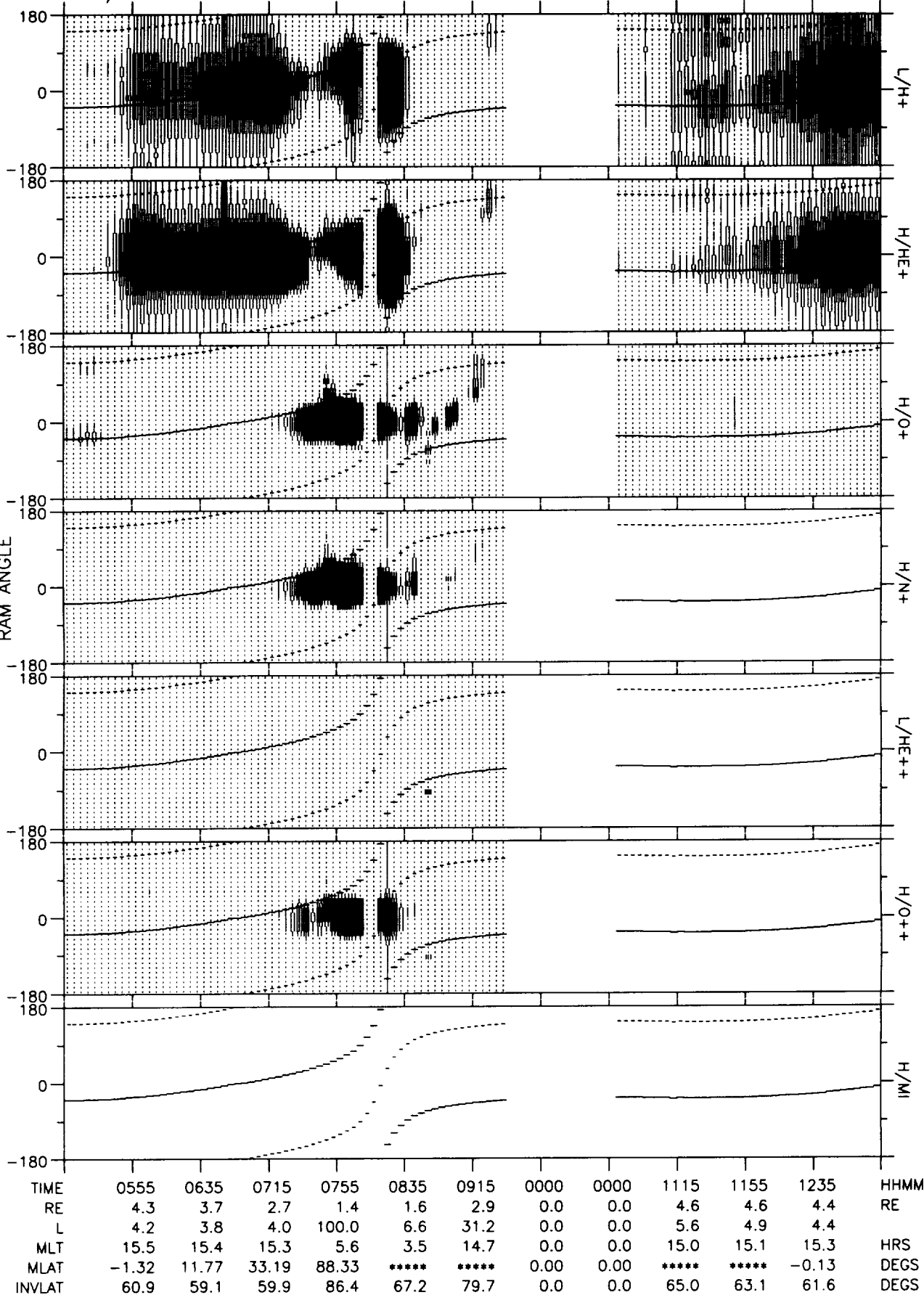
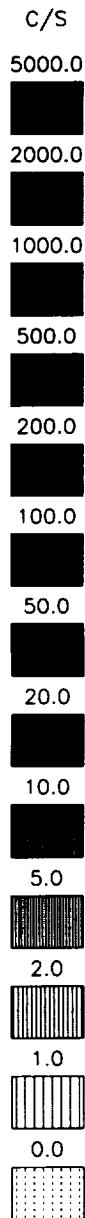
DE RIMS SPIN SUMMARY
SPINRADIAL (V1.0)
Wed Oct 20 20:19:22 1993

82/188 07-JUL 2200:00 - 0600:00 HEAD= RL RPA= 0 to 1000 BIAS= A



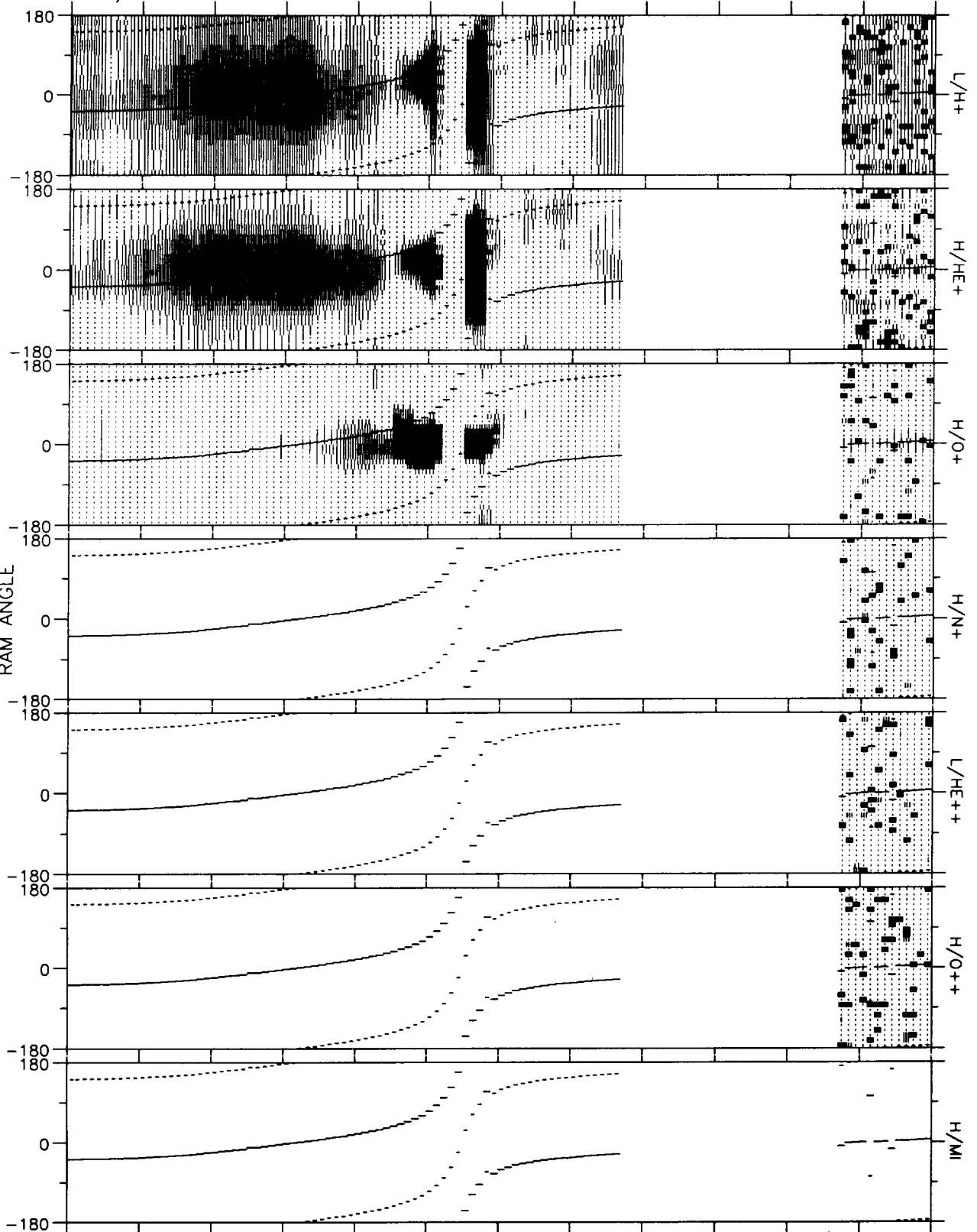
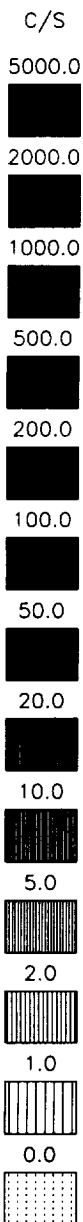
DE RUS SPIN SUMMARY
SPINRADIAL (V1.0)
Wed Oct 20 20:21:11 1993

82/189 08-JUL 0515:00 - 1315:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Wed Oct 20 20:23:33 1993

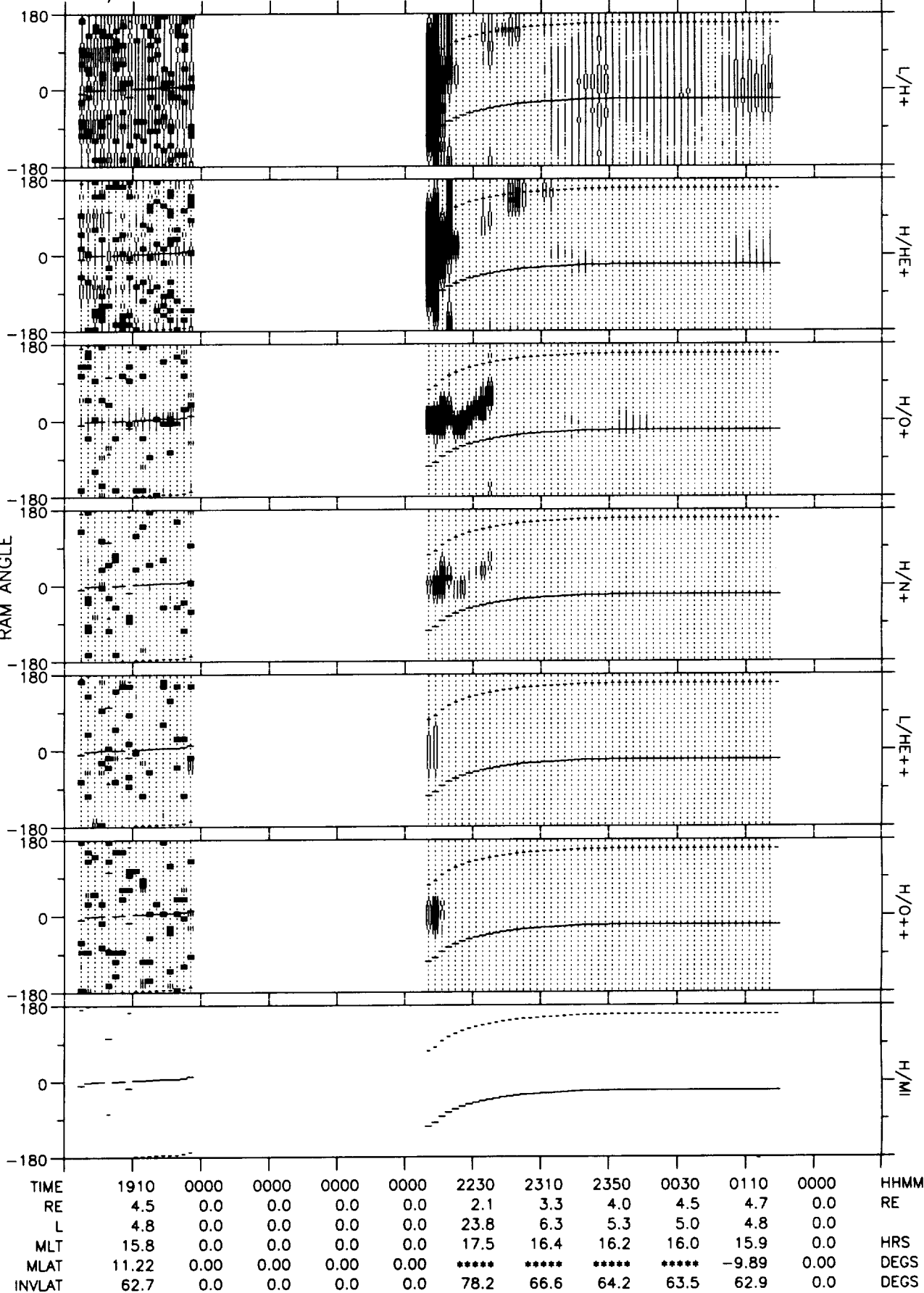
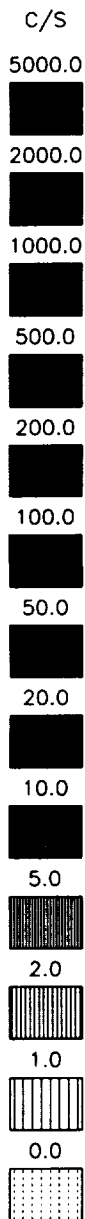
82/189 08-JUL 1130:00 - 1930:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	1210	1250	1330	1410	1450	1530	1610	0000	0000	0000	1850	HHMM
RE	4.6	4.2	3.6	2.6	1.3	1.8	3.0	0.0	0.0	0.0	4.6	RE
L	4.7	4.3	4.1	5.1	5.2	39.6	8.0	0.0	0.0	0.0	4.7	
MLT	15.2	15.3	15.6	16.2	2.0	7.9	14.6	0.0	0.0	0.0	15.8	HRS
MLAT	-8.07	5.02	21.20	46.08	59.96	*****	*****	0.00	0.00	0.00	5.51	DEGS
INVLAT	62.5	61.1	60.3	63.8	63.9	80.9	69.3	0.0	0.0	0.0	62.7	DEGS

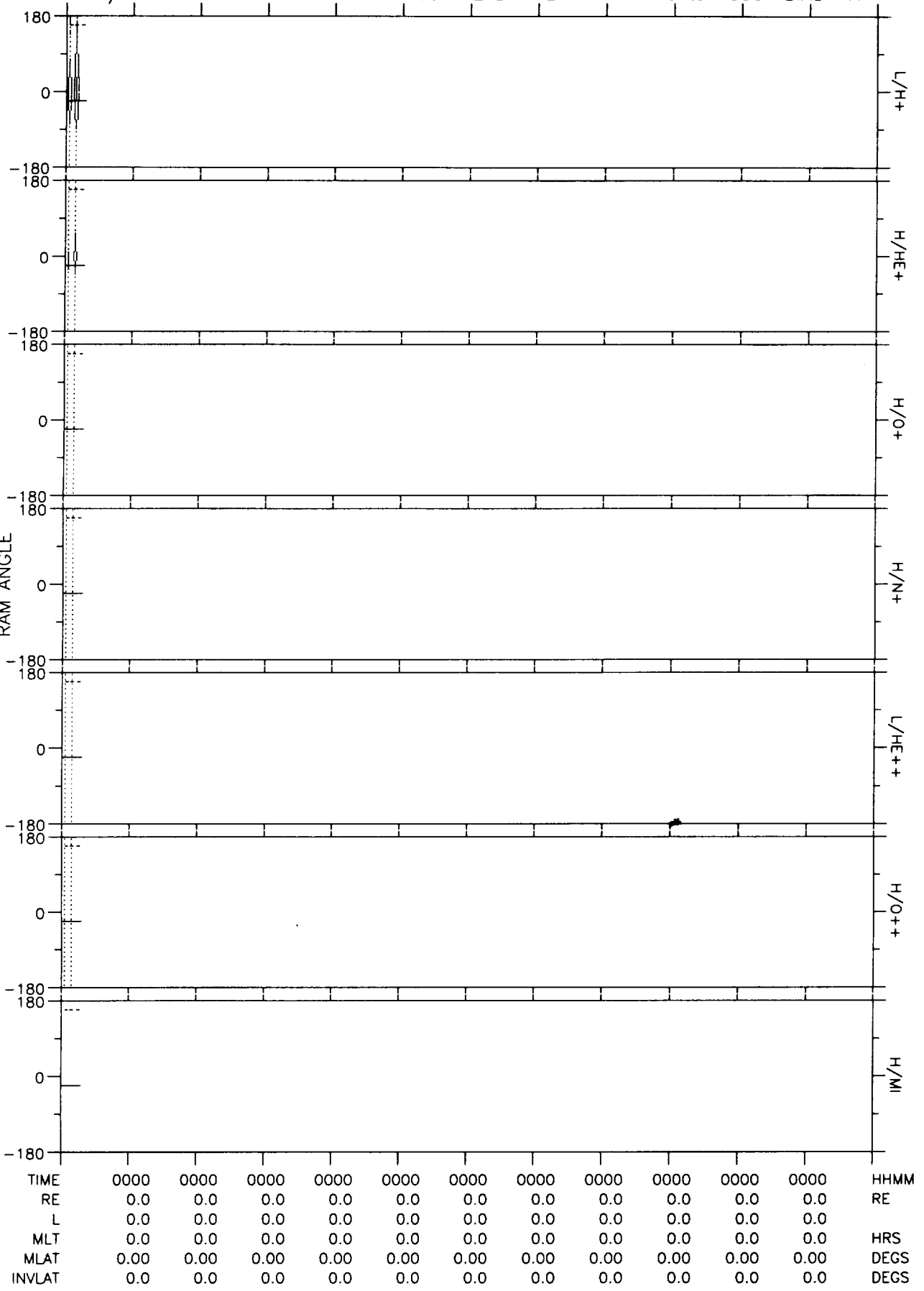
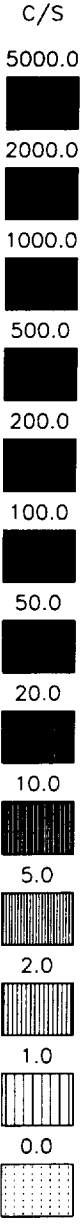
DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Wed Oct 20 20:25:33 1993

82/189 08-JUL 1830:00 - 0230:00 HEAD= RL RPA= 0 to 1000 BIAS= A



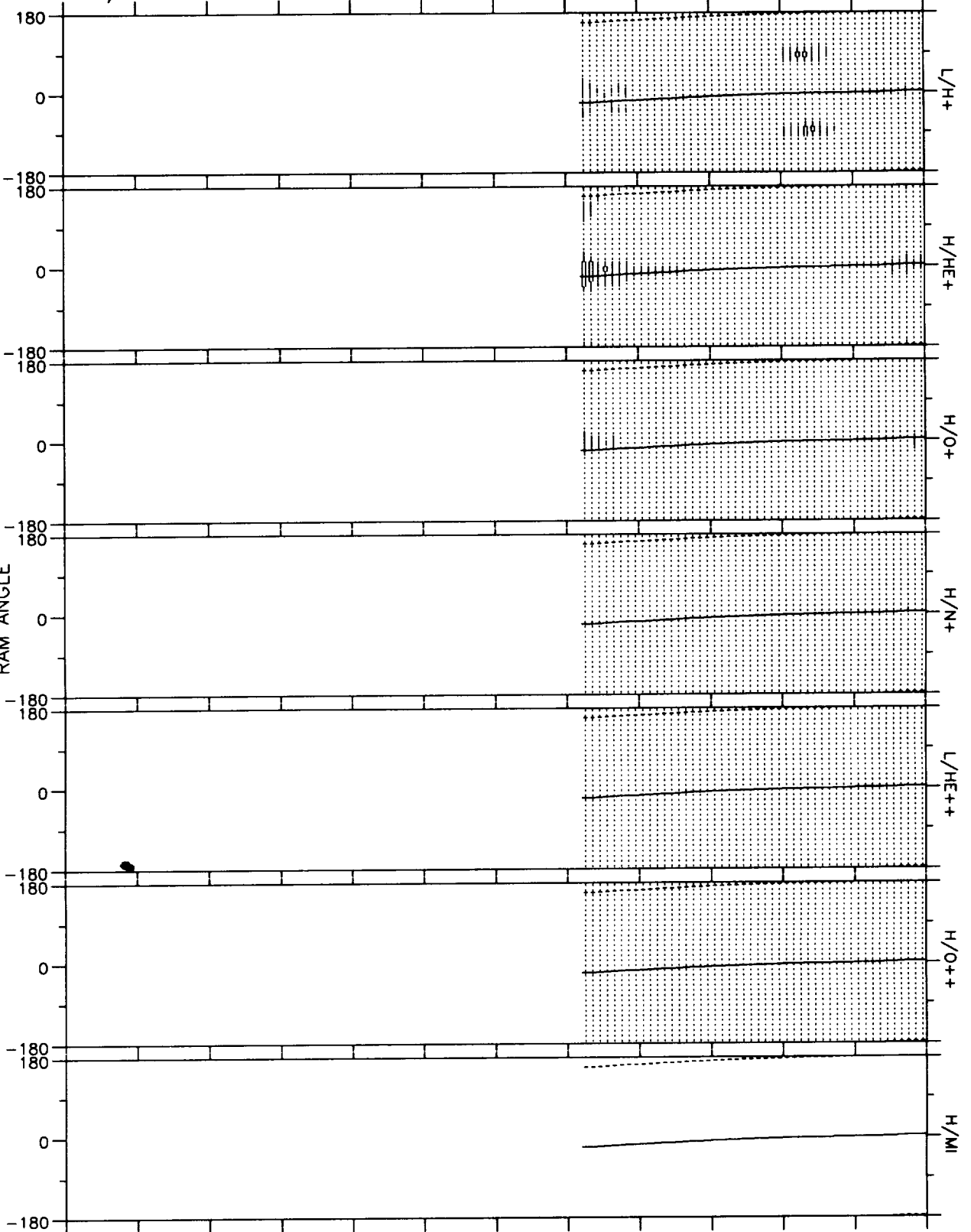
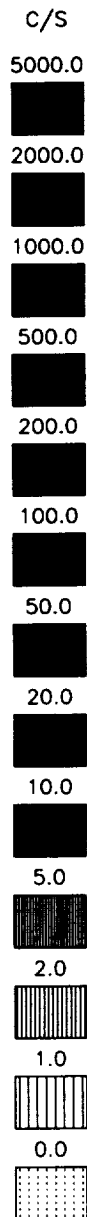
DE RIMS SPIN SUMMARY
SPIN_0001_ALL (V1.0)
Thu Oct 21 09:30:33 1993

82/190 09-JUL 0115:00 - 0915:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RMS SPIN SUMMARY
SPIN/QUAL ALL (V1.0)
Thu Oct 21 09:31:33 1993

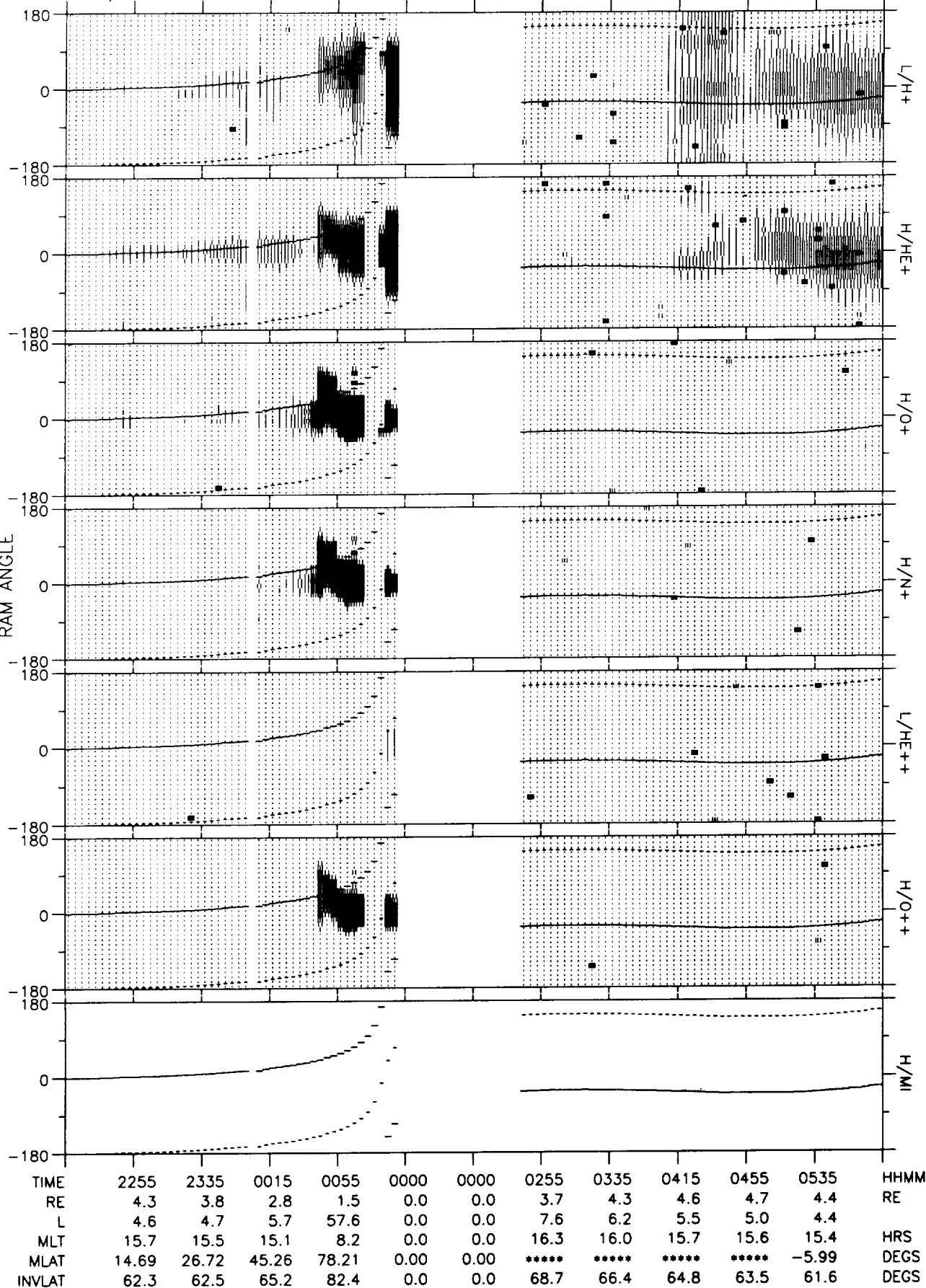
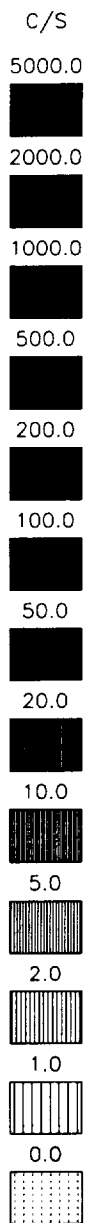
82/190 09-JUL 1500:00 - 2300:00 HEAD= RL RPA= . 0 to 1000 BIAS= A



TIME	0000	0000	0000	0000	0000	0000	0000	2020	2100	2140	2220	HHMM
RE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.5	4.7	4.6	RE
L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	4.8	4.7	4.7	
MLT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.8	15.9	15.9	15.8	HRS
MLAT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	*****	*****	-3.44	6.01	DEGS
INVLAT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.3	62.7	62.6	62.5	DEGS

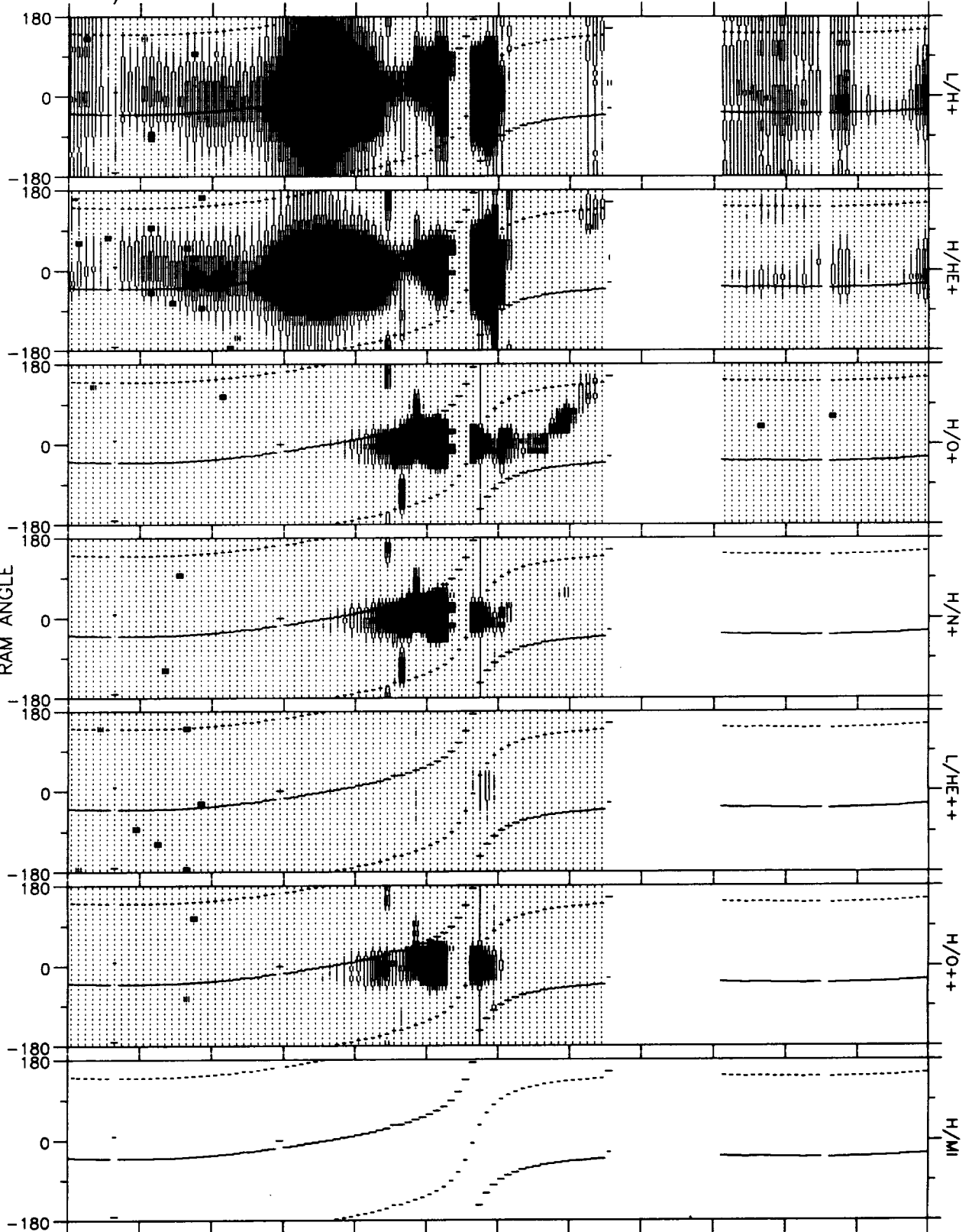
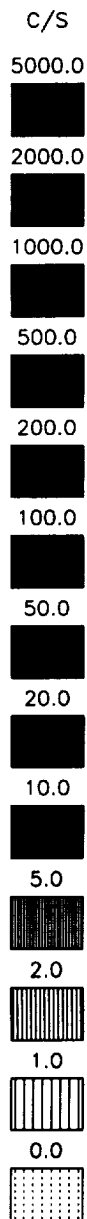
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Thu Oct 21 09:33:04 1993

82/190 09-JUL 2215:00 - 0615:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPINRADIALALL (V1.0)
Thu Oct 21 09:35:16 1993

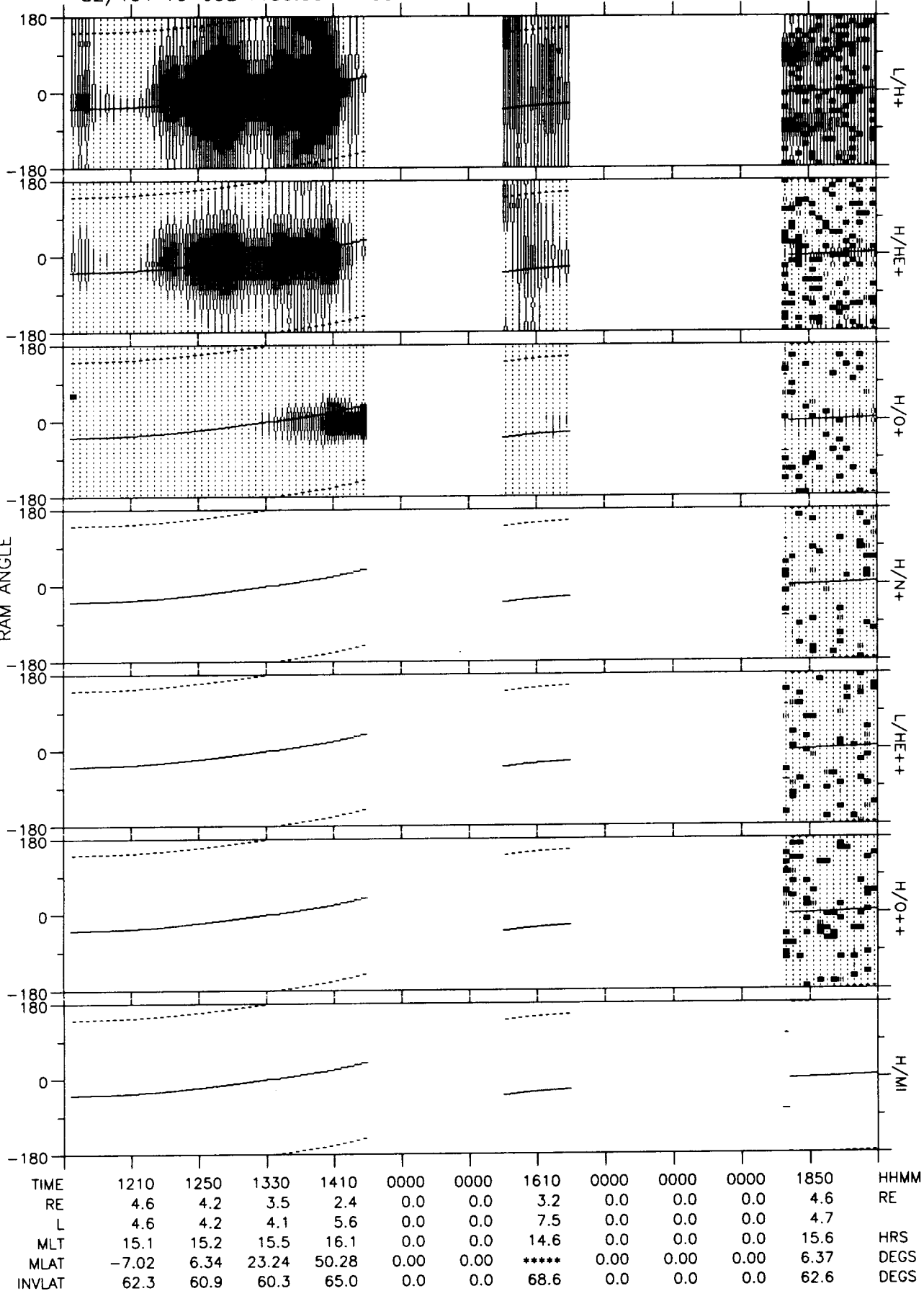
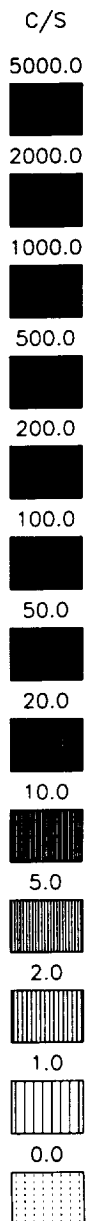
82/191 10-JUL 0430:00 - 1230:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0510	0550	0630	0710	0750	0830	0910	0000	0000	1110	1150	HHMM
RE	4.6	4.3	3.7	2.7	1.4	1.6	2.9	0.0	0.0	4.6	4.6	RE
L	4.8	4.2	3.8	3.9	100.0	6.5	33.1	0.0	0.0	5.6	4.9	
MLT	15.5	15.4	15.3	15.2	6.3	3.4	14.5	0.0	0.0	14.9	15.0	HRS
MLAT	*****	-2.00	11.14	32.66	88.76	*****	*****	0.00	0.00	*****	*****	DEGS
INVLAT	62.7	60.9	59.0	59.6	86.8	66.8	80.0	0.0	0.0	65.1	63.2	DEGS

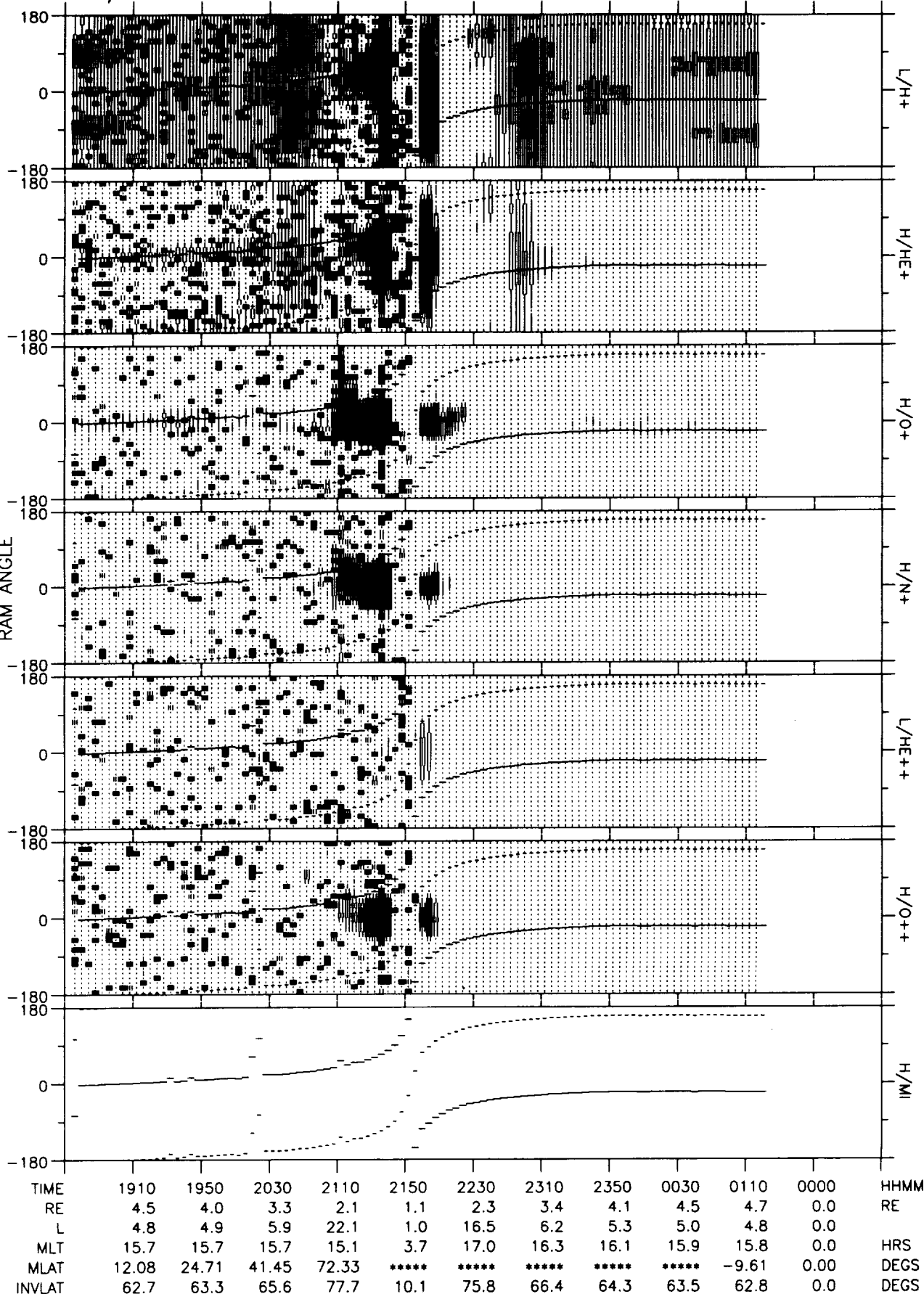
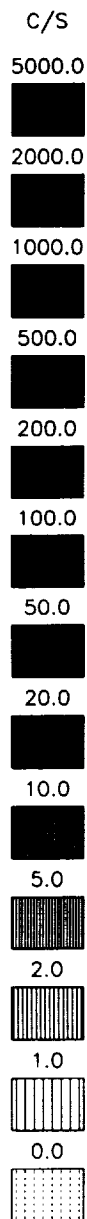
DE RIMS SPIN SUMMARY
SPINRADIALALL (V1.0)
Thu Oct 21 09:37:45 1993

82/191 10-JUL 1130:00 - 1930:00 HEAD= RL RPA= 0 to 1000 BIAS= A



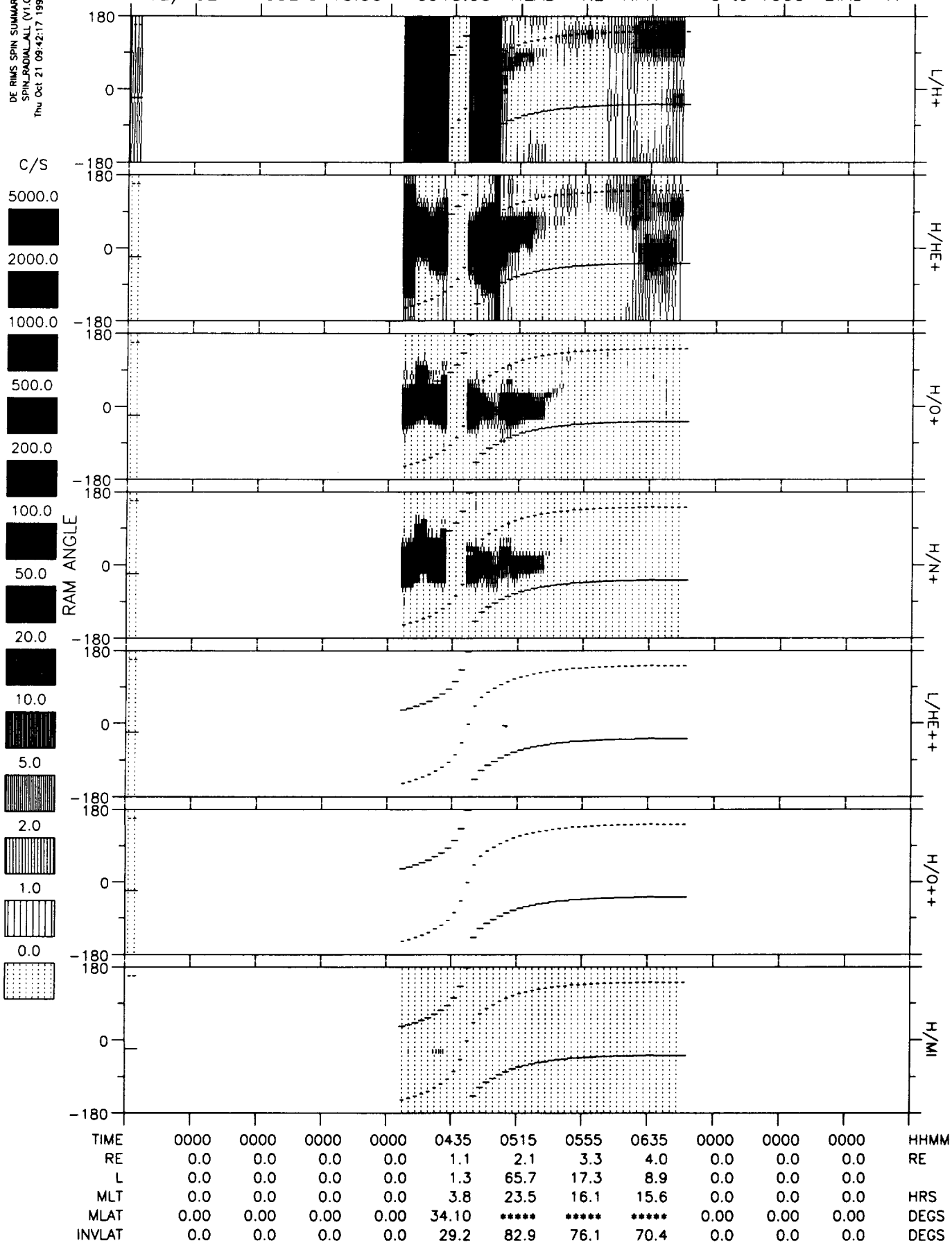
DE RIMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Thu Oct 21 09:39:30 1993

82/191 10-JUL 1830:00 - 0230:00 HEAD= RL RPA= 0 to 1000 BIAS= A



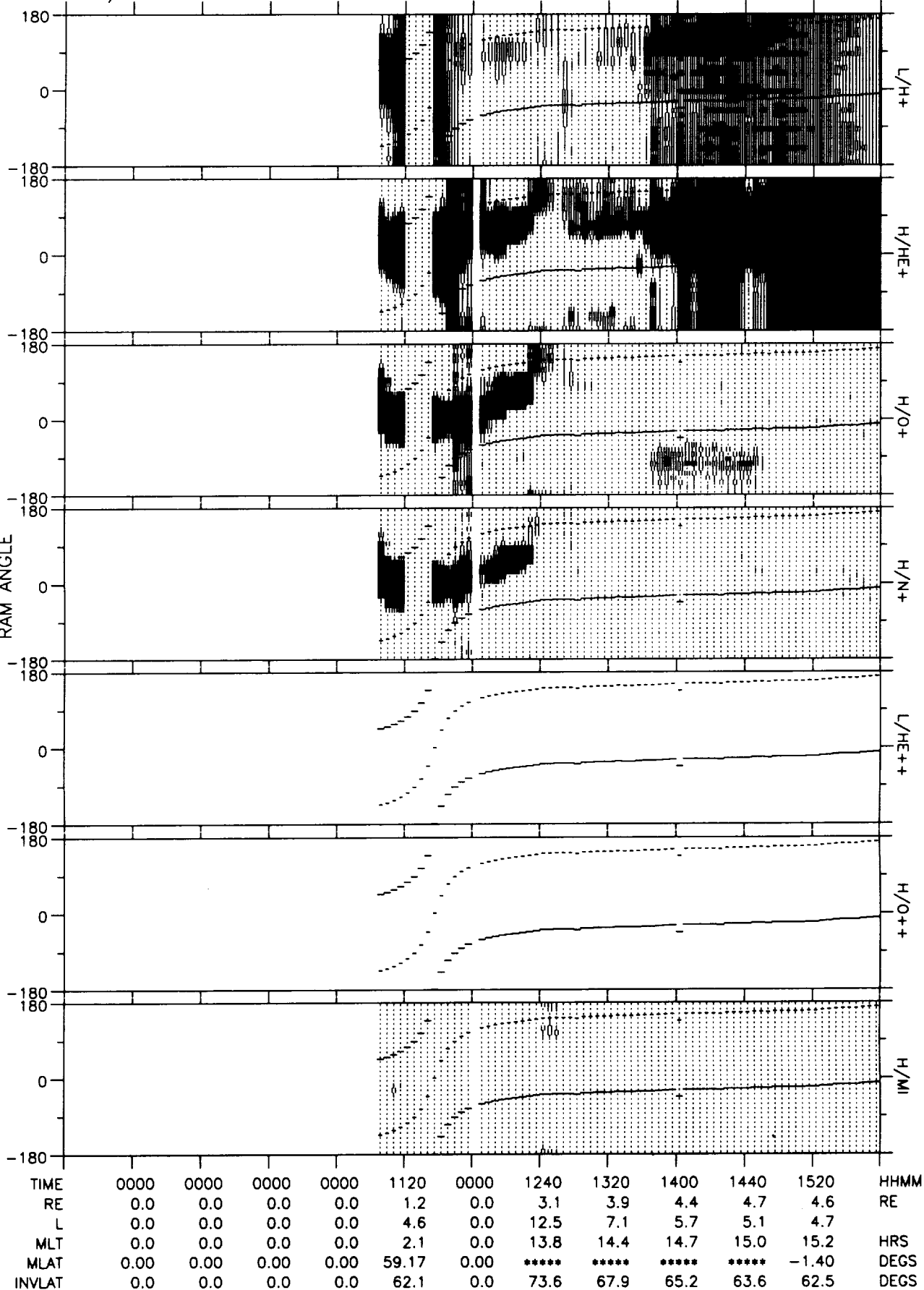
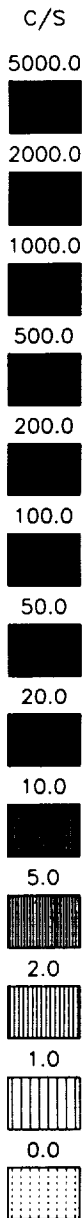
DE RIMS SPIN SUMMARY
SPIN_RADIAL.ALL (V1.0)
Thu Oct 21 09:42:17 1993

82/192 11-JUL 0115:00 - 0915:00 HEAD= RL RPA= 0 to 1000 BIAS= A



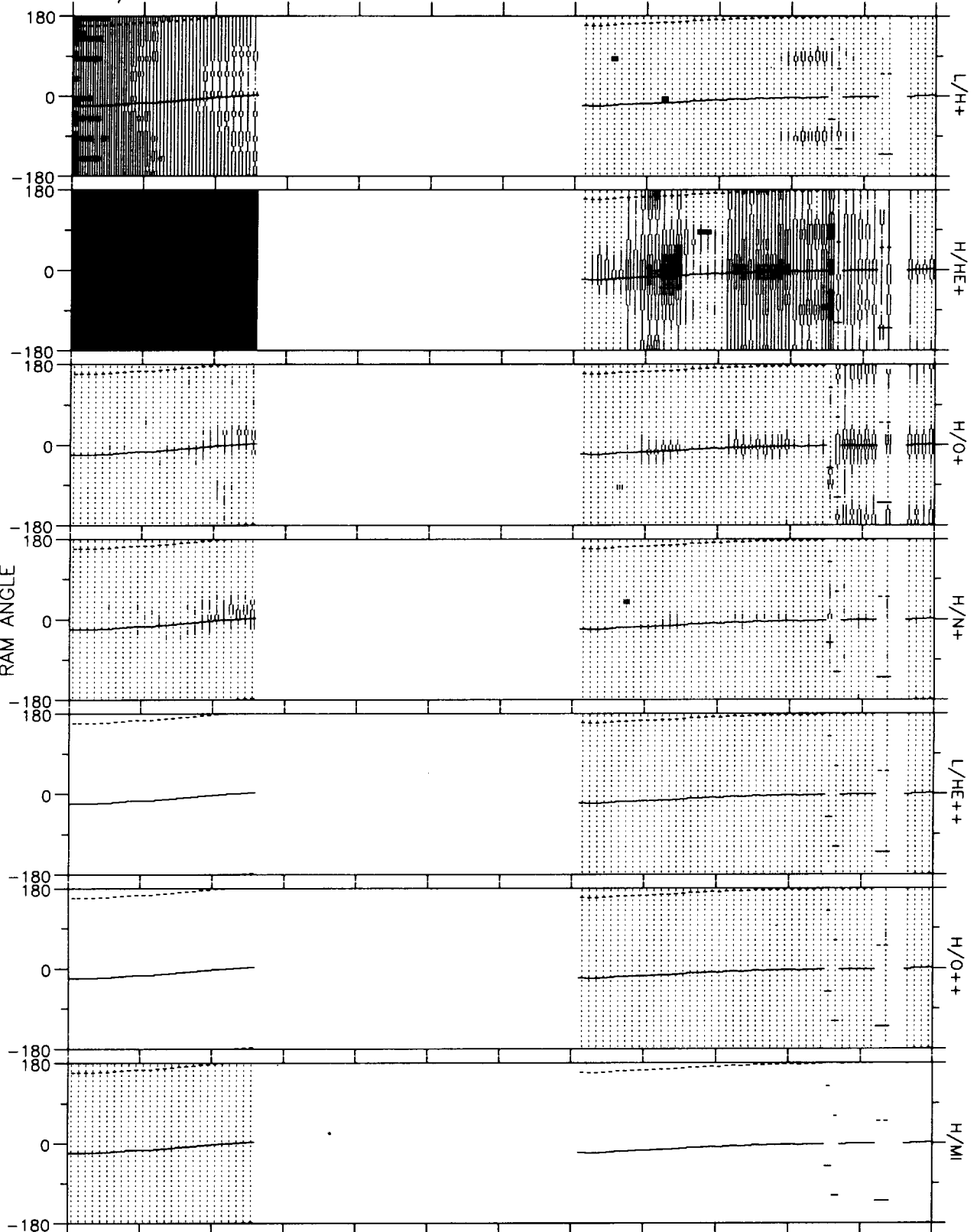
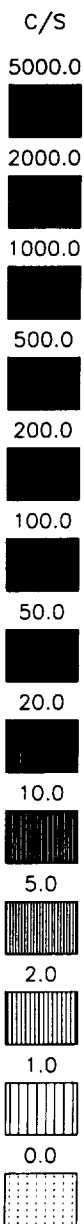
DE RMS SPIN SUMMARY
SPIN_RADIALALL (V1.0)
Thu Oct 21 09:44:08 1993

82/192 11-JUL 0800:00 - 1600:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Thu Oct 21 08:46:24 1993

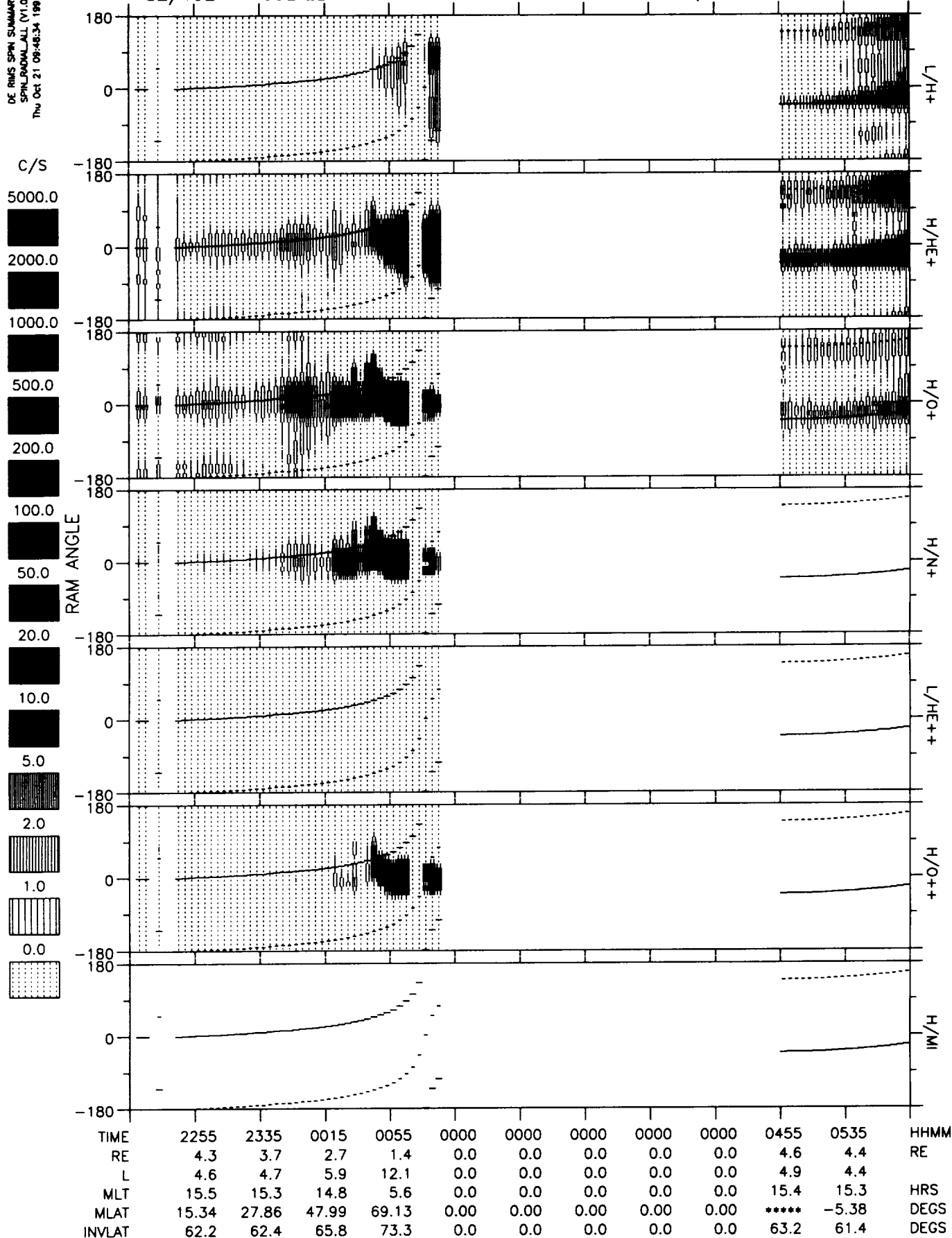
82/192 11-JUL 1500:00 - 2300:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	1540	1620	0000	0000	0000	0000	0000	2020	2100	2140	2220	HHMM
RE	4.5	4.1	0.0	0.0	0.0	0.0	0.0	4.1	4.5	4.7	4.6	RE
L	4.6	4.5	0.0	0.0	0.0	0.0	0.0	5.0	4.8	4.7	4.7	
MLT	15.3	15.5	0.0	0.0	0.0	0.0	0.0	15.7	15.7	15.7	15.6	HRS
MLAT	4.83	18.57	0.00	0.00	0.00	0.00	0.00	*****	*****	-2.94	6.50	DEGS
INVLAT	62.1	61.8	0.0	0.0	0.0	0.0	0.0	63.3	62.8	62.6	62.4	DEGS

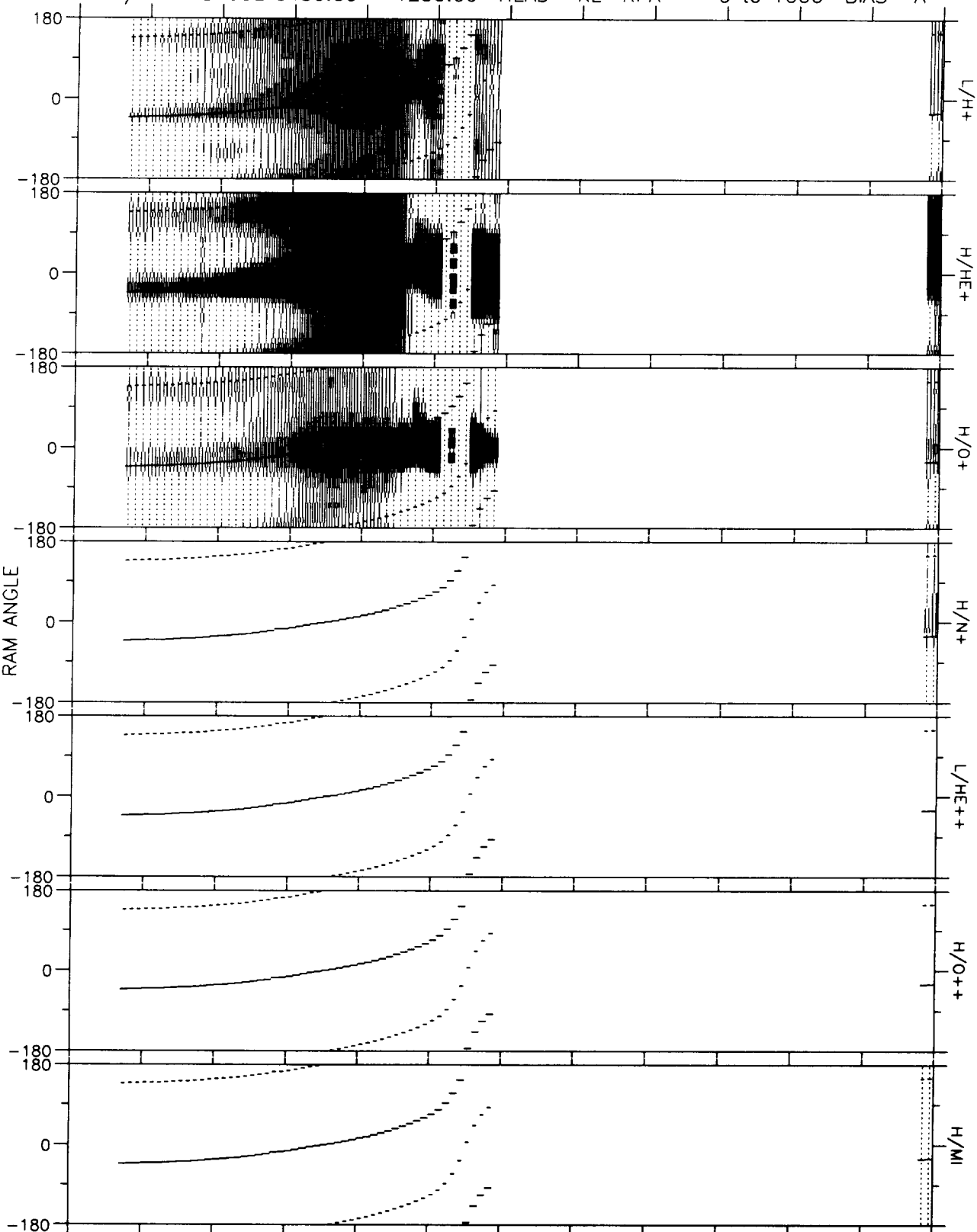
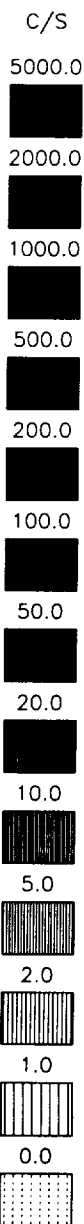
DE RIMS SPIN SUMMARY
SPINRADIAL (V1.0)
Thu Oct 21 09:48:34 1993

82/192 11-JUL 2215:00 - 0615:00 HEAD= RL RPA= .0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Thu Oct 21 09:50:19 1993

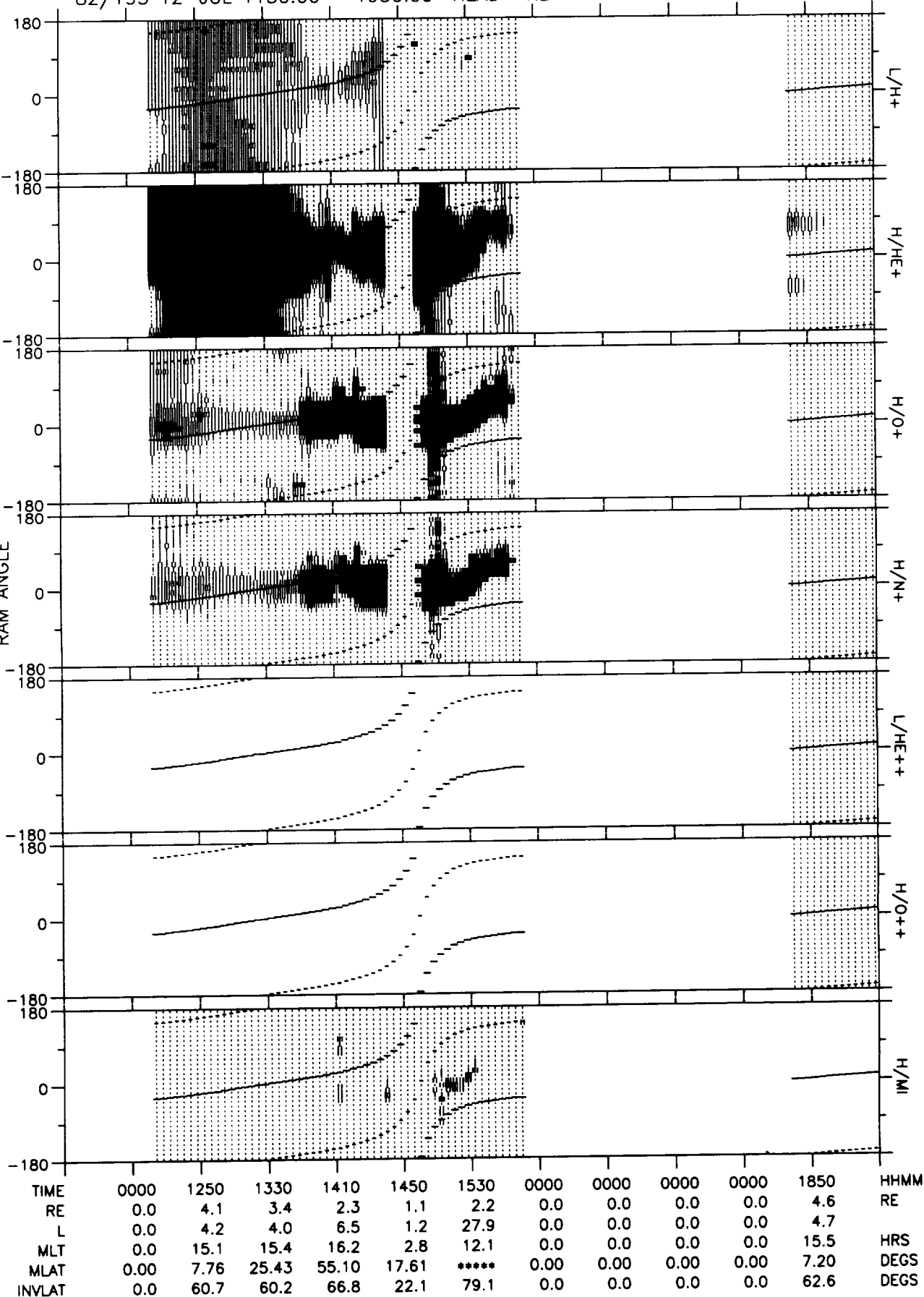
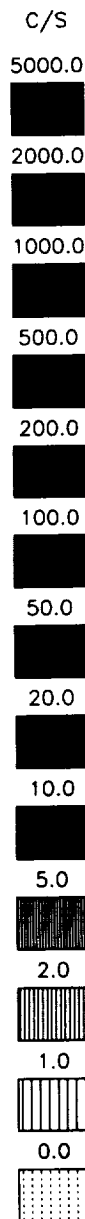
82/193 12-JUL 0430:00 - 1230:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0510	0550	0630	0710	0750	0000	0000	0000	0000	0000	0000	HHMM
RE	4.6	4.2	3.6	2.6	1.2	0.0	0.0	0.0	0.0	0.0	0.0	RE
L	4.7	4.2	3.7	4.0	11.7	0.0	0.0	0.0	0.0	0.0	0.0	
MLT	15.4	15.2	15.1	15.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	HRS
MLAT	*****	-1.26	12.53	36.04	72.21	0.00	0.00	0.00	0.00	0.00	0.00	DEGS
INVLAT	62.5	60.6	58.7	60.2	73.0	0.0	0.0	0.0	0.0	0.0	0.0	DEGS

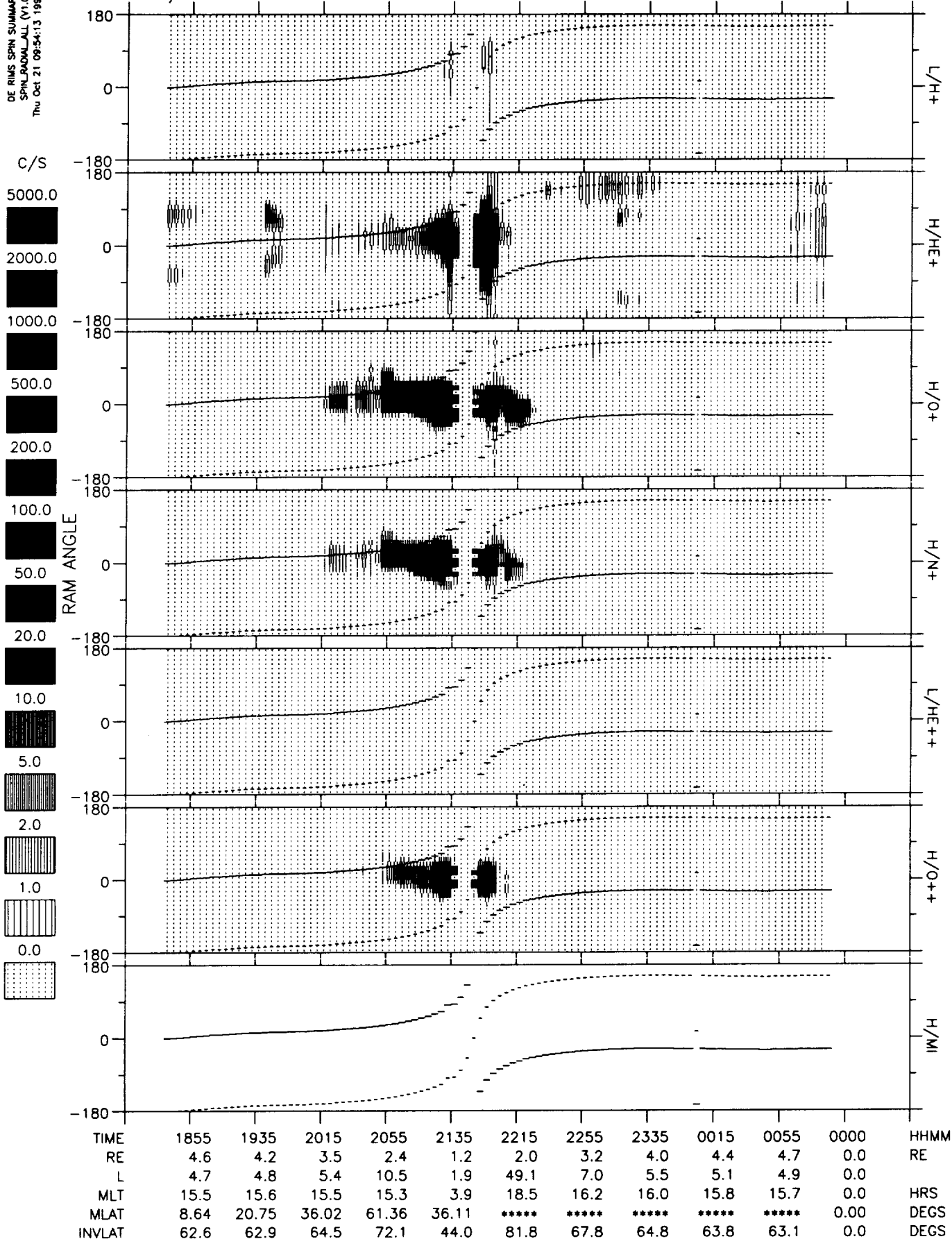
DE RIMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Thu Oct 21 09:52:04 1993

82/193 12-JUL 1130:00 - 1930:00 HEAD= RL RPA= 0 to 1000 BIAS= A



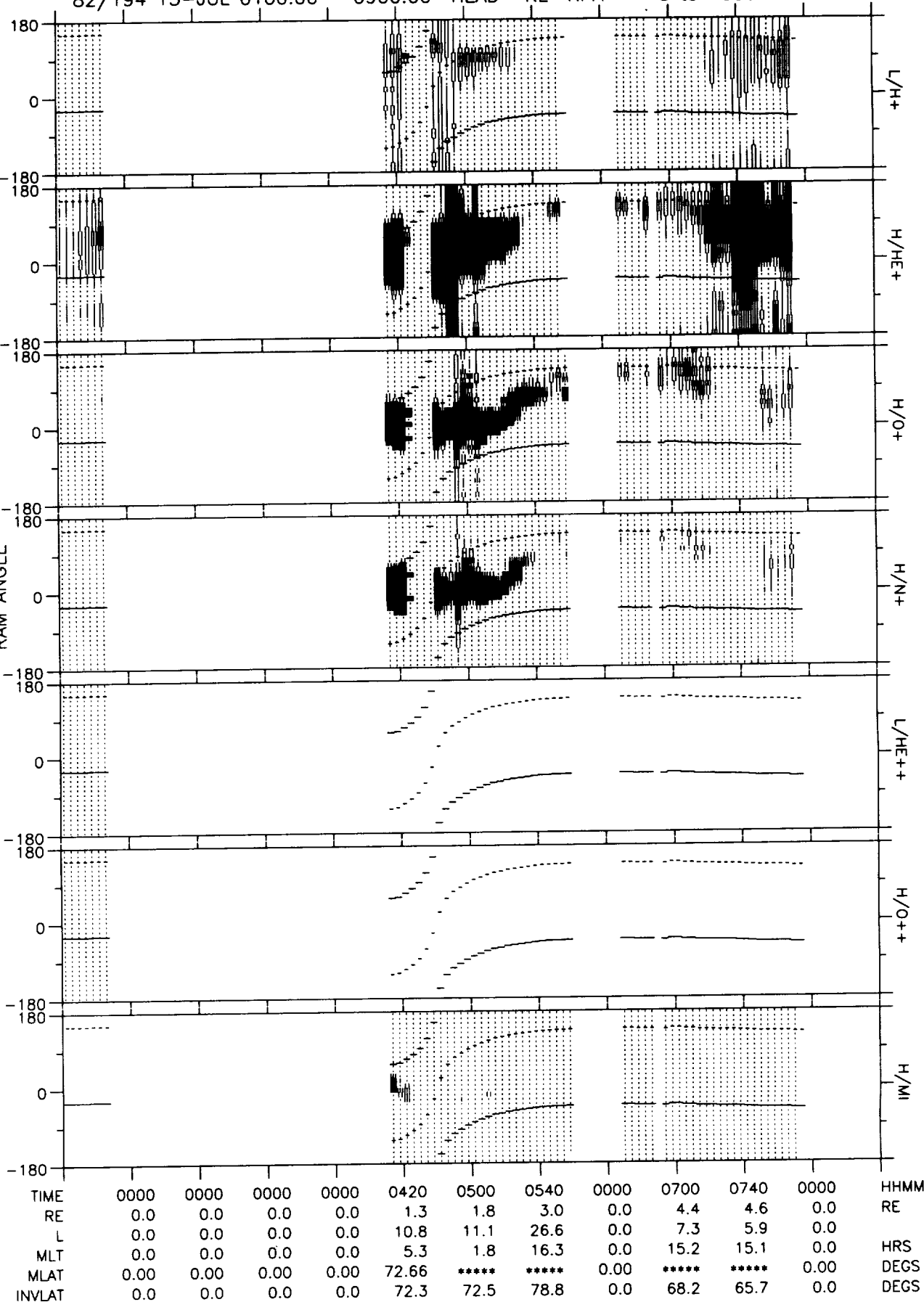
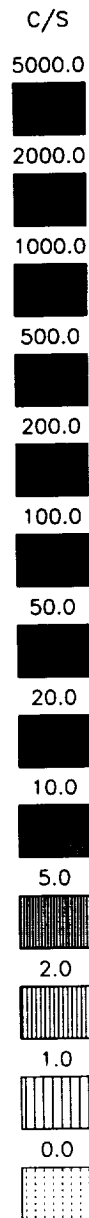
DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Thu Oct 21 09:54:13 1993

82/193 12-JUL 1815:00 - 0215:00 HEAD= RL RPA= 0 to 1000 BIAS= A



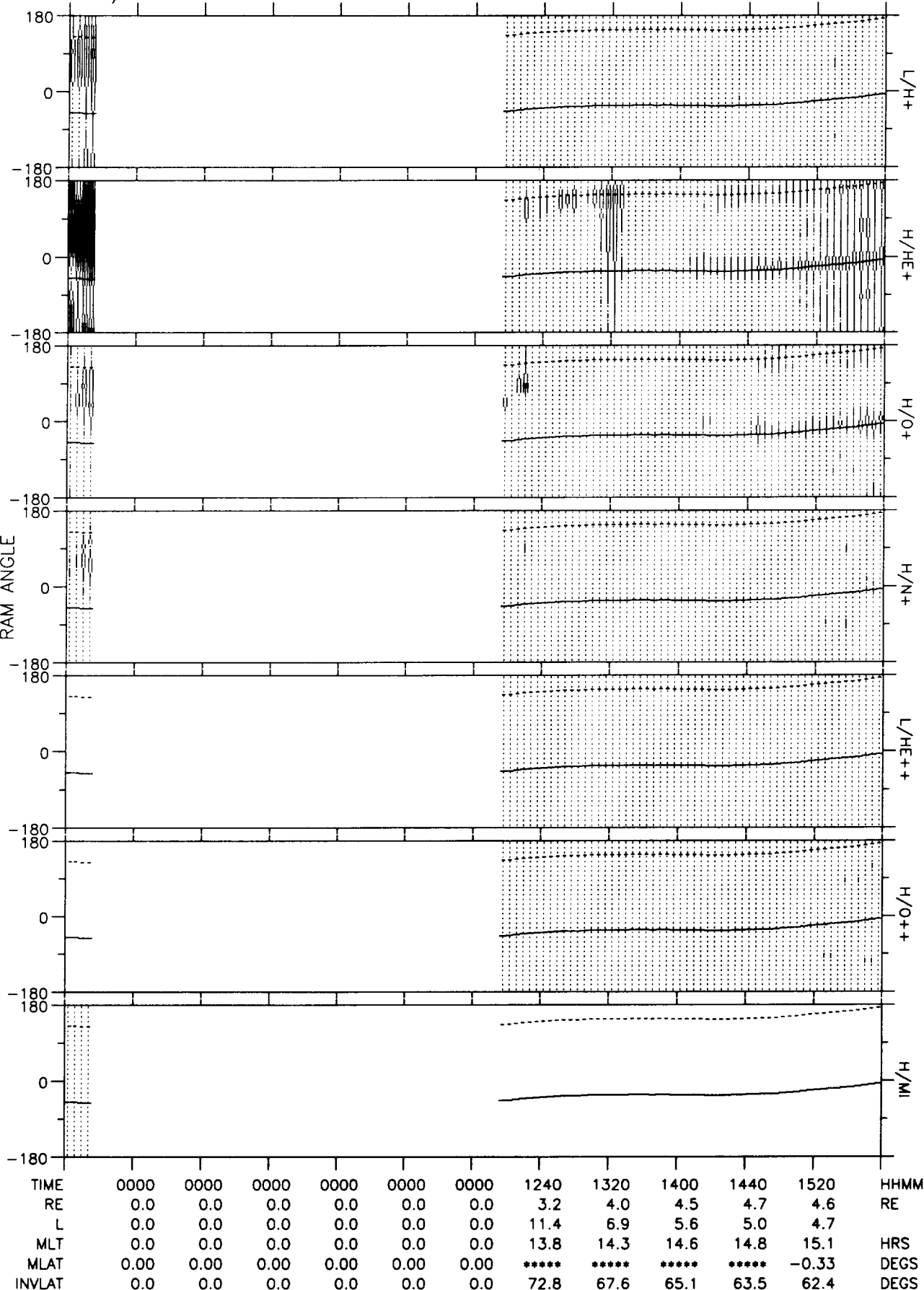
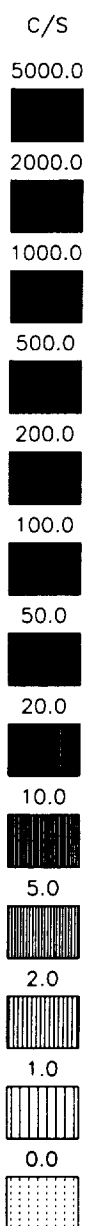
DE RMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
THU Oct 21 09:56:26 1993

82/194 13-JUL 0100:00 - 0900:00 HEAD= RL RPA= 0 to 1000 BIAS= A



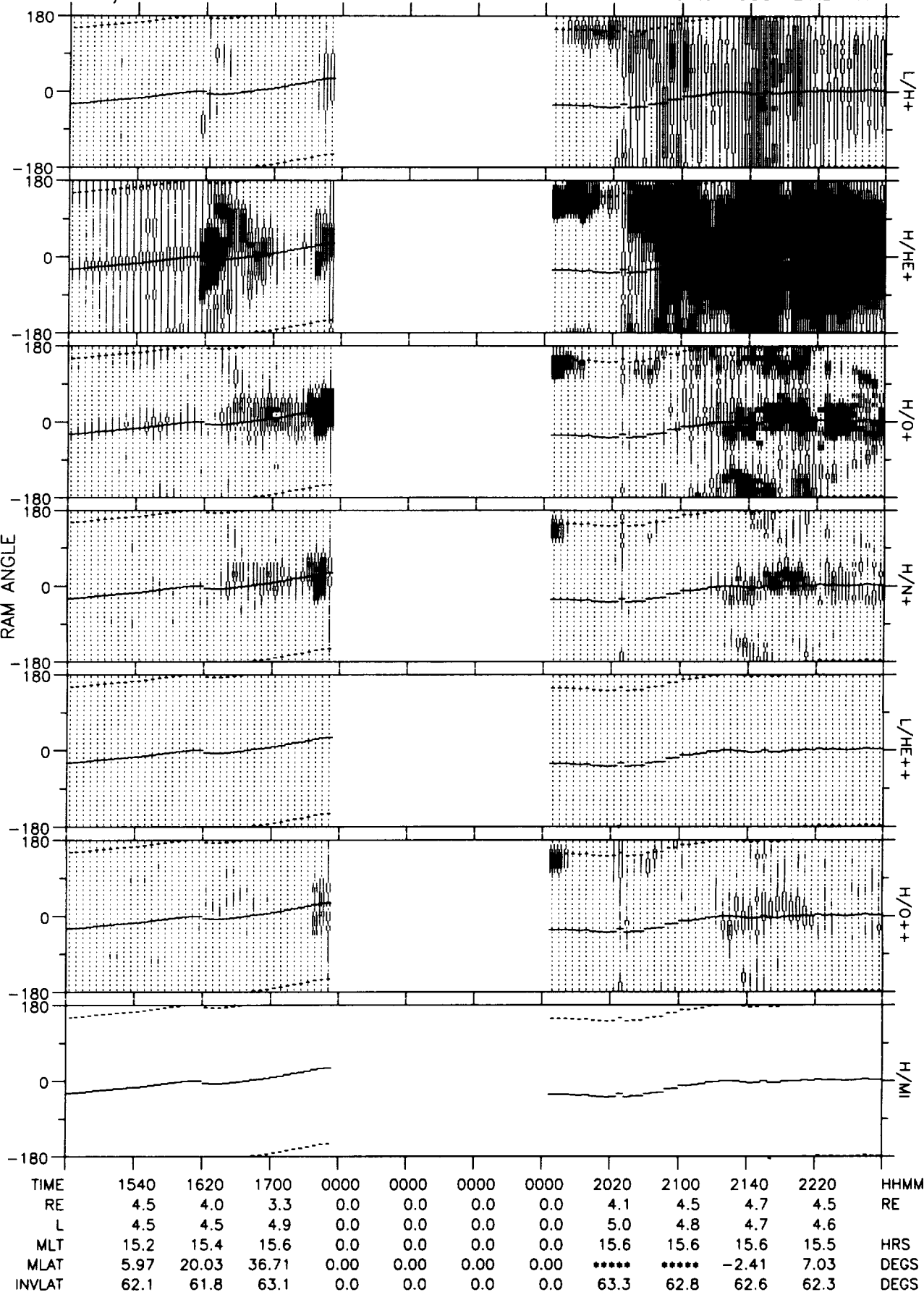
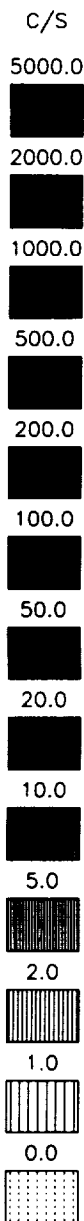
DE RIMS SPIN SUMMARY
SPIN/RADIAL_ALL (V1.0)
Thu Oct 21 09:58:12 1993

82/194 13-JUL 0800:00 - 1600:00 HEAD= RL RPA= 0 to 1000 BIAS= A



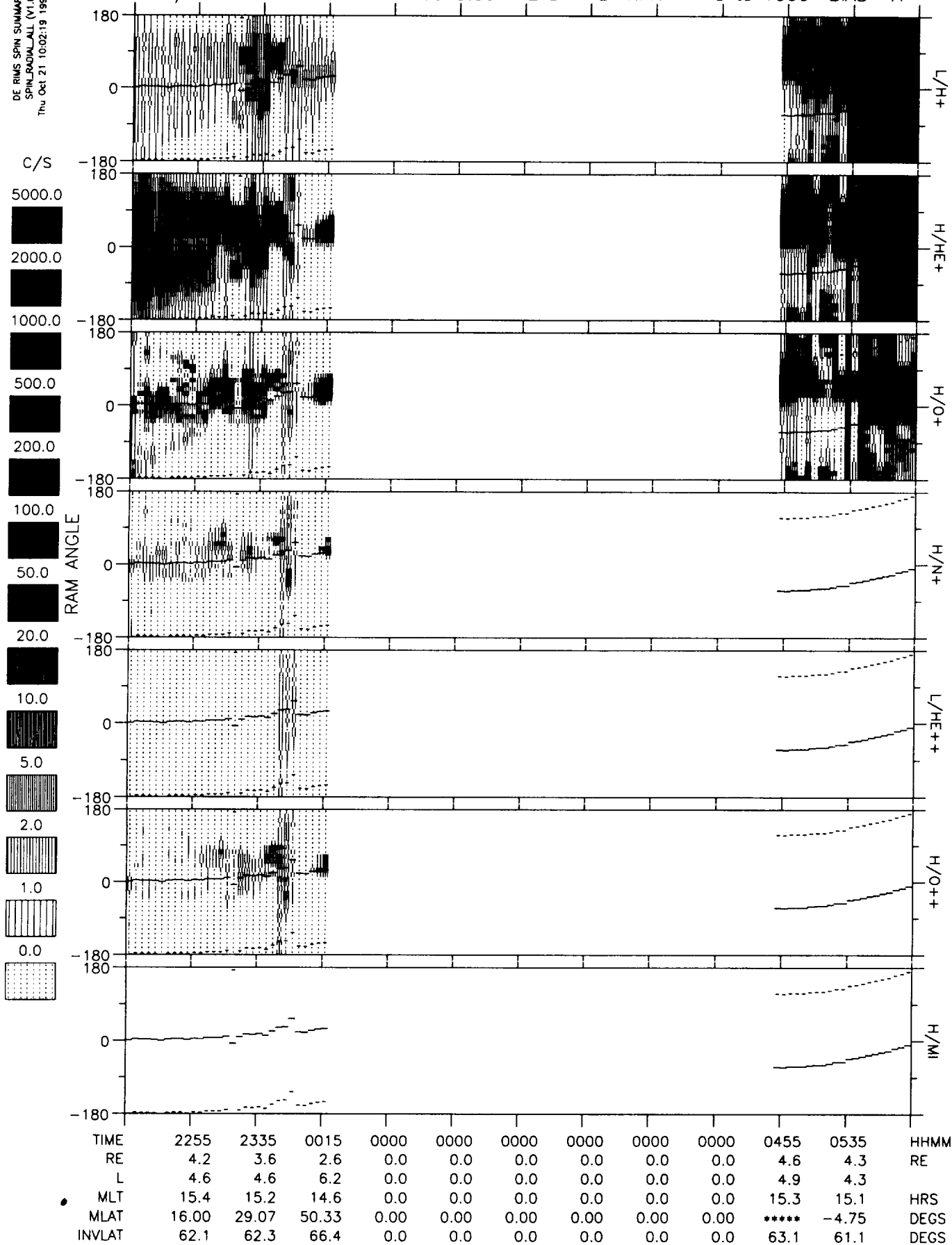
DE RINS SPIN SUMMARY
SPIN_RADIALL (V1.0)
Thu Oct 21 09:59:55 1993

82/194 13-JUL 1500:00 - 2300:00 HEAD= RL RPA= 0 to 1000 BIAS= A



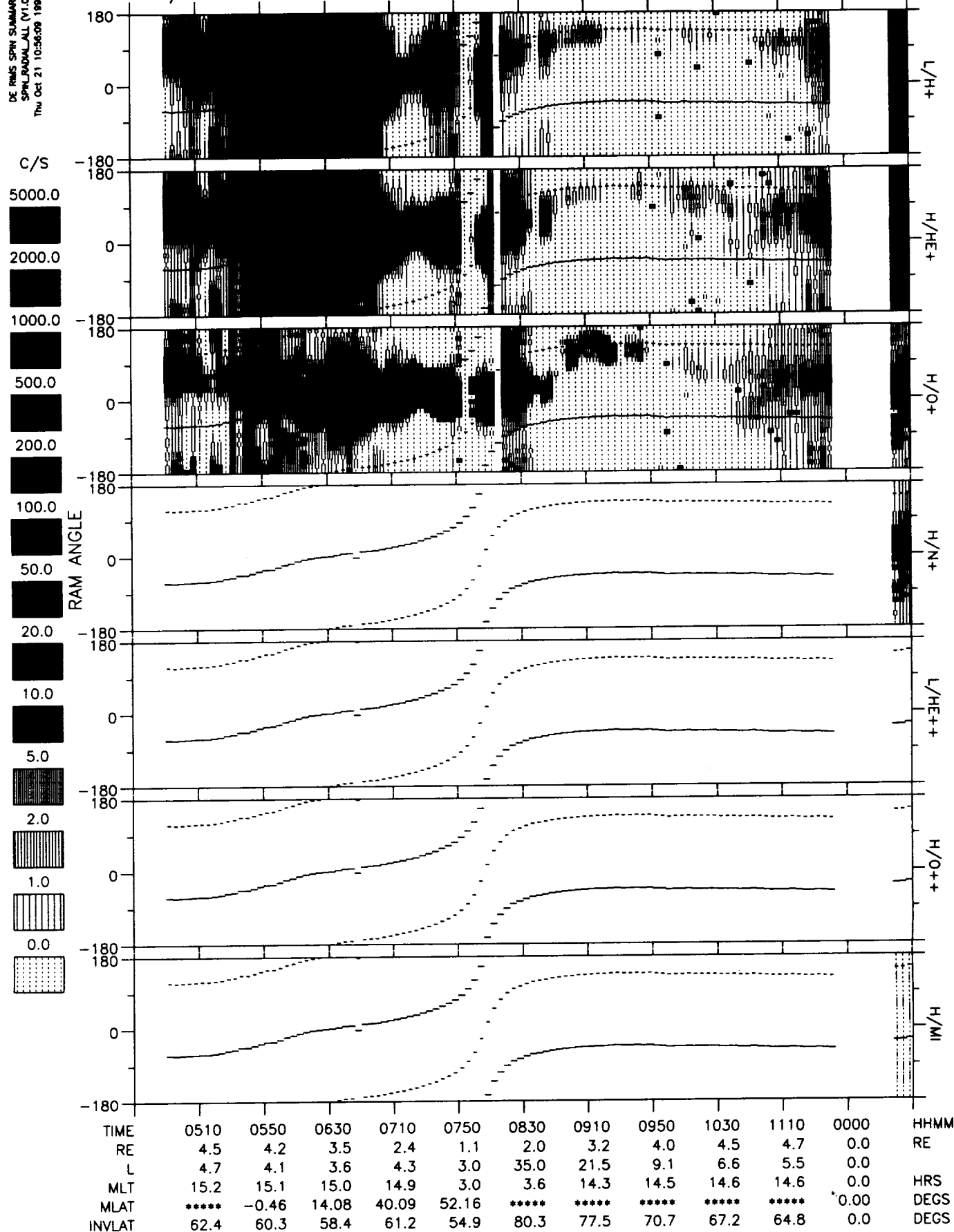
DE RIMS SPIN SUMMARY
SPINJOURNAL (V1.0)
Thu Oct 21 10:02:19 1993

82/194 13-JUL 2215:00 - 0615:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RMS SPIN SUMMARY
SPINRADIAL (V1.0)
Thu Oct 21 10:56:09 1993

82/195 14-JUL 0430:00 - 1230:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Thu Oct 21 10:58:52 1993

82/195 14-JUL 1130:00 - 1930:00 HEAD= RL RPA= 0 to 1000 BIAS= A

C/S

5000.0

2000.0

1000.0

500.0

200.0

100.0

50.0

20.0

10.0

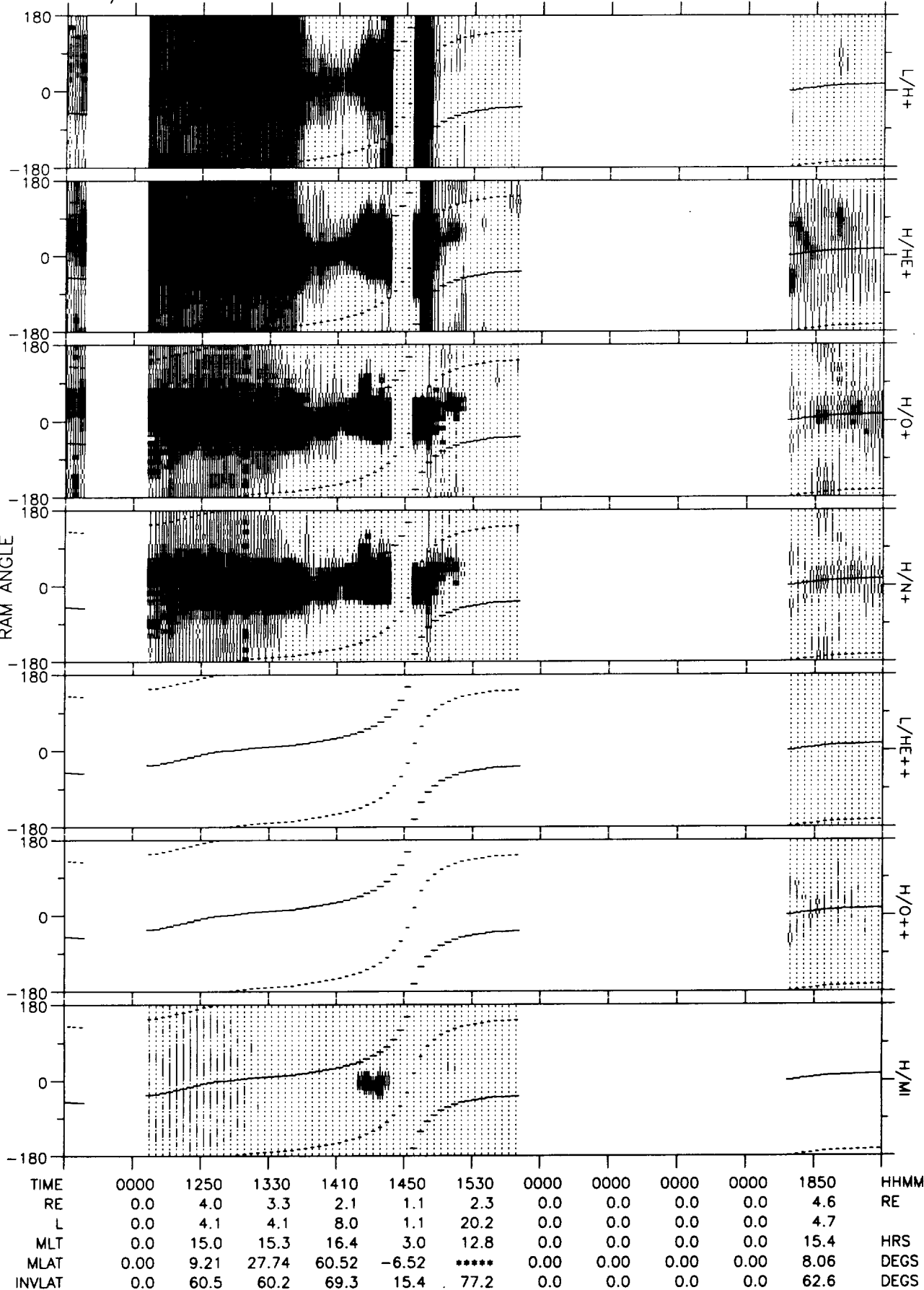
5.0

2.0

1.0

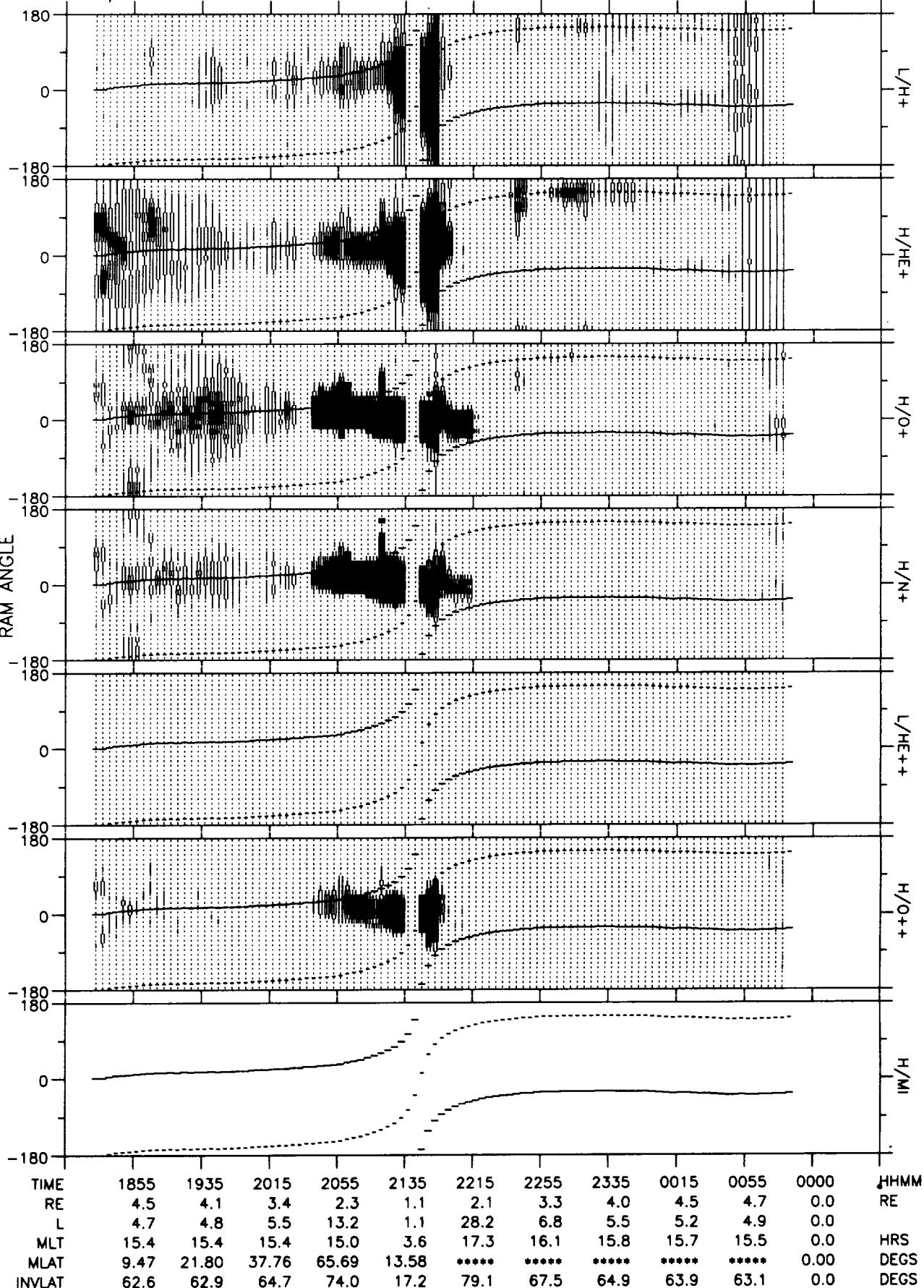
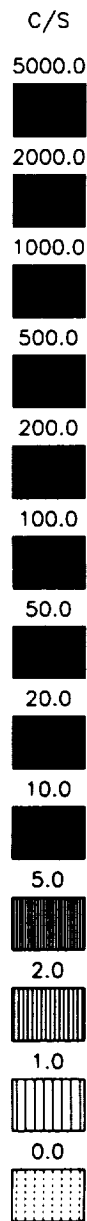
0.0

RAM ANGLE



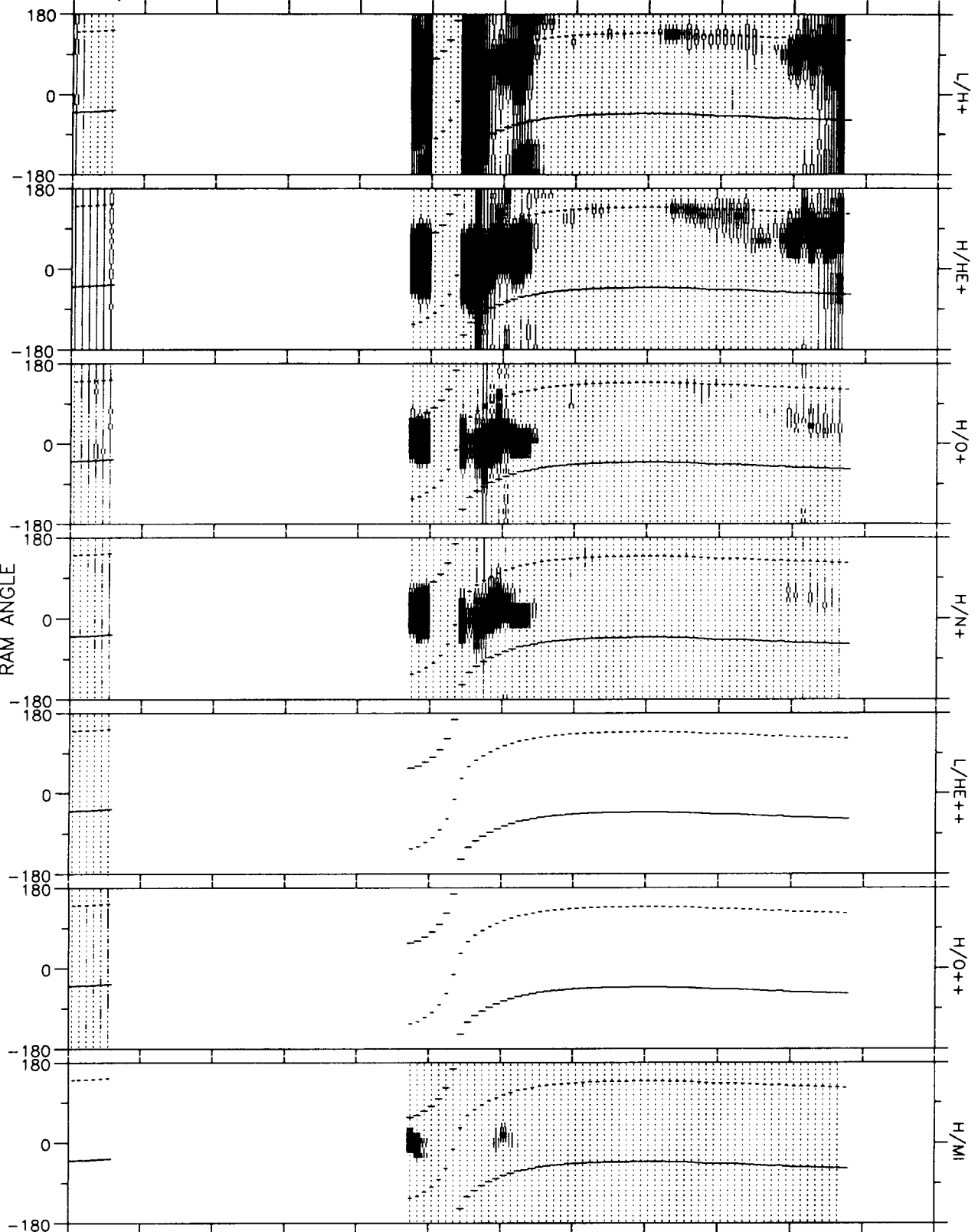
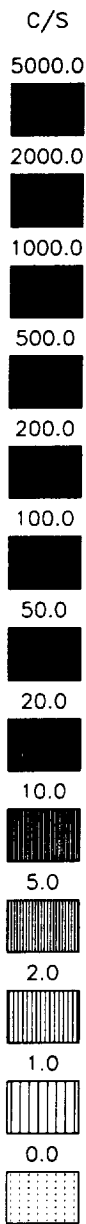
DE RMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Thu Oct 21 11:01:28 1993

82/195 14-JUL 1815:00 - 0215:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Thu Oct 21 11:03:48 1993

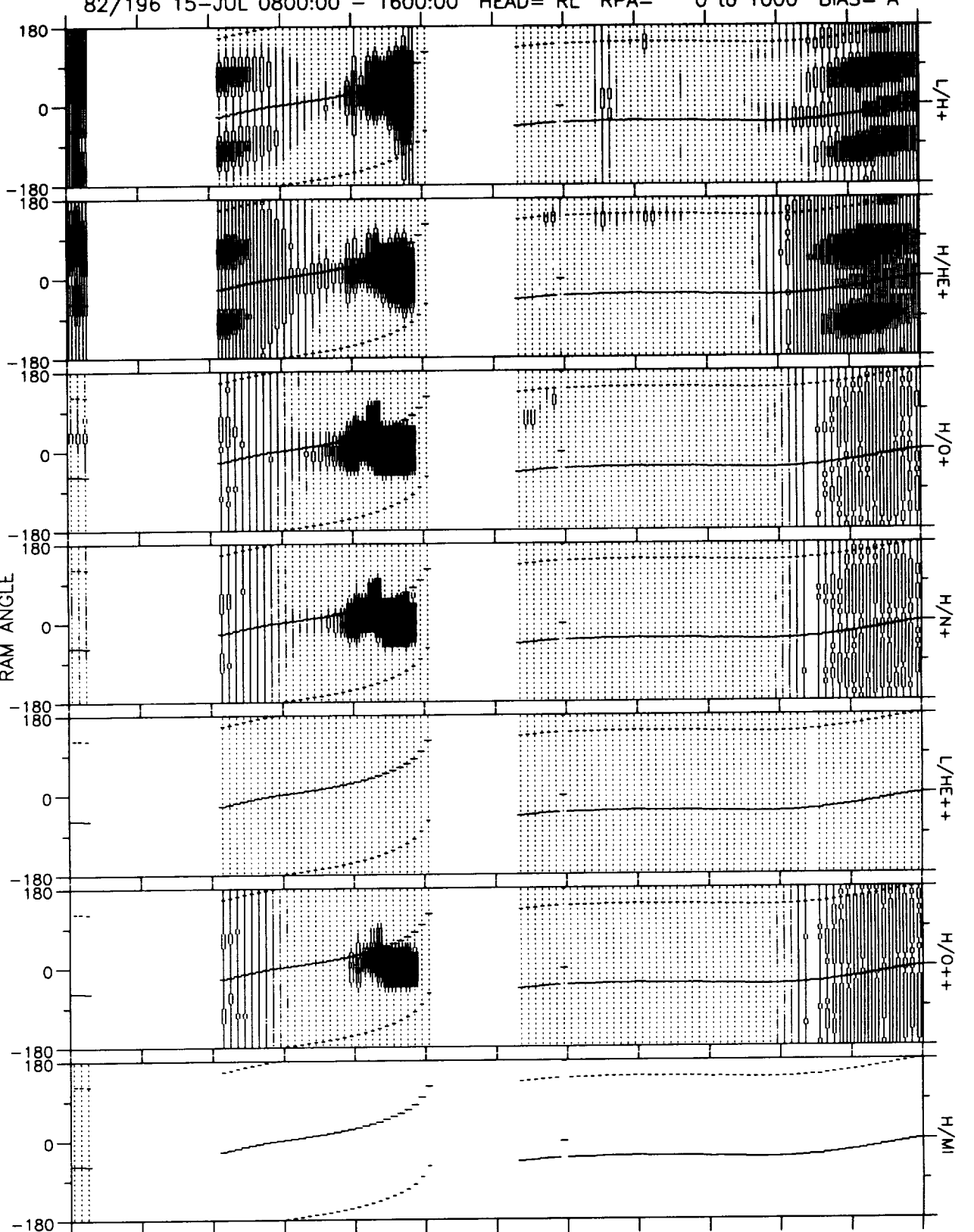
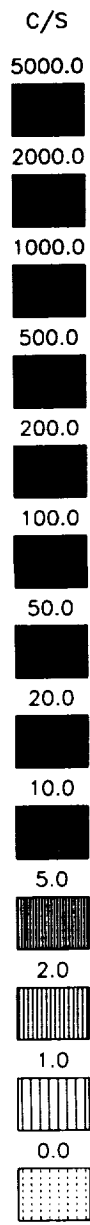
82/196 15-JUL 0100:00 - 0900:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0000	0000	0000	0000	0420	0500	0540	0620	0700	0740	0000	HHMM
RE	0.0	0.0	0.0	0.0	1.2	1.9	3.1	4.0	4.4	4.7	0.0	RE
L	0.0	0.0	0.0	0.0	2.9	23.9	22.8	9.9	7.2	5.9	0.0	
MLT	0.0	0.0	0.0	0.0	4.0	1.1	16.0	15.3	15.1	14.9	0.0	HRS
MLAT	0.00	0.00	0.00	0.00	55.74	*****	*****	*****	*****	*****	0.00	DEGS
INVLAT	0.0	0.0	0.0	0.0	53.9	78.2	77.9	71.5	68.1	65.6	0.0	DEGS

DE RMS SPIN SUMMARY
SPINRADJALL (V1.0)
Thu Oct 21 11:05:37 1993

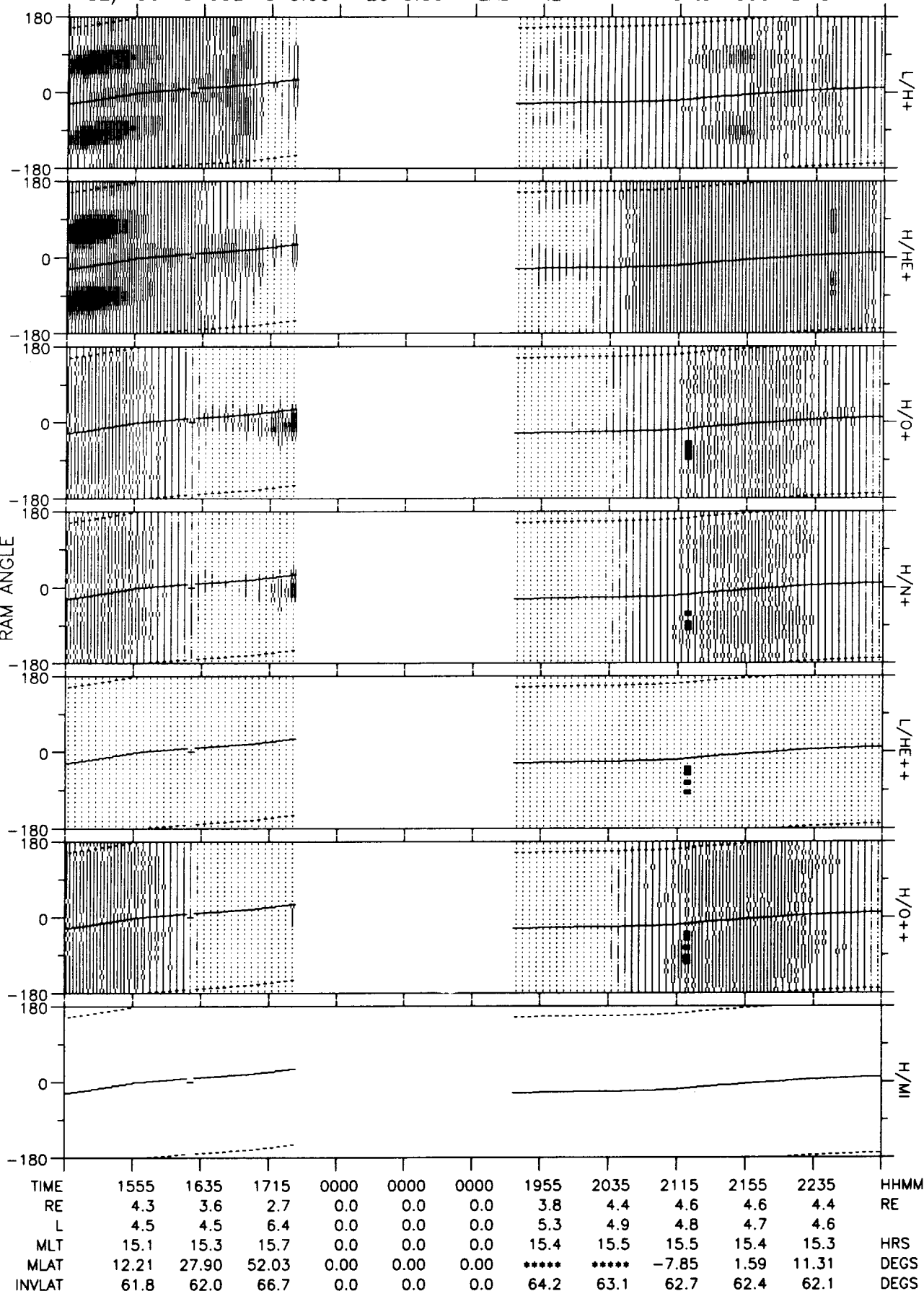
82/196 15-JUL 0800:00 - 1600:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0000	0000	1000	1040	1120	0000	1240	1320	1400	1440	1520	HHMM
RE	0.0	0.0	3.3	2.2	1.1	0.0	3.4	4.1	4.5	4.7	4.6	RE
L	0.0	0.0	3.7	5.6	1.2	0.0	10.5	6.8	5.6	5.0	4.6	
MLT	0.0	0.0	15.0	15.5	2.6	0.0	13.7	14.2	14.5	14.7	14.9	HRS
MLAT	0.00	0.00	18.36	49.89	18.64	0.00	*****	*****	*****	*****	0.73	DEGS
INVLAT	0.0	0.0	58.5	64.9	22.2	0.0	72.0	67.4	65.0	63.4	62.3	DEGS

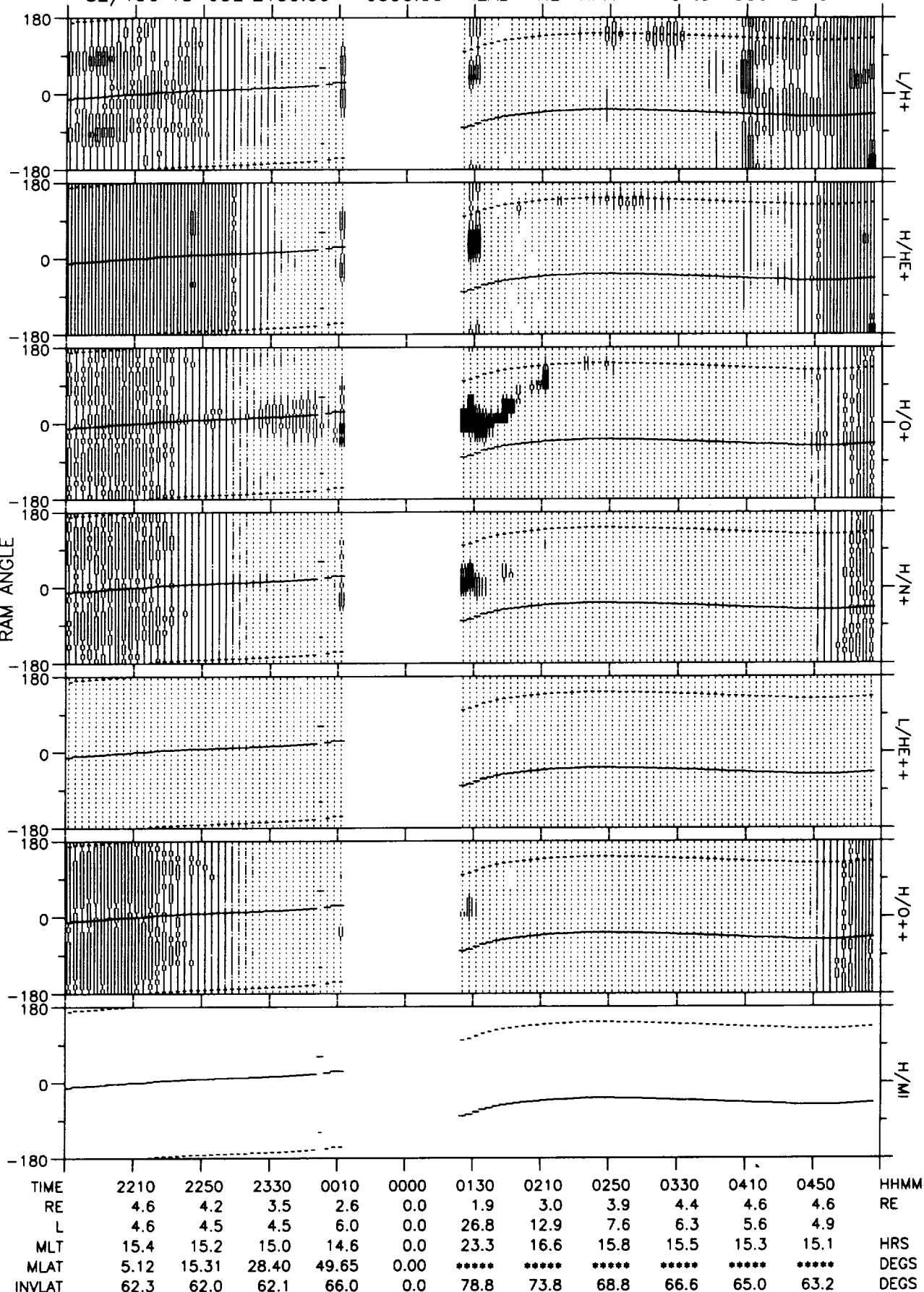
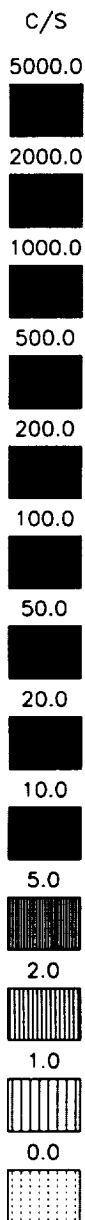
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Thu Oct 21 11:07:52 1993

82/196 15-JUL 1515:00 - 2315:00 HEAD= RL RPA= 0 to 1000 BIAS= A



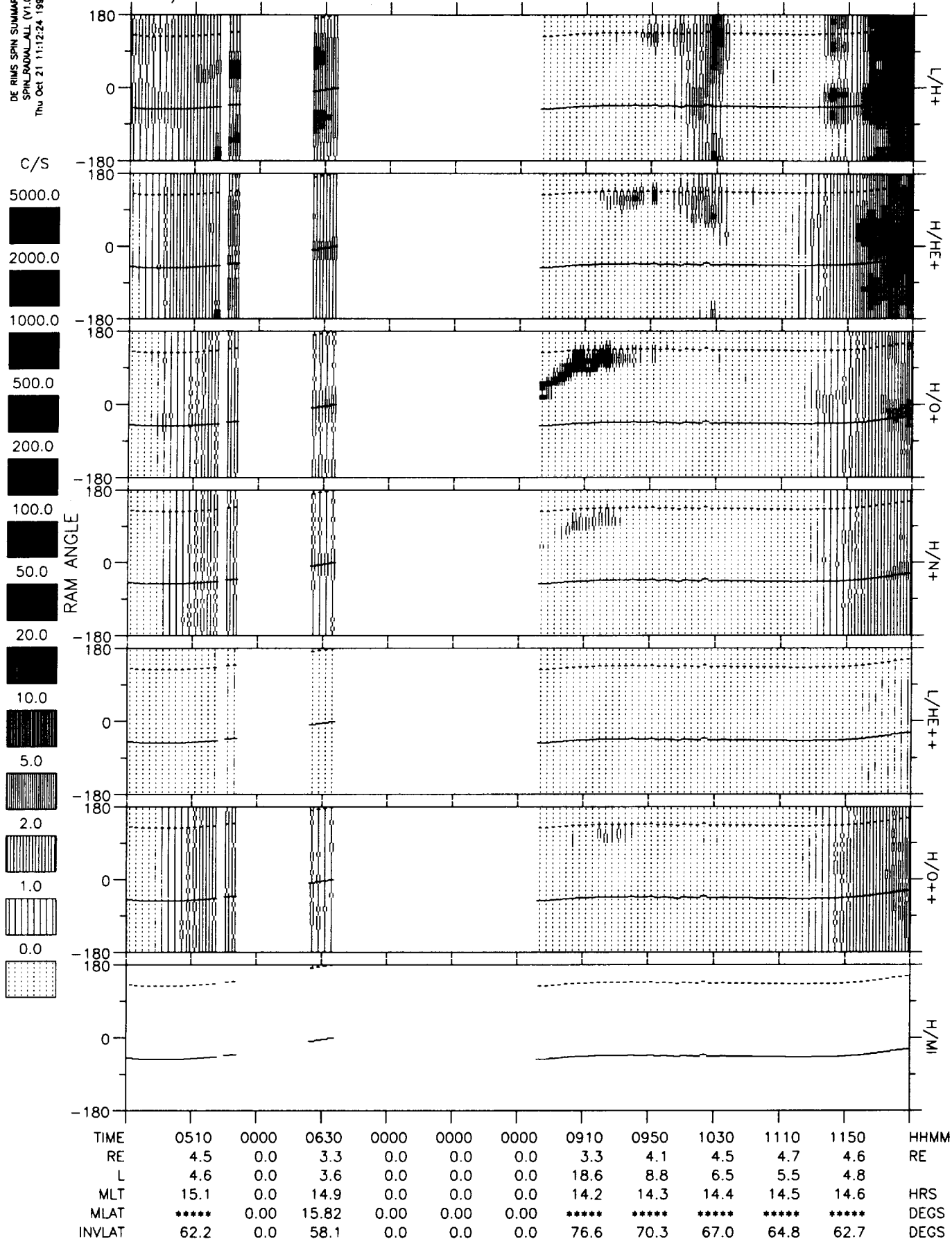
DE RMS SPIN SUMMARY
SPIN RADIAL JLT (V1.0)
Thu Oct 21 11:01:11 1993

82/196 15-JUL 2130:00 - 0530:00 HEAD= RL RPA= 0 to 1000 BIAS= A



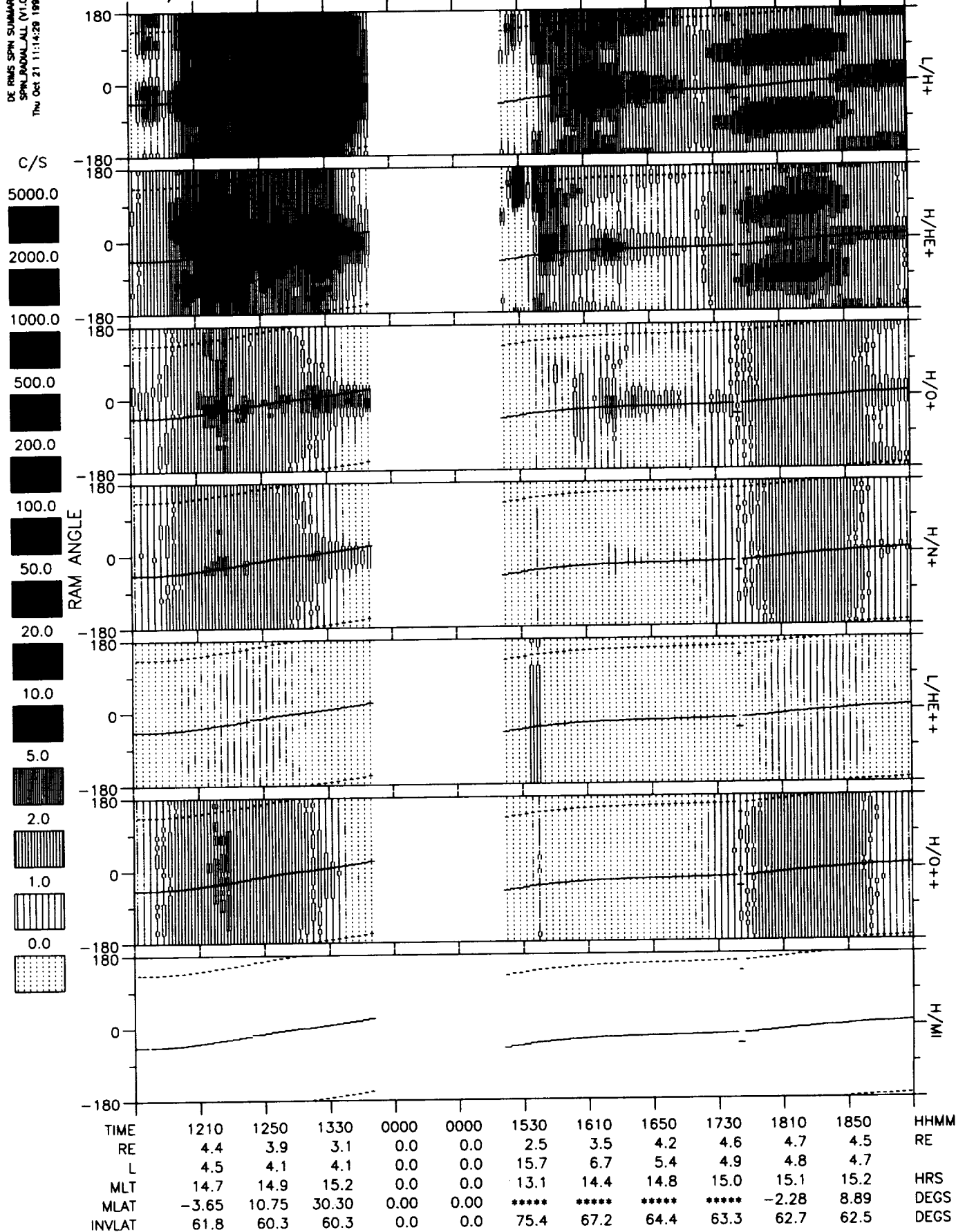
DE RIMS SPIN SUMMARY
SPIN-RADIAL-ALL (V1.0)
Thu Oct 21 11:12:24 1993

82/197 16-JUL 0430:00 - 1230:00 HEAD= RL RPA= 0 to 1000 BIAS= A



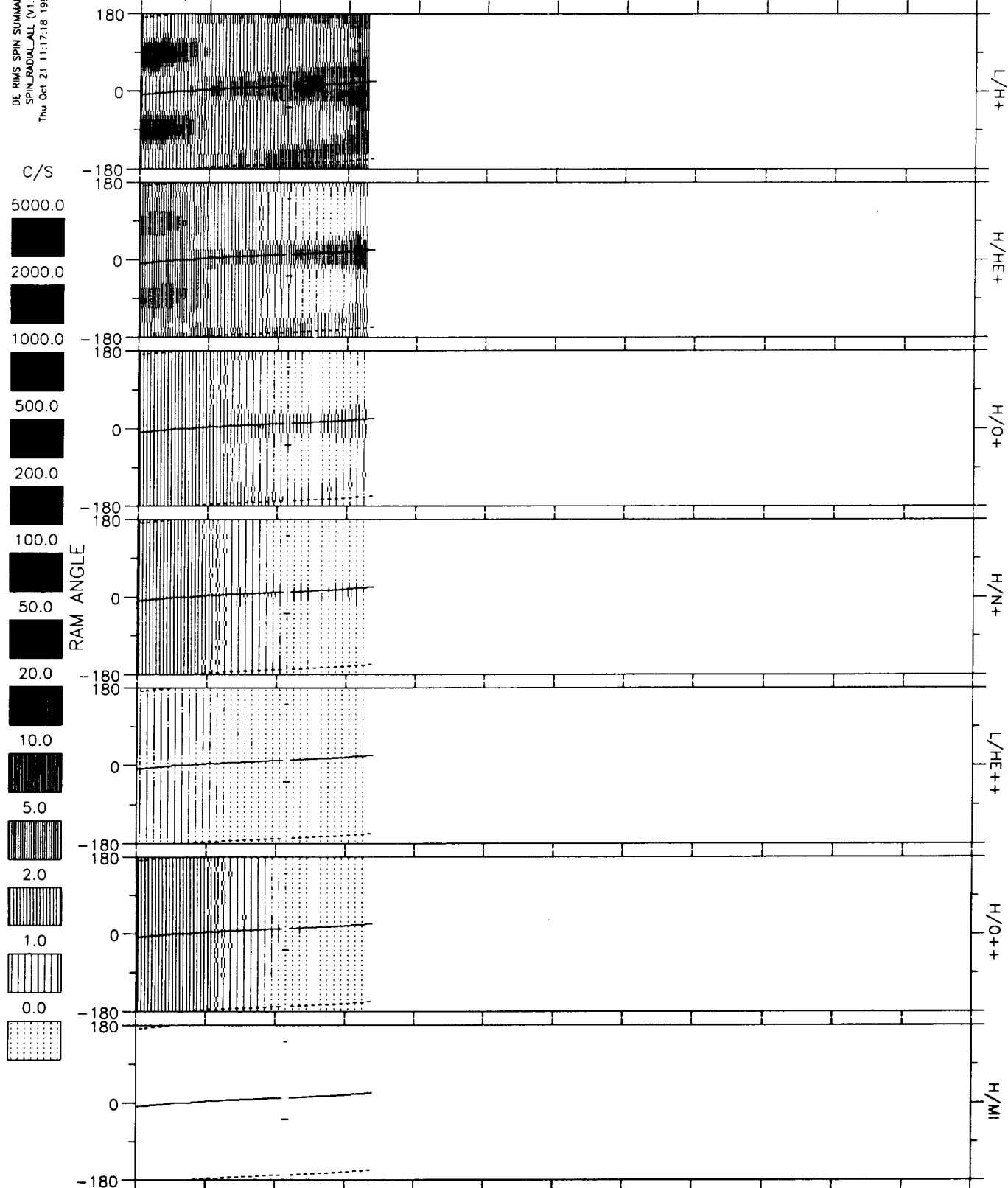
DE RMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Thu Oct 21 11:14:28 1993

82/197 16-JUL 1130:00 - 1930:00 HEAD= RL RPA= .0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN_RADIALALL (V1.0)
Thu Oct 21 11:17:18 1993

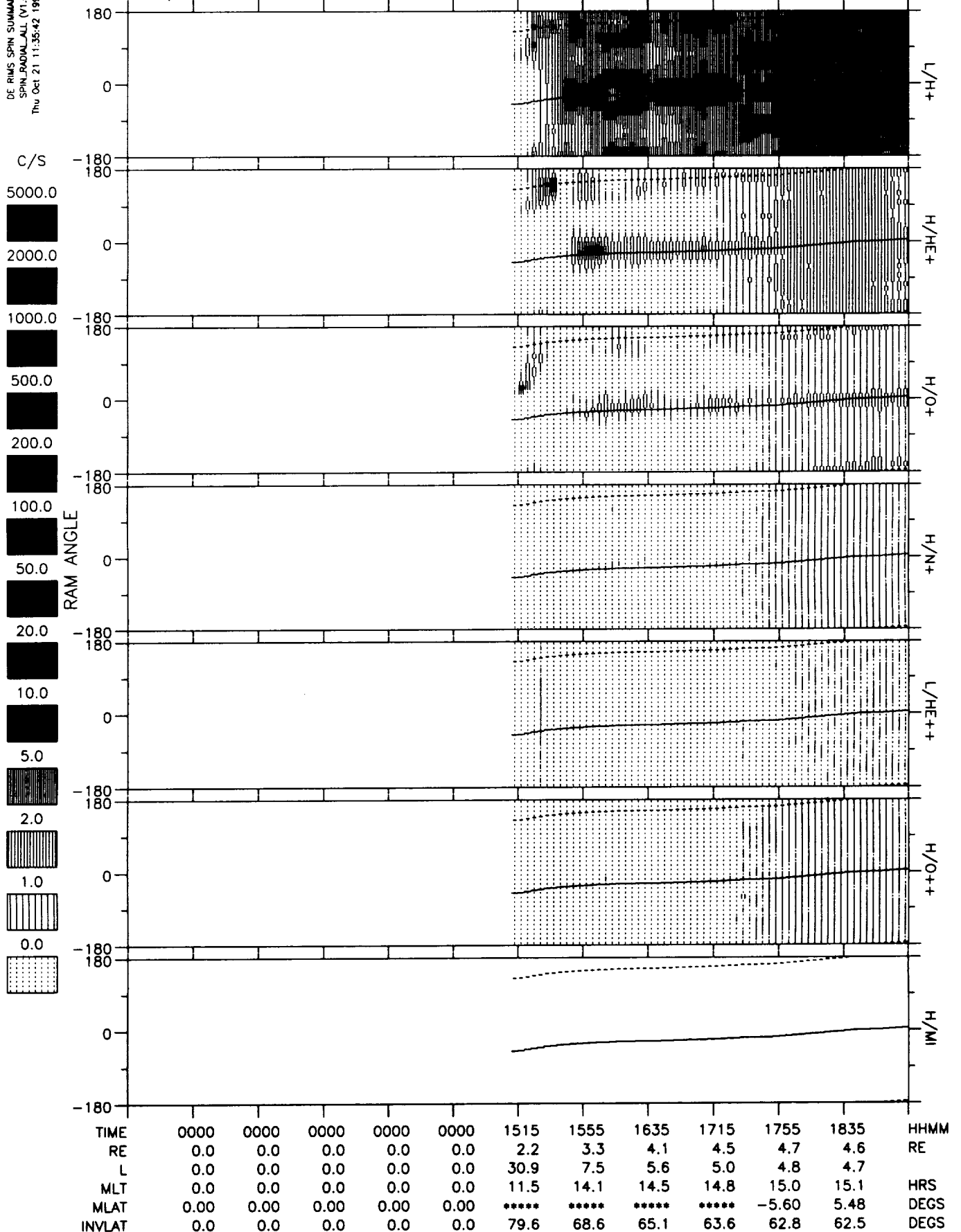
82/197 16-JUL 1815:00 - 0215:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	1855	1935	2015	0000	0000	0000	0000	0000	0000	0000	0000	HHMM
RE	4.5	4.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	RE
L	4.7	4.8	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MLT	15.2	15.3	15.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	HRS
MLAT	10.36	22.90	39.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	DEGS
INVLAT	62.5	62.9	64.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DEGS

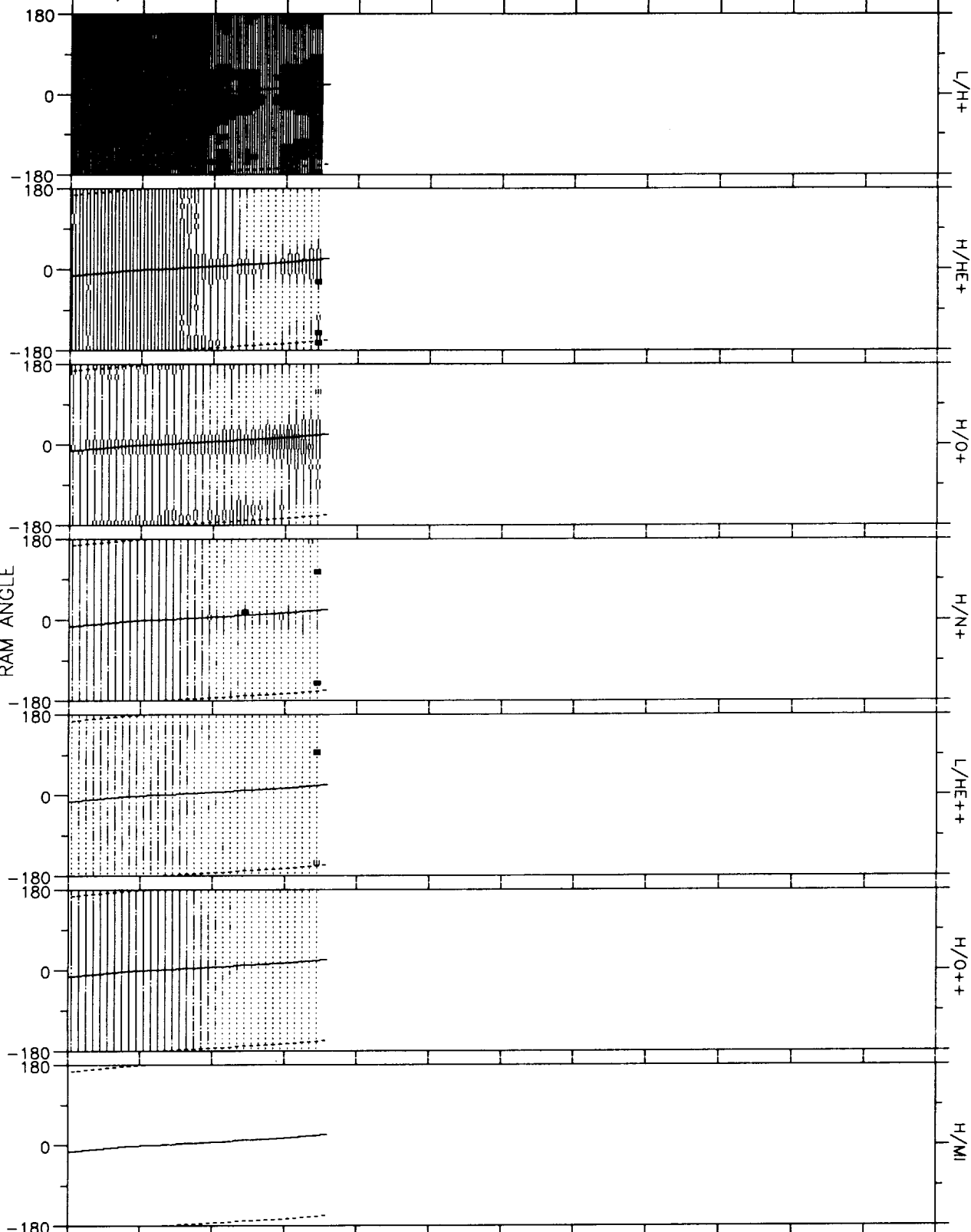
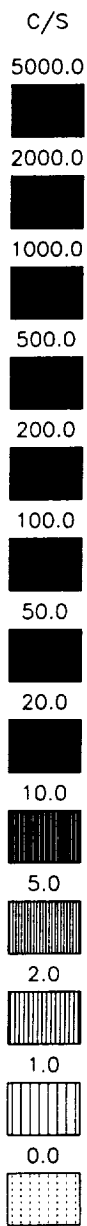
DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Thu Oct 21 11:35:42 1993

82/199 18-JUL 1115:00 - 1915:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPINRADIAL (V1.0)
Thu Oct 21 11:37:45 1993

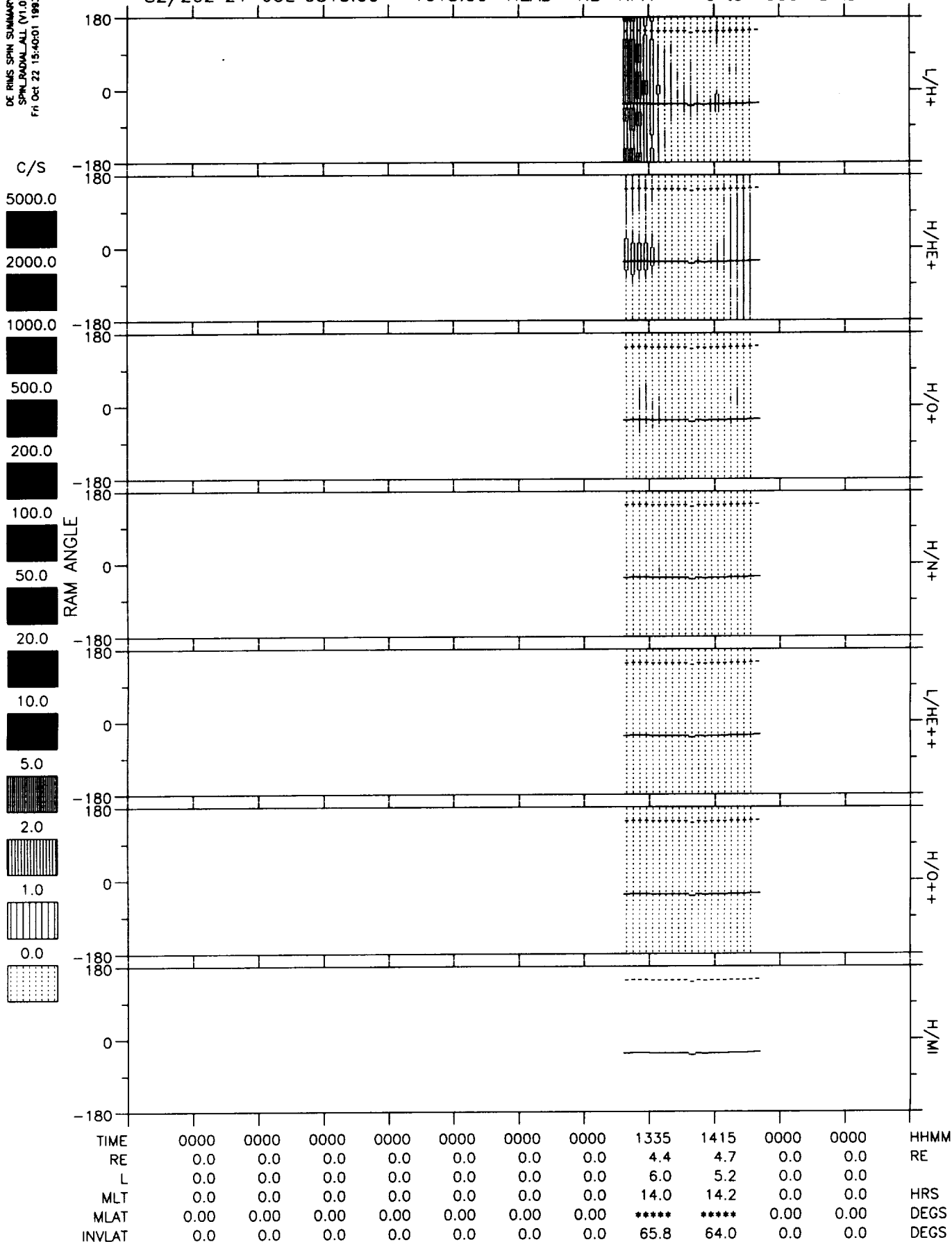
82/199 18-JUL 1800:00 - 0200:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	1840	1920	2000	0000	0000	0000	0000	0000	0000	0000	0000	HHMM
RE	4.6	4.2	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	RE
L	4.7	4.7	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
MLT	15.1	15.1	15.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	HRS
MLAT	6.91	18.99	34.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	DEGS
INVLAT	62.5	62.6	63.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DEGS

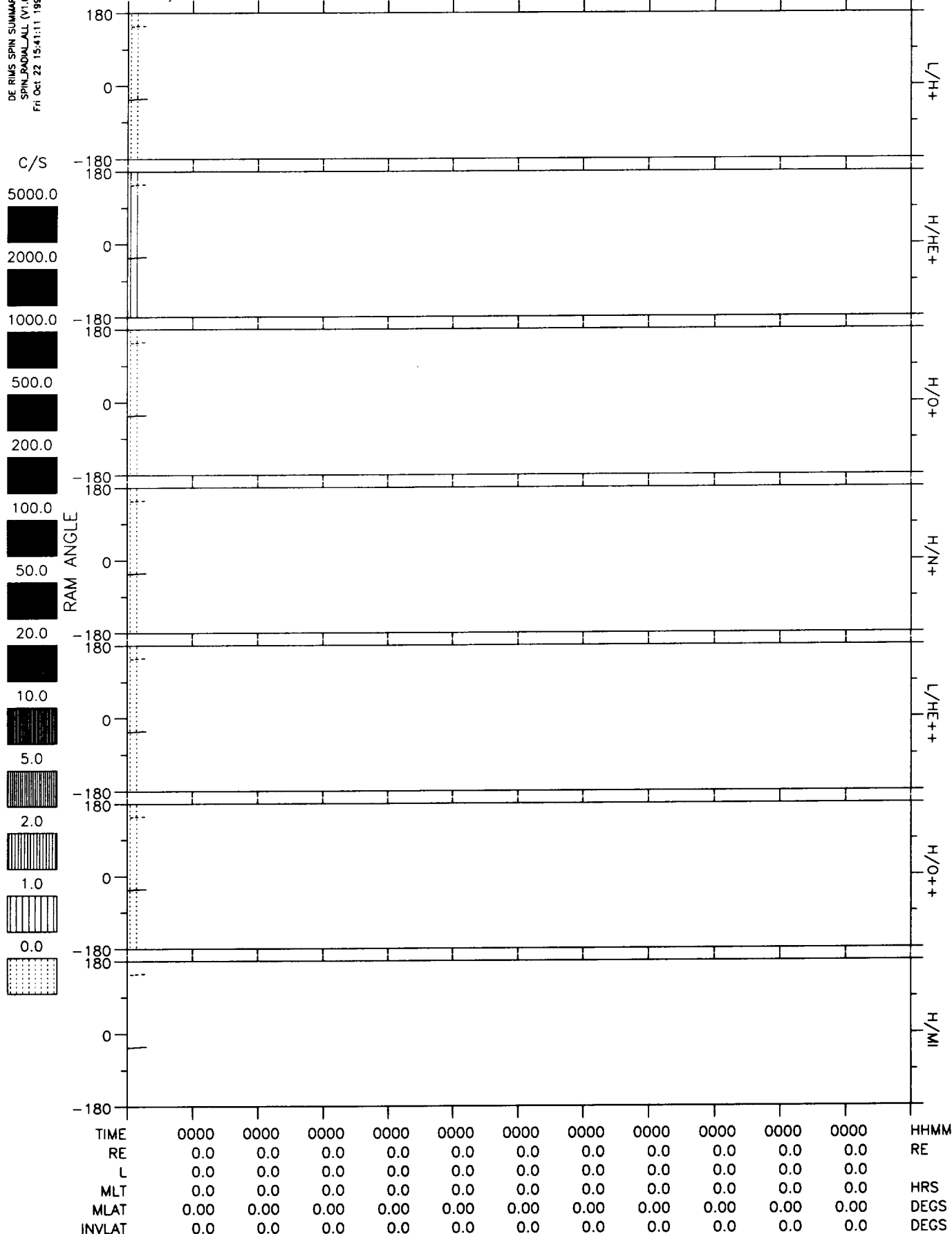
DE RIMS SPIN SUMMARY
SPIN/ADAM ALL (V1.0)
Fri Oct 22 15:40:01 1993

82/202 21-JUL 0815:00 - 1615:00 HEAD= RL RPA= 0 to 1000 BIAS= A



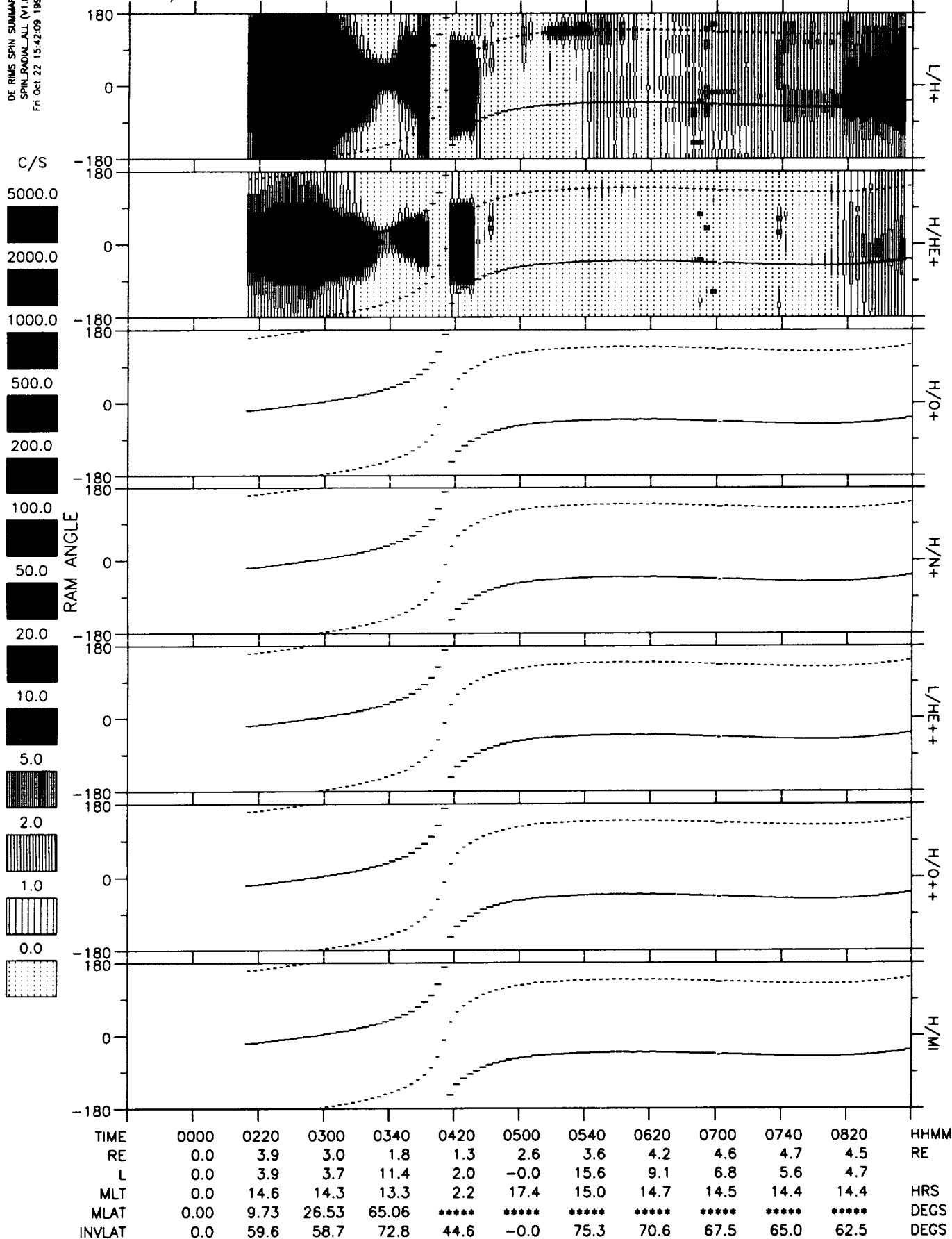
DE RIMS SPIN SUMMARY
SPIN_RADIALALL (V1.0)
Fri Oct 22 15:41:11 1993

82/202 21-JUL 1430:00 - 2230:00 HEAD= RL RPA= 0 to 1000 BIAS= A



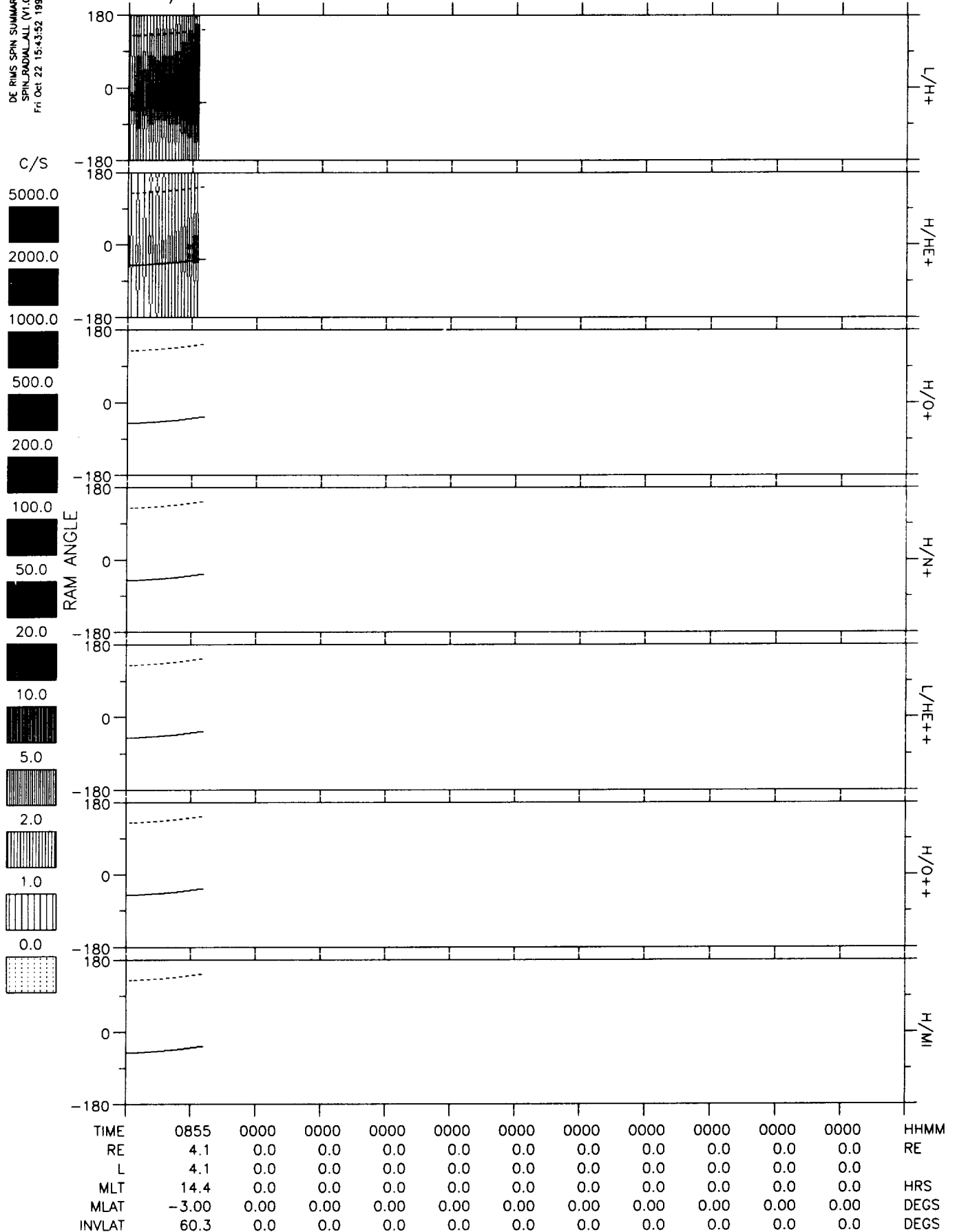
DE RIMS SPIN SUMMARY
SPIN/RADIAL (V1.0)
Fri Oct 22 15:42:09 1993

82/204 23-JUL 0100:00 - 0900:00 HEAD= RL RPA= 0 to 1000 BIAS= A



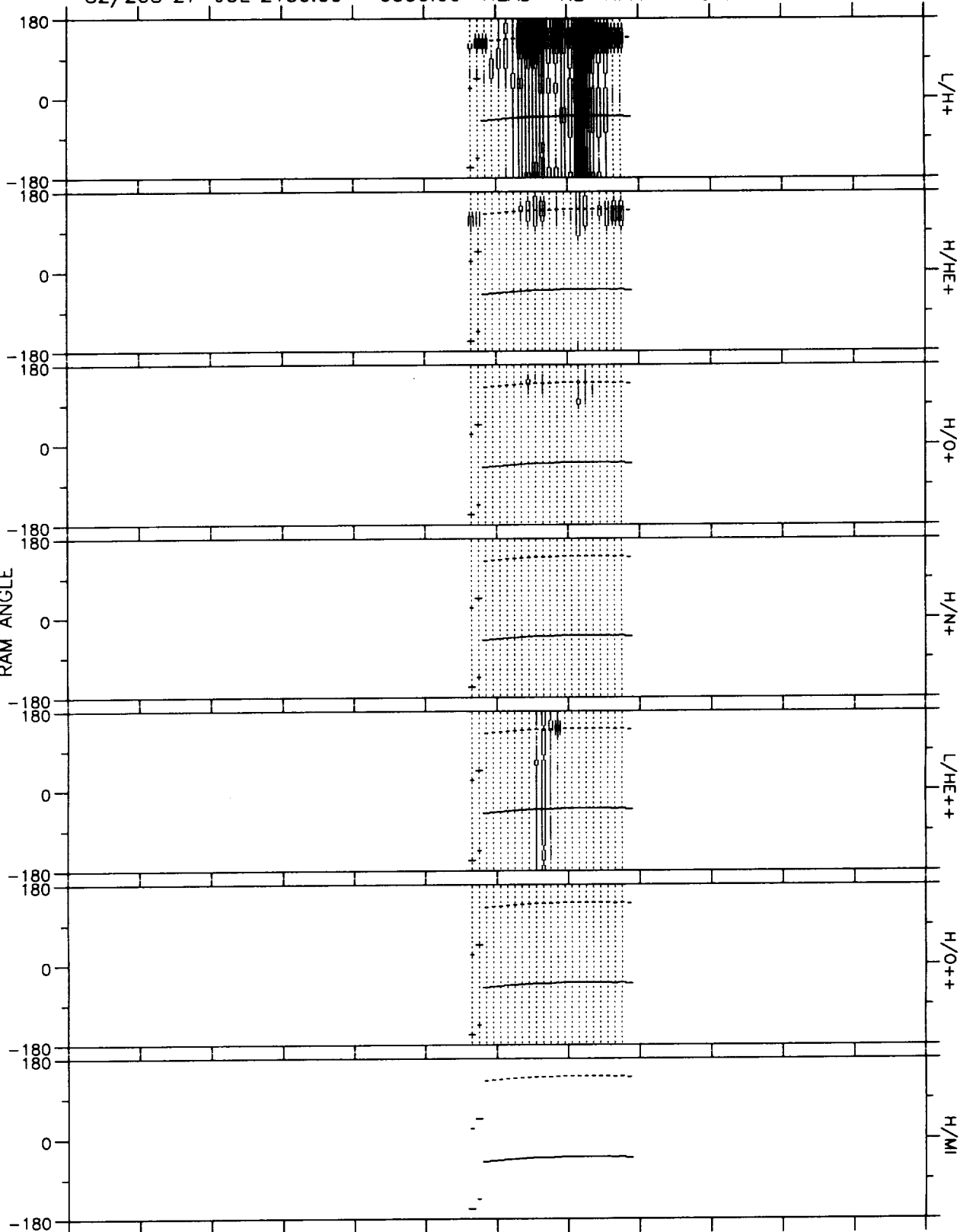
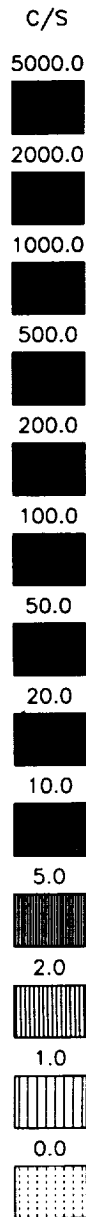
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Fri Oct 22 15:43:52 1993

82/204 23-JUL 0815:00 - 1615:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RMS SPIN SUMMARY
SPIN/RADIAL ALL (V1.0)
Fri Oct 22 15:44:56 1993

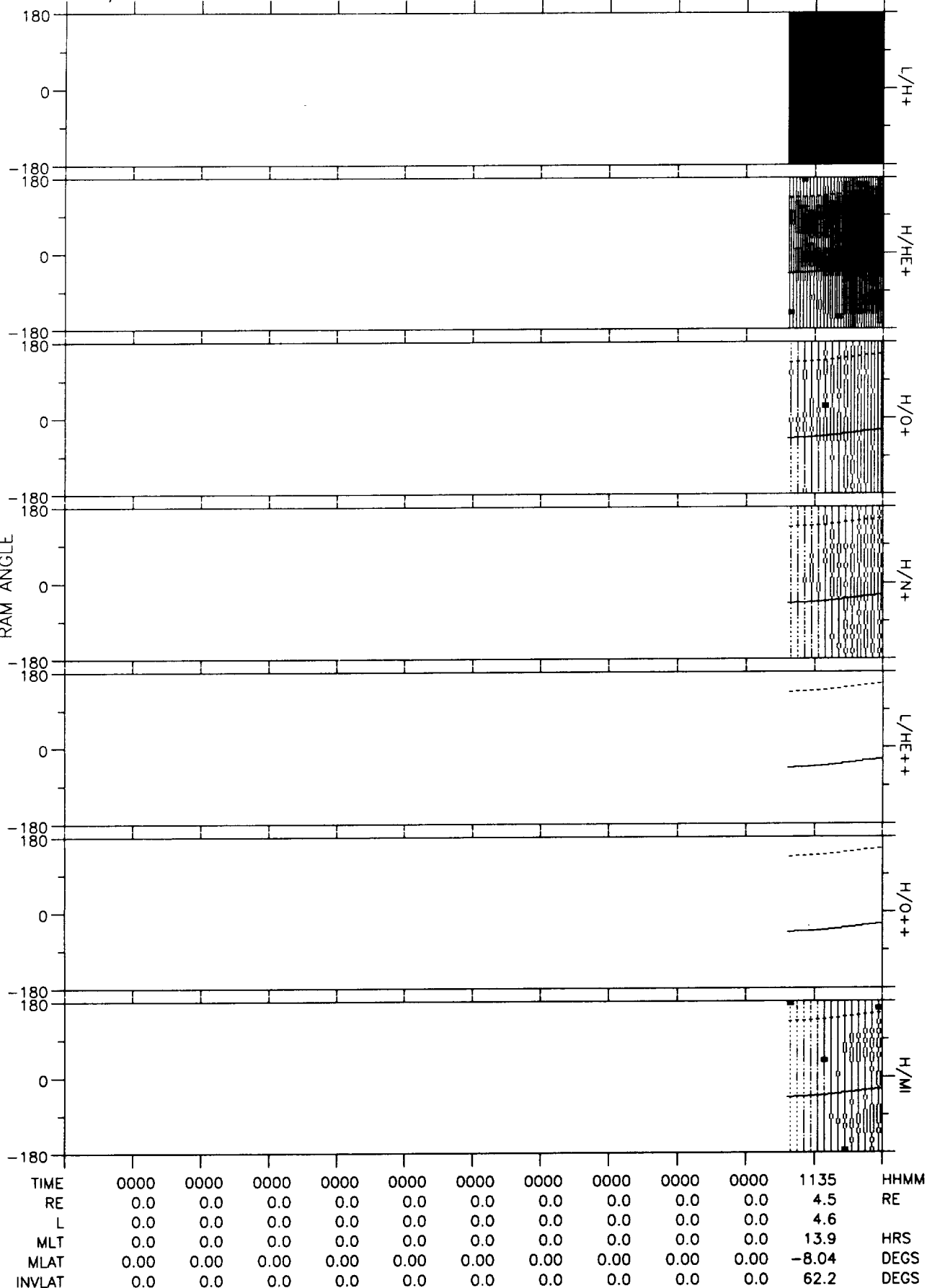
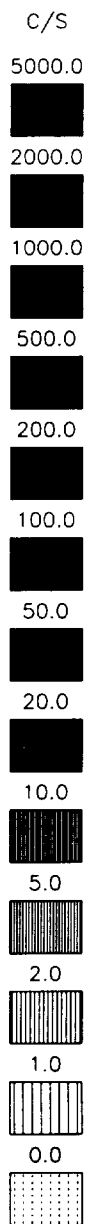
82/208 27-JUL 2130:00 - 0530:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0000	0000	0000	0000	0000	0130	0210	0000	0000	0000	0000	HHMM
RE	0.0	0.0	0.0	0.0	0.0	2.9	3.8	0.0	0.0	0.0	0.0	RE
L	0.0	0.0	0.0	0.0	0.0	21.2	9.8	0.0	0.0	0.0	0.0	
MLT	0.0	0.0	0.0	0.0	0.0	16.4	15.3	0.0	0.0	0.0	0.0	HRS
MLAT	0.00	0.00	0.00	0.00	0.00	****	****	0.00	0.00	0.00	0.00	DEGS
INVLAT	0.0	0.0	0.0	0.0	0.0	77.5	71.4	0.0	0.0	0.0	0.0	DEGS

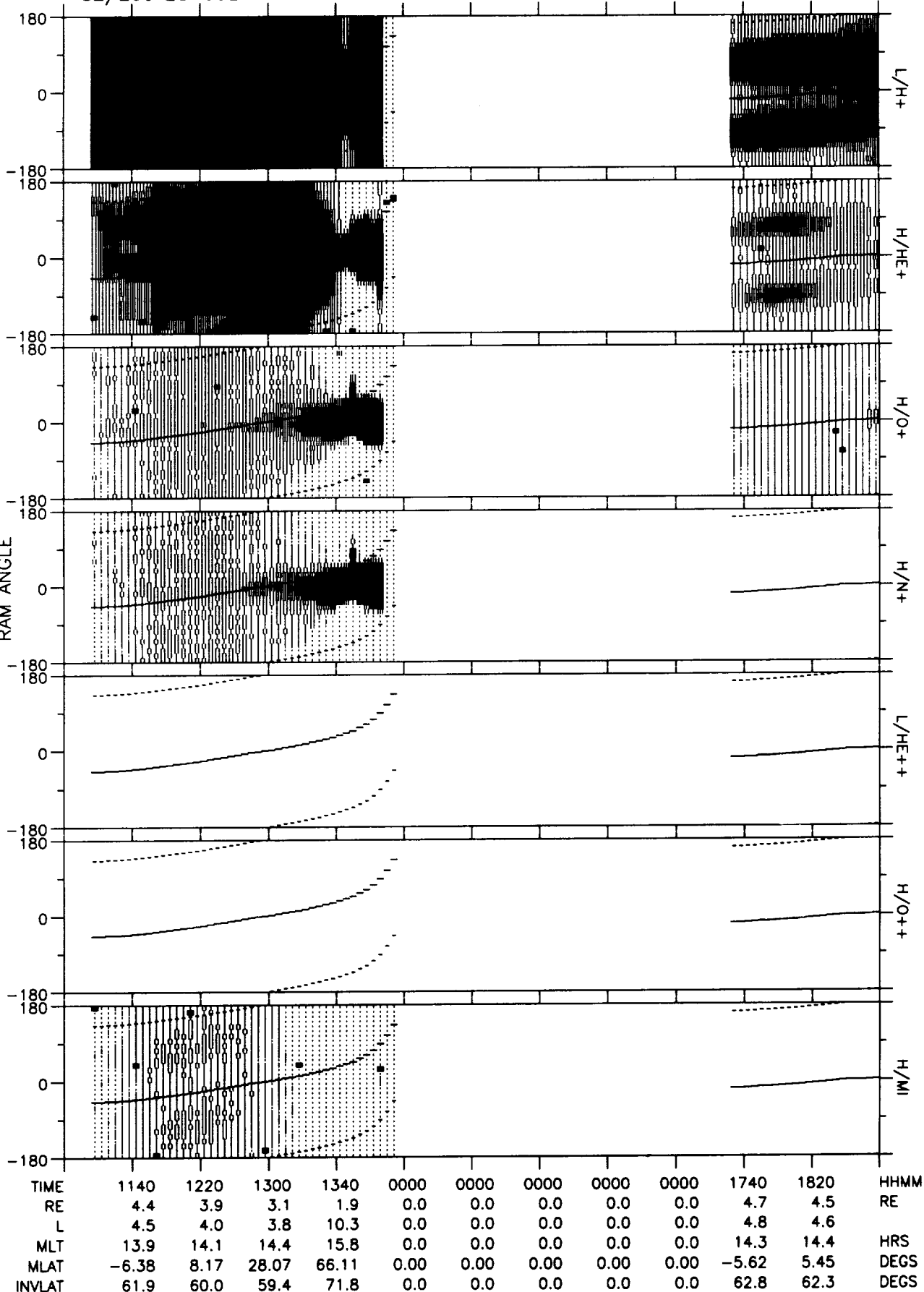
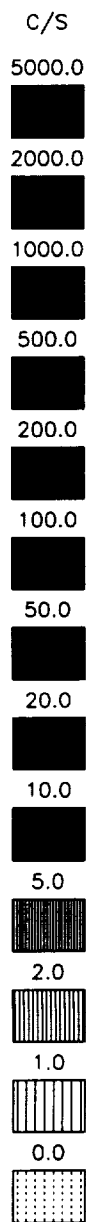
DE RIMS SPIN SUMMARY
SPIN_BA00LALL (V1.0)
Fri Oct 22 15:46:09 1993

82/209 28-JUL 0415:00 - 1215:00 HEAD= RL RPA= 0 to 1000 BIAS= A



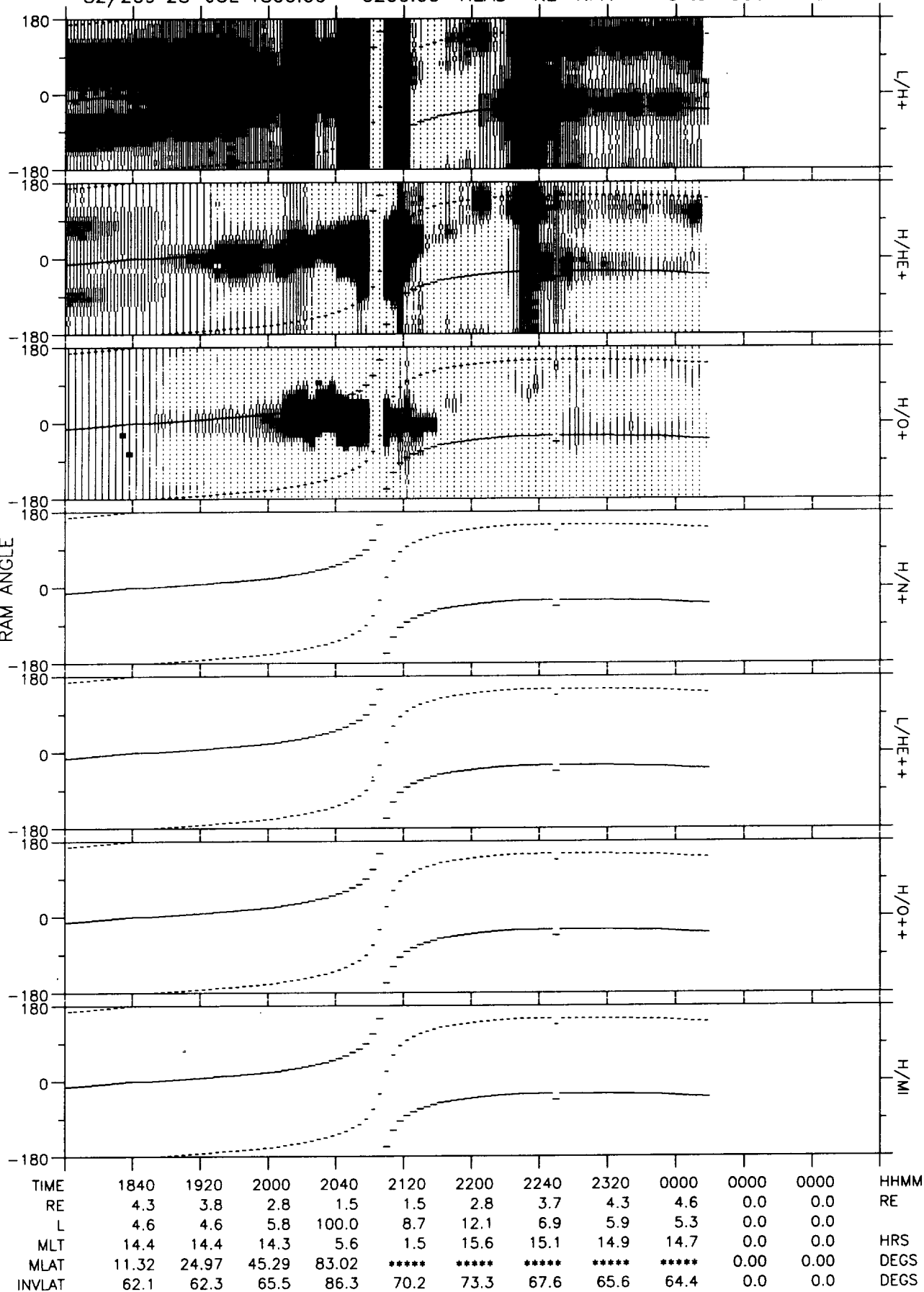
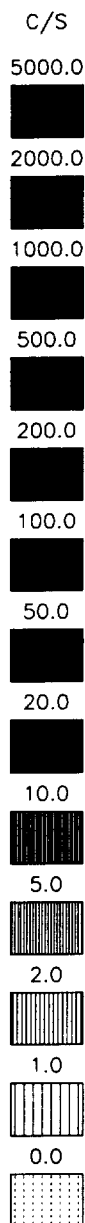
DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Fri Oct 22 15:47:28 1993

82/209 28-JUL 1100:00 - 1900:00 HEAD= RL RPA= 0 to 1000 BIAS= A



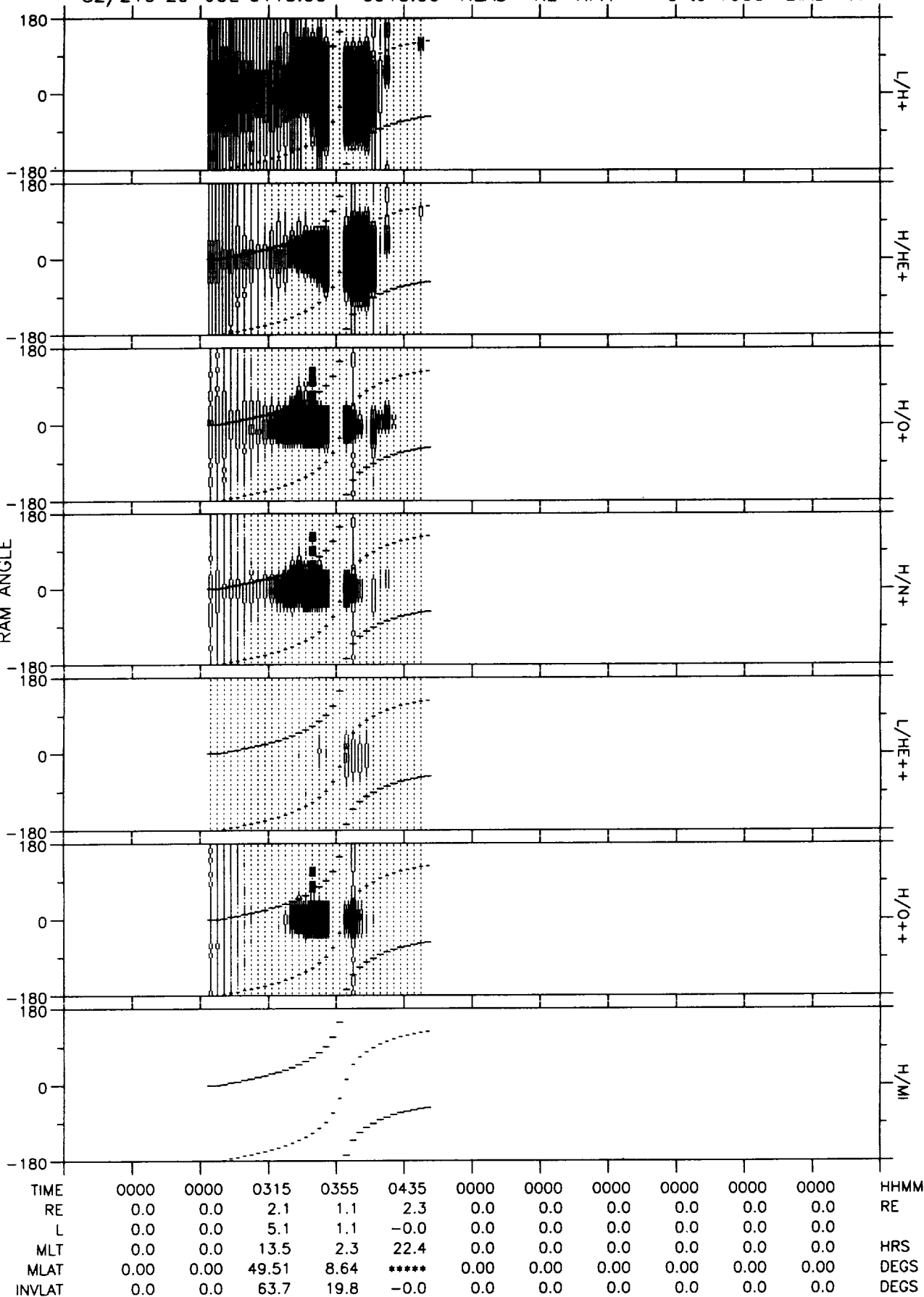
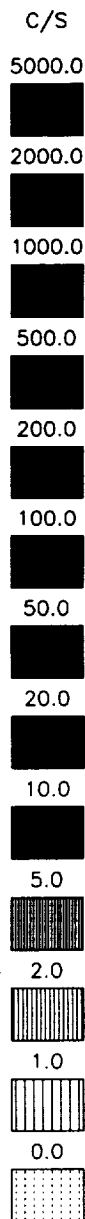
DE RIMS SPIN SUMMARY
SPIN-BADAL-ALL (V1.0)
Fri Oct 22 15:49:57 1993

82/209 28-JUL 1800:00 - 0200:00 HEAD= RL RPA= 0 to 1000 BIAS= A



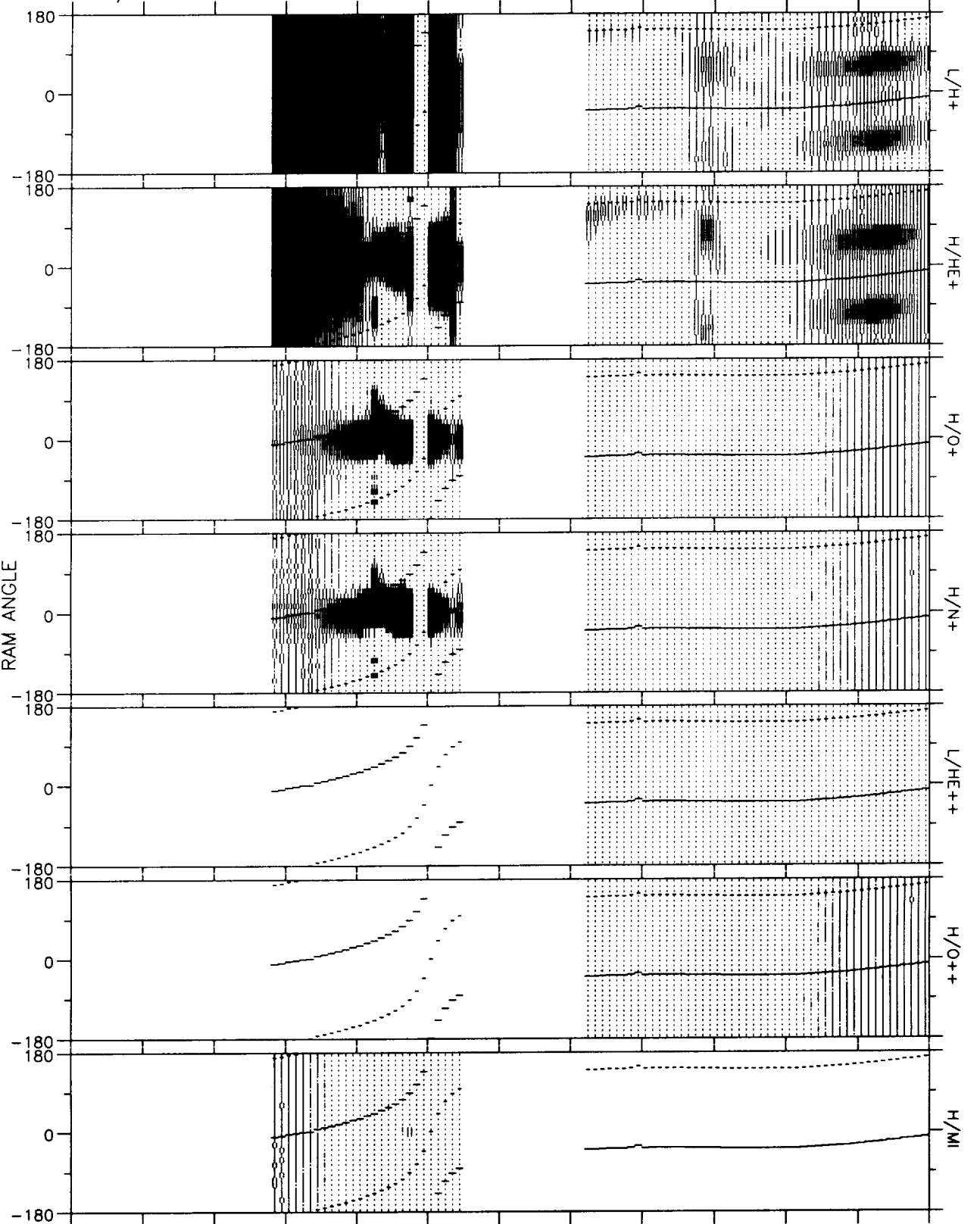
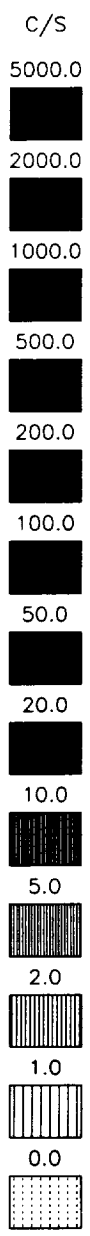
DE RMS SPIN SUMMARY
SPIN_BROWALL (V1.0)
Fri Oct 22 15:52:02 1993

82/210 29-JUL 0115:00 - 0915:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN_RADIALALL (V1.0)
Fri Oct 22 15:53:34 1993

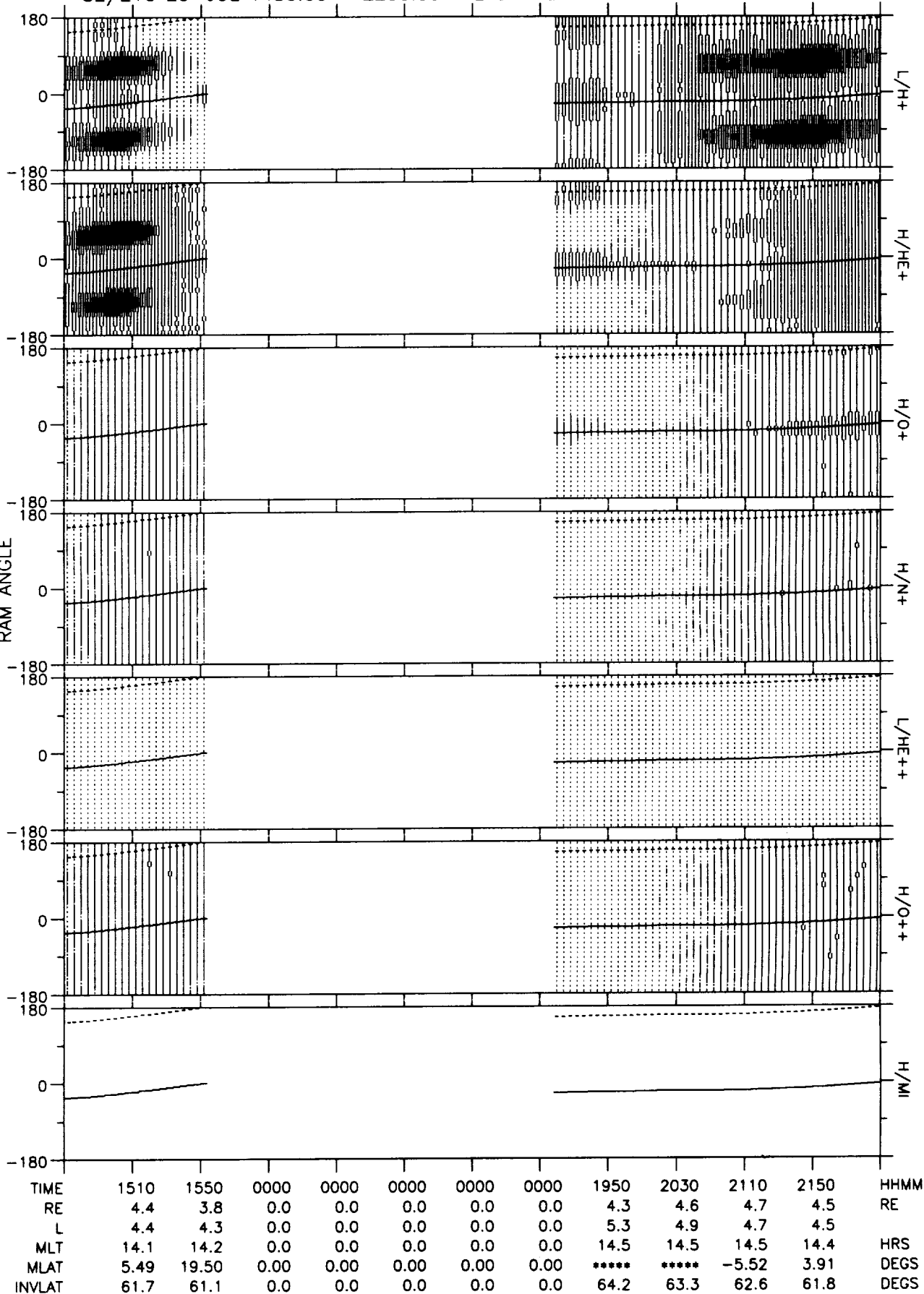
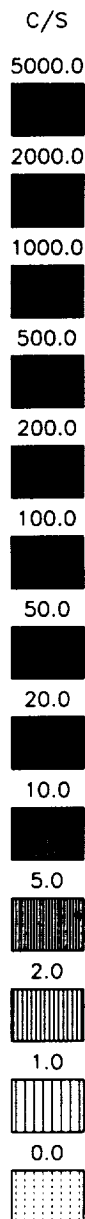
82/210 29-JUL 0730:00 - 1530:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0000	0000	0930	1010	1050	0000	0000	1250	1330	1410	1450	HHMM
RE	0.0	0.0	3.1	1.9	1.2	0.0	0.0	4.2	4.6	4.7	4.5	RE
L	0.0	0.0	3.5	6.2	1.2	0.0	0.0	7.1	5.8	5.1	4.6	
MLT	0.0	0.0	14.2	14.8	2.1	0.0	0.0	13.3	13.5	13.8	14.0	HRS
MLAT	0.00	0.00	17.92	54.54	*****	0.00	0.00	*****	*****	*****	-0.97	DEGS
INVLAT	0.0	0.0	57.6	66.4	25.5	0.0	0.0	68.0	65.4	63.6	62.2	DEGS

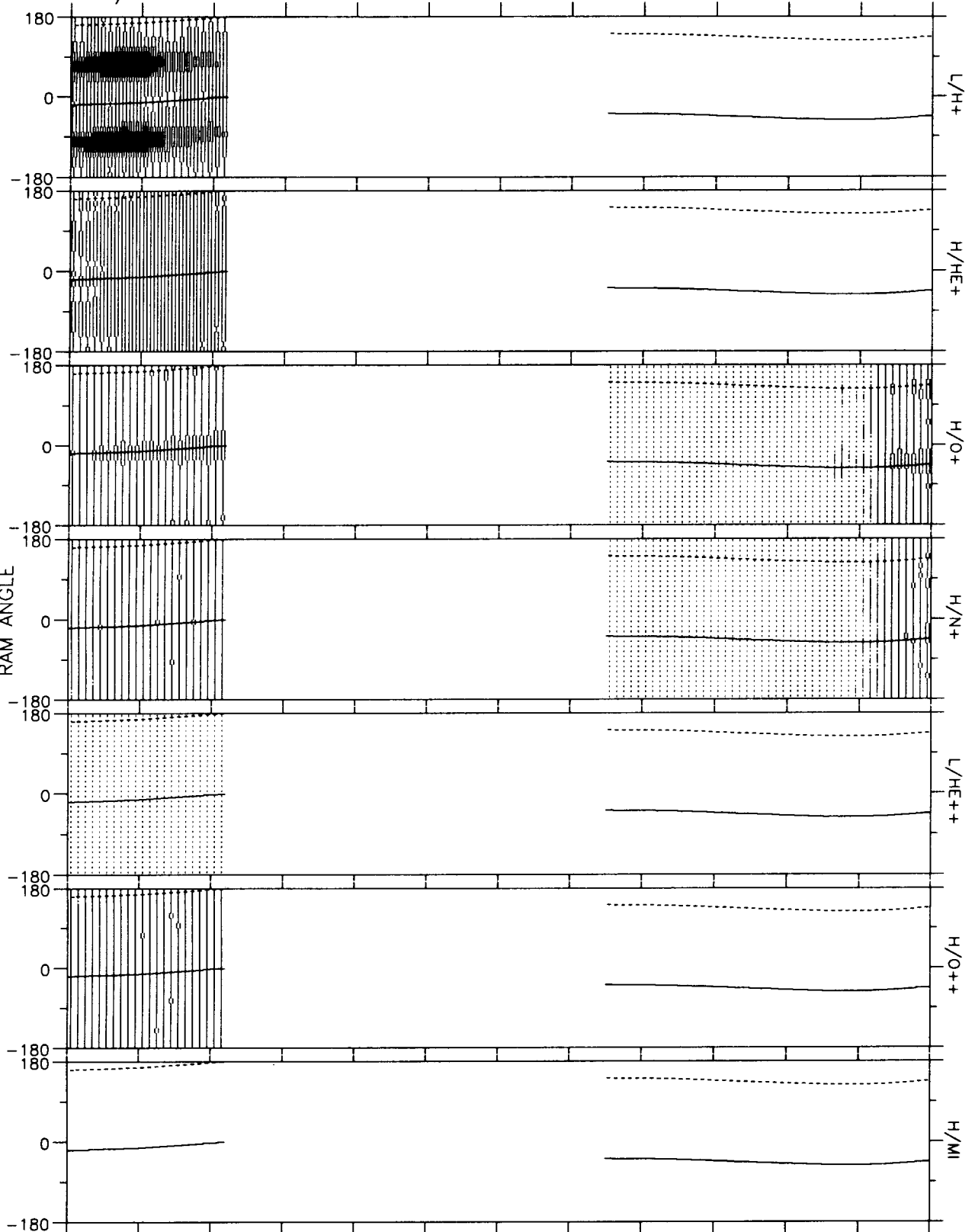
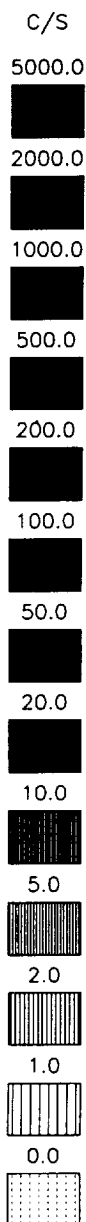
DE RIMS SPIN SUMMARY
SPIN_RADIALL (V1.0)
Fri Oct 22 16:00:16 1993

82/210 29-JUL 1430:00 - 2230:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Fri Oct 22 16:02:04 1993

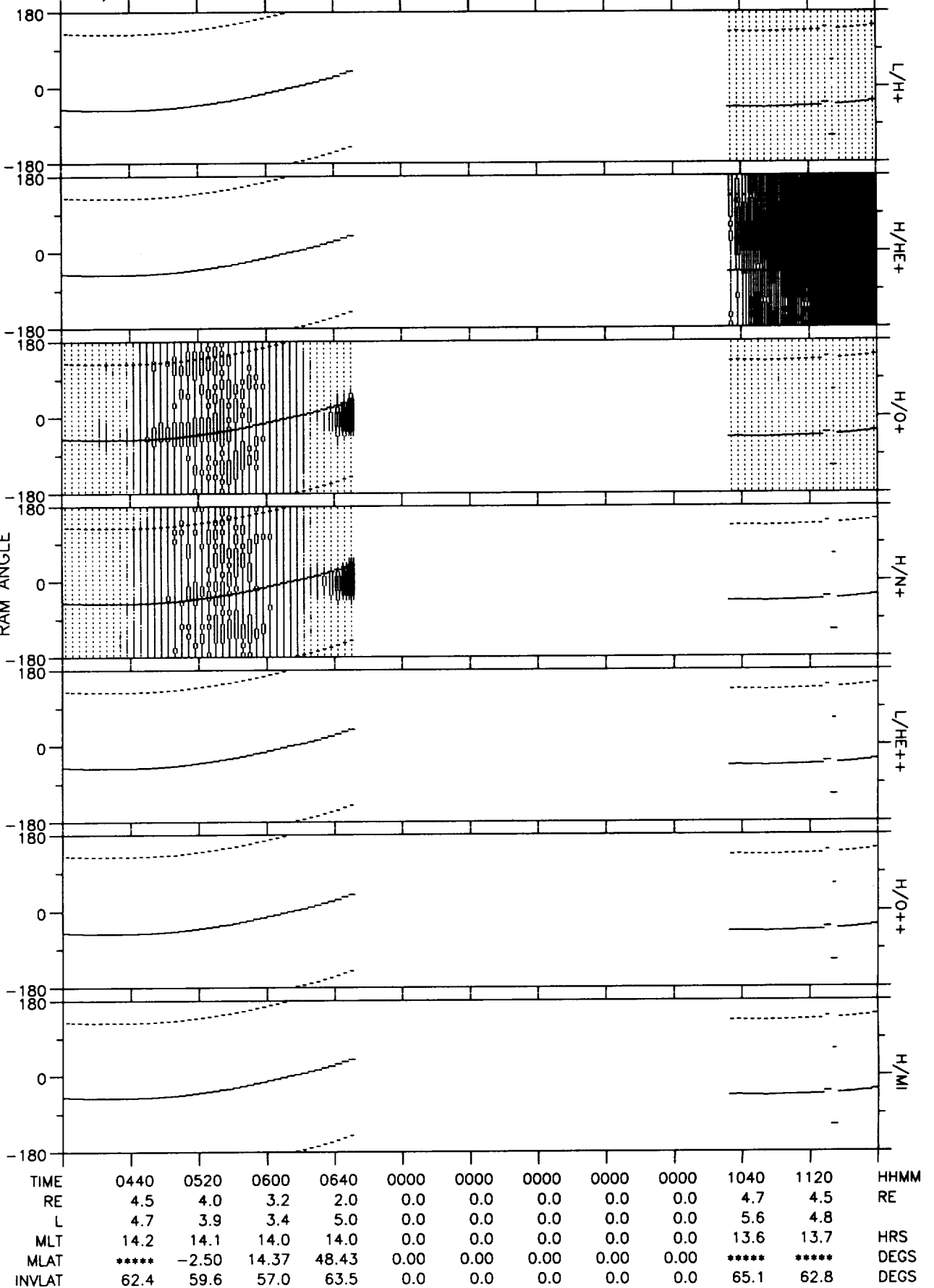
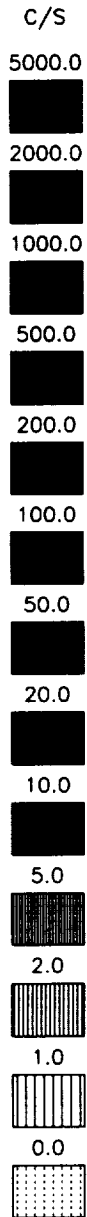
82/210 29-JUL 2115:00 - 0515:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	2155	2235	0000	0000	0000	0000	0000	0235	0315	0355	0435	HHMM
RE	4.4	3.9	0.0	0.0	0.0	0.0	0.0	4.2	4.6	4.7	4.5	RE
L	4.4	4.2	0.0	0.0	0.0	0.0	0.0	8.1	6.6	5.6	4.8	
MLT	14.4	14.2	0.0	0.0	0.0	0.0	0.0	14.8	14.6	14.4	14.2	HRS
MLAT	5.14	16.41	0.00	0.00	0.00	0.00	0.00	*****	*****	*****	*****	DEGS
INVLAT	61.7	60.8	0.0	0.0	0.0	0.0	0.0	69.4	67.1	65.1	62.8	DEGS

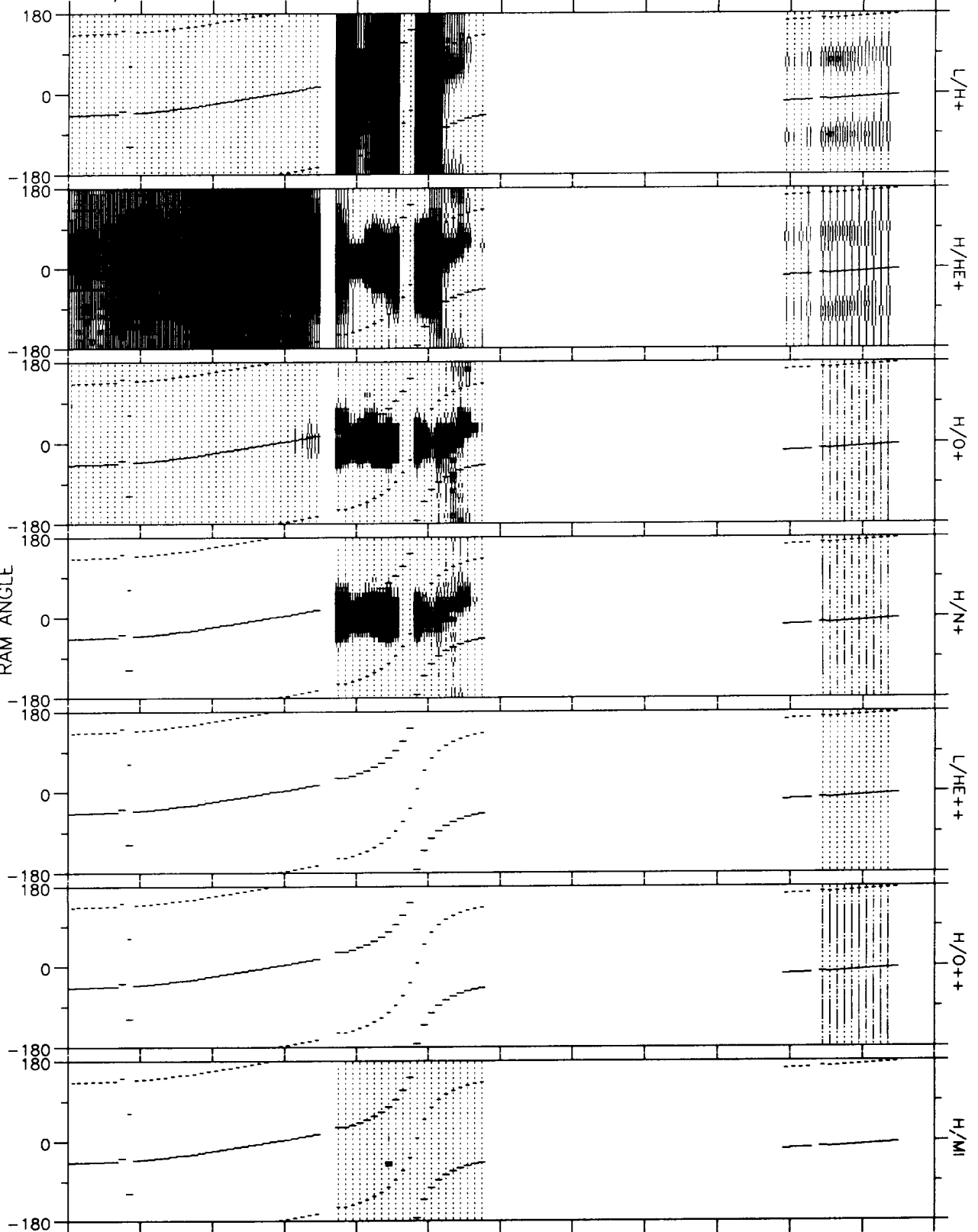
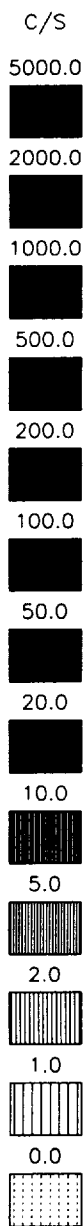
DE RMS SPIN SUMMARY
SPIN/RADIAL ALL (V1.0)
Fri Oct 22 16:03:31 1993

82/211 30-JUL 0400:00 - 1200:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN_RADIALALL (V1.0)
Fri Oct 22 16:04:53 1993

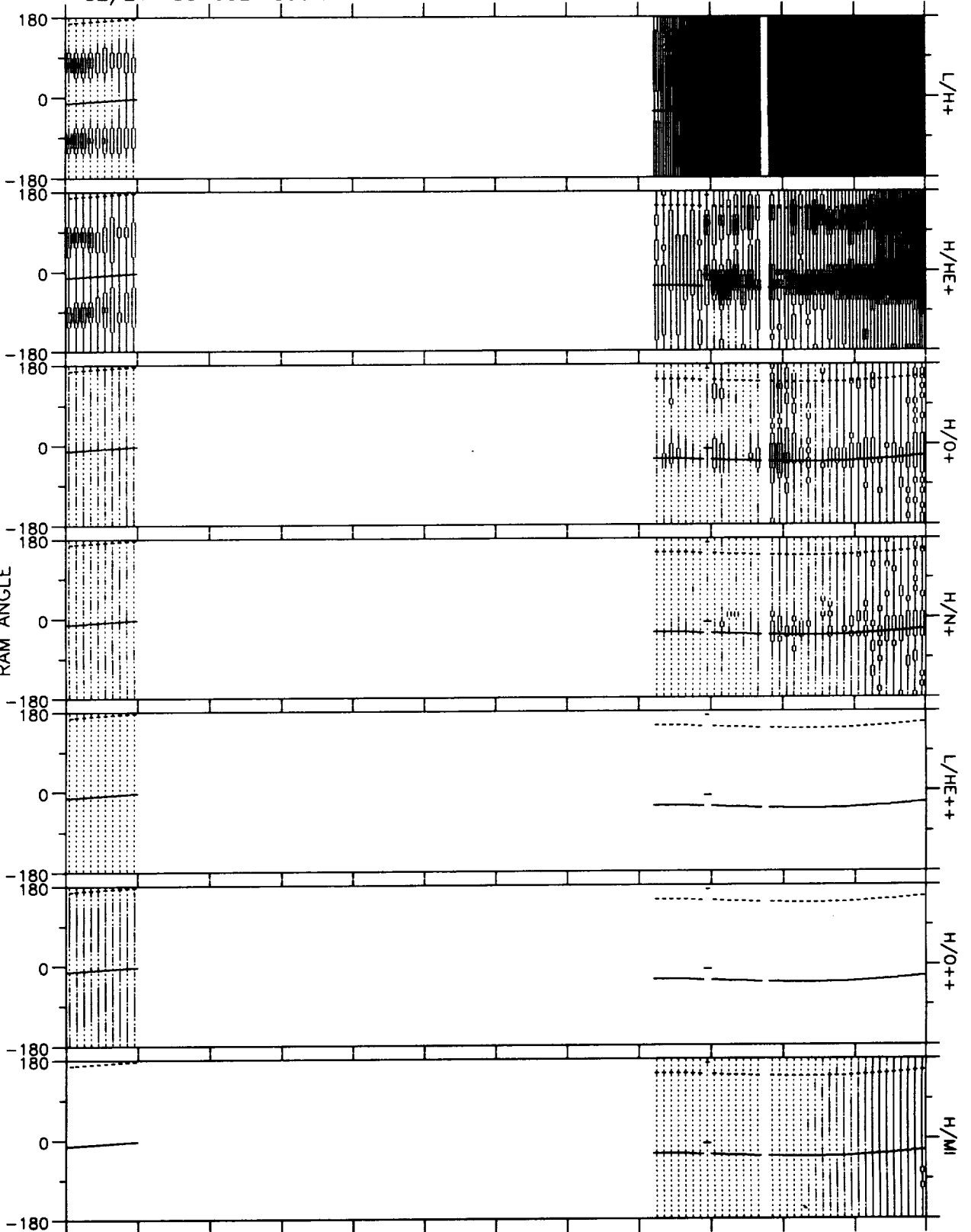
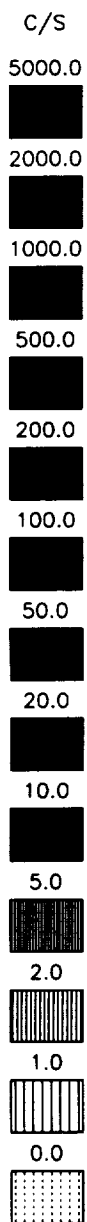
82/211 30-JUL 1100:00 - 1900:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	1140	1220	1300	1340	1420	0000	0000	0000	0000	1740	1820	HHMM
RE	4.4	3.8	3.0	1.7	1.4	0.0	0.0	0.0	0.0	4.7	4.5	RE
L	4.4	3.9	3.9	20.1	3.3	0.0	0.0	0.0	0.0	4.8	4.6	
MLT	13.8	14.0	14.3	16.7	2.7	0.0	0.0	0.0	0.0	14.1	14.2	HRS
MLAT	-5.17	9.83	30.90	73.61	*****	0.00	0.00	0.00	0.00	-4.82	6.30	DEGS
INVLAT	61.7	59.8	59.4	77.1	56.8	0.0	0.0	0.0	0.0	62.8	62.2	DEGS

DE RIMS SPIN SUMMARY
SPIN-RADIAL ALL (V1.0)
Fri Oct 22 16:06:51 1993

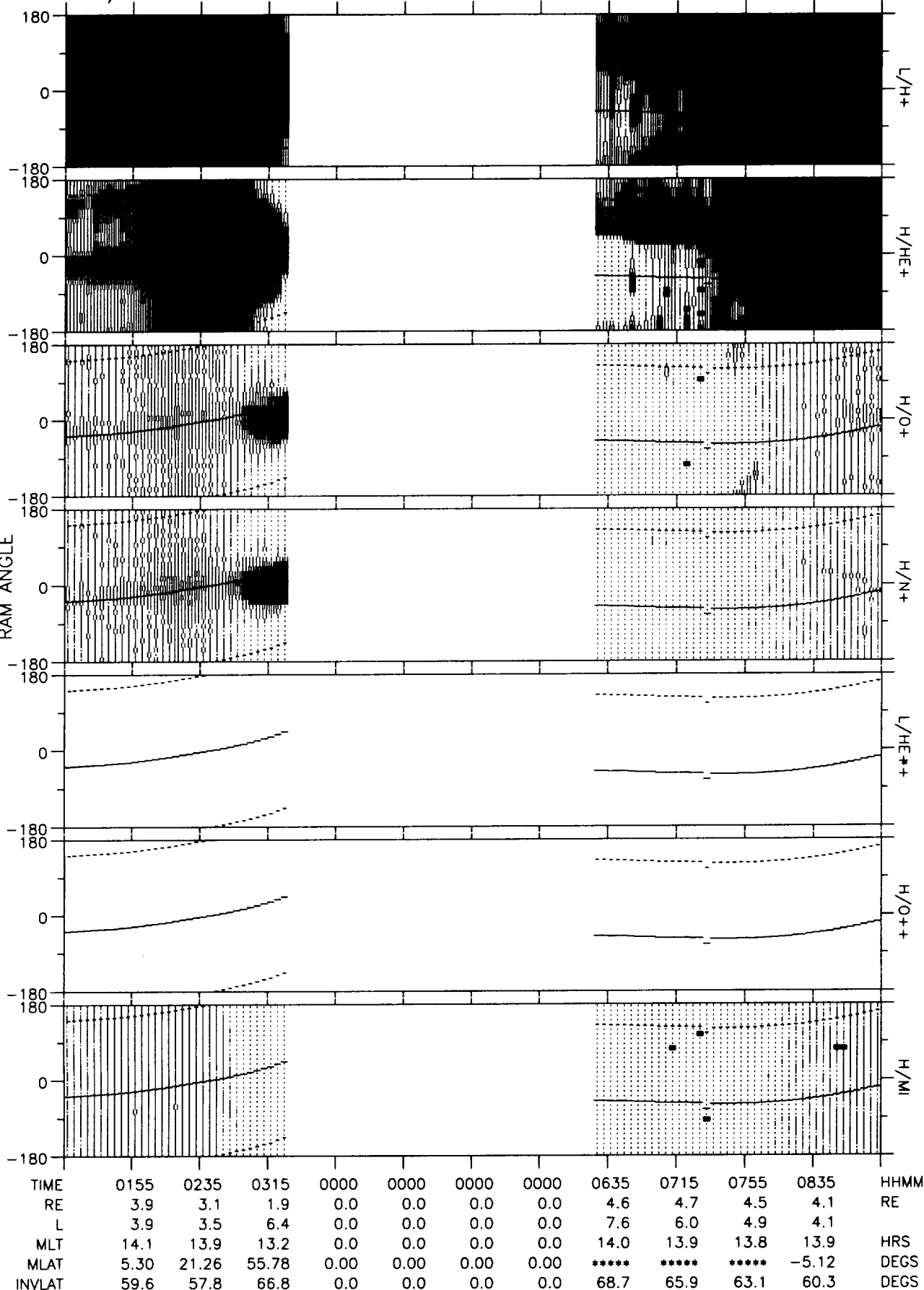
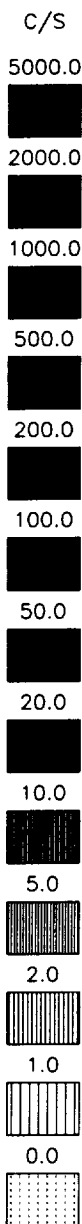
82/211 30-JUL 1800:00 - 0200:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0000	0000	0000	0000	0000	0000	0000	0000	0000	0040	0120	HHMM
RE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	4.6	4.4	RE
L	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	4.9	4.4	
MLT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.6	14.4	14.3	HRS
MLAT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	*****	*****	-4.11	DEGS
INVLAT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.4	63.1	61.4	DEGS

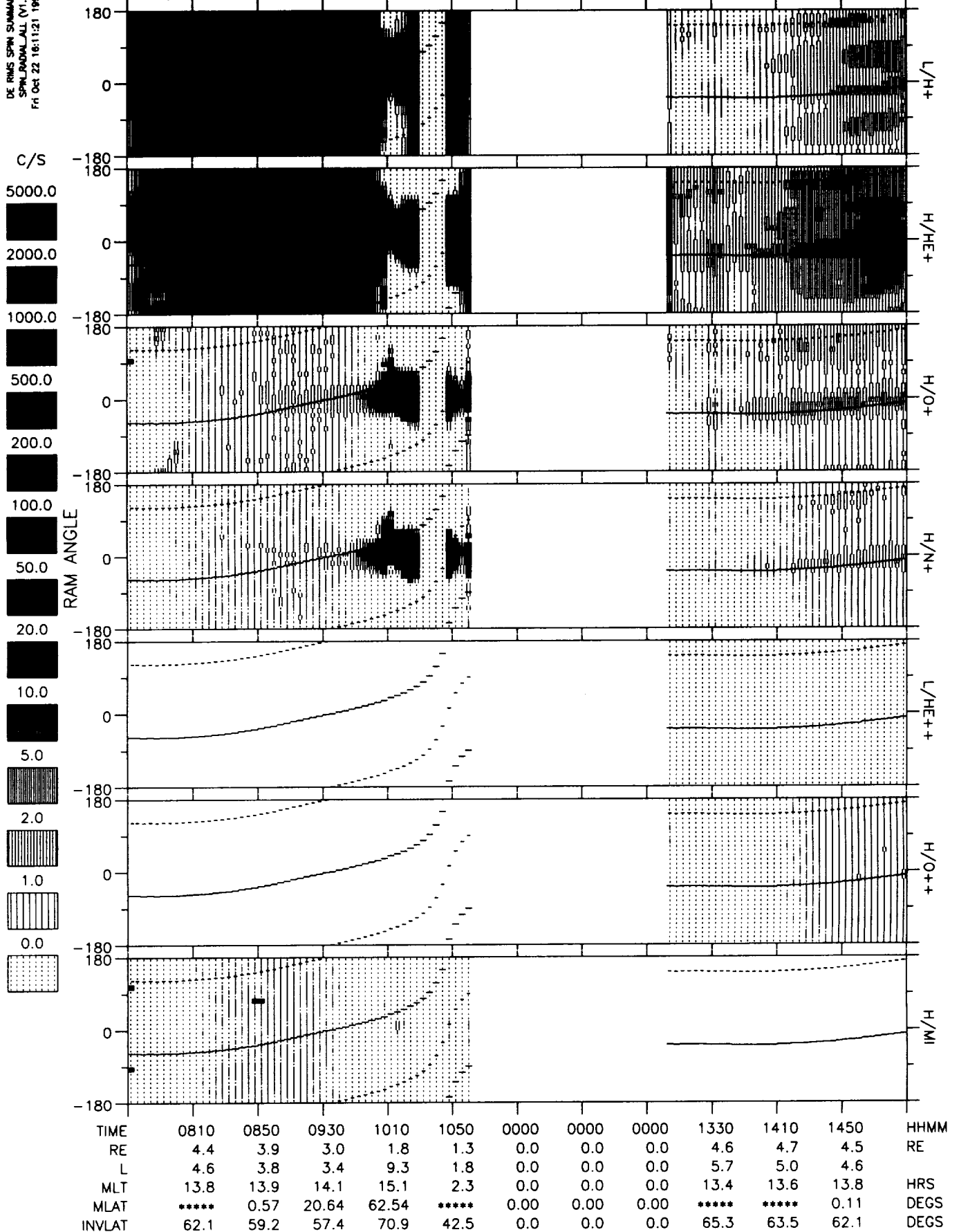
DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Fri Oct 22 16:08:30 1993

82/212 31-JUL 0115:00 - 0915:00 HEAD= RL RPA= 0 to 1000 BIAS= A



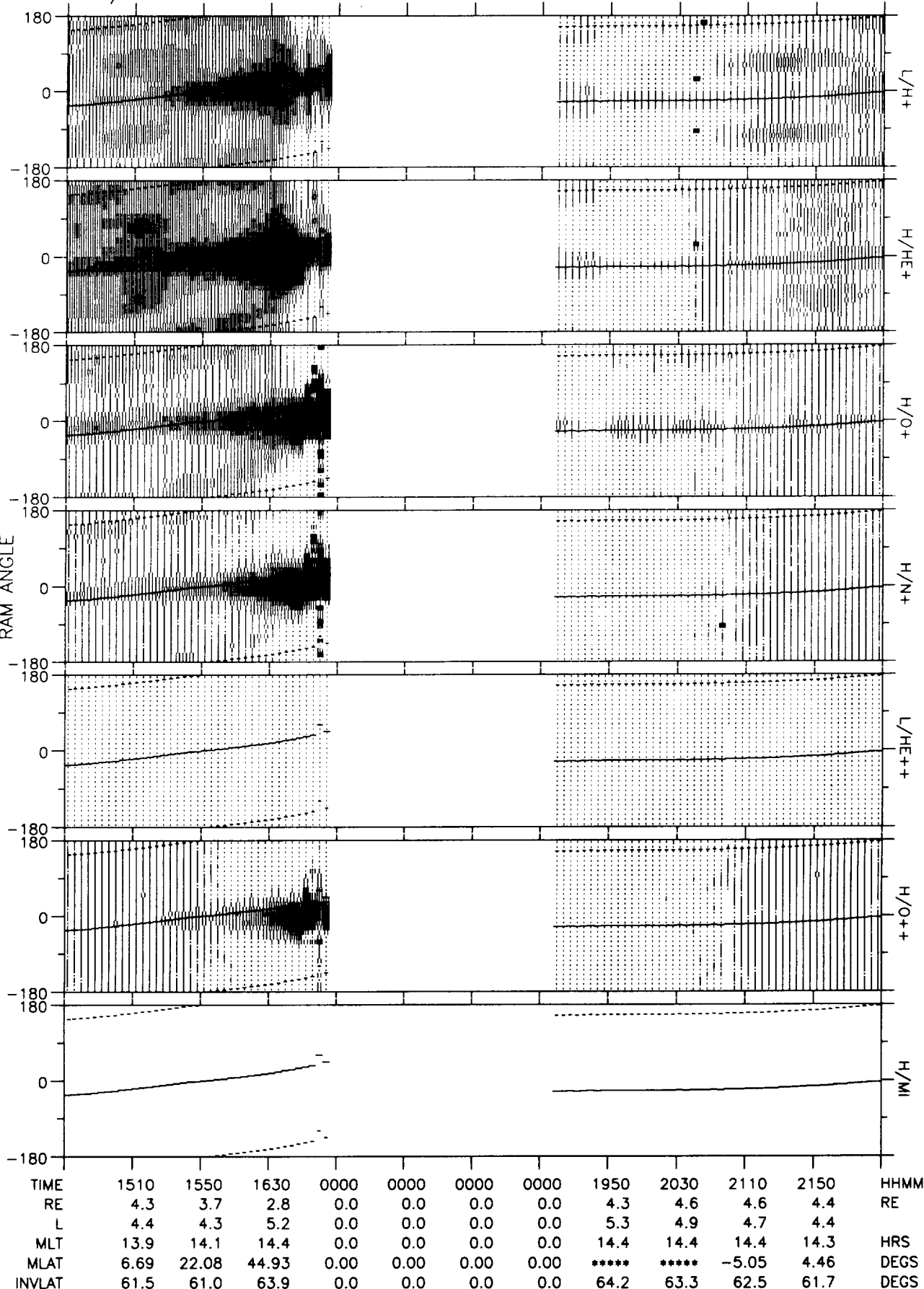
DE RMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Fri Oct 22 16:11:21 1993

82/212 31-JUL 0730:00 - 1530:00 HEAD= RL RPA= 0 to 1000 BIAS= A



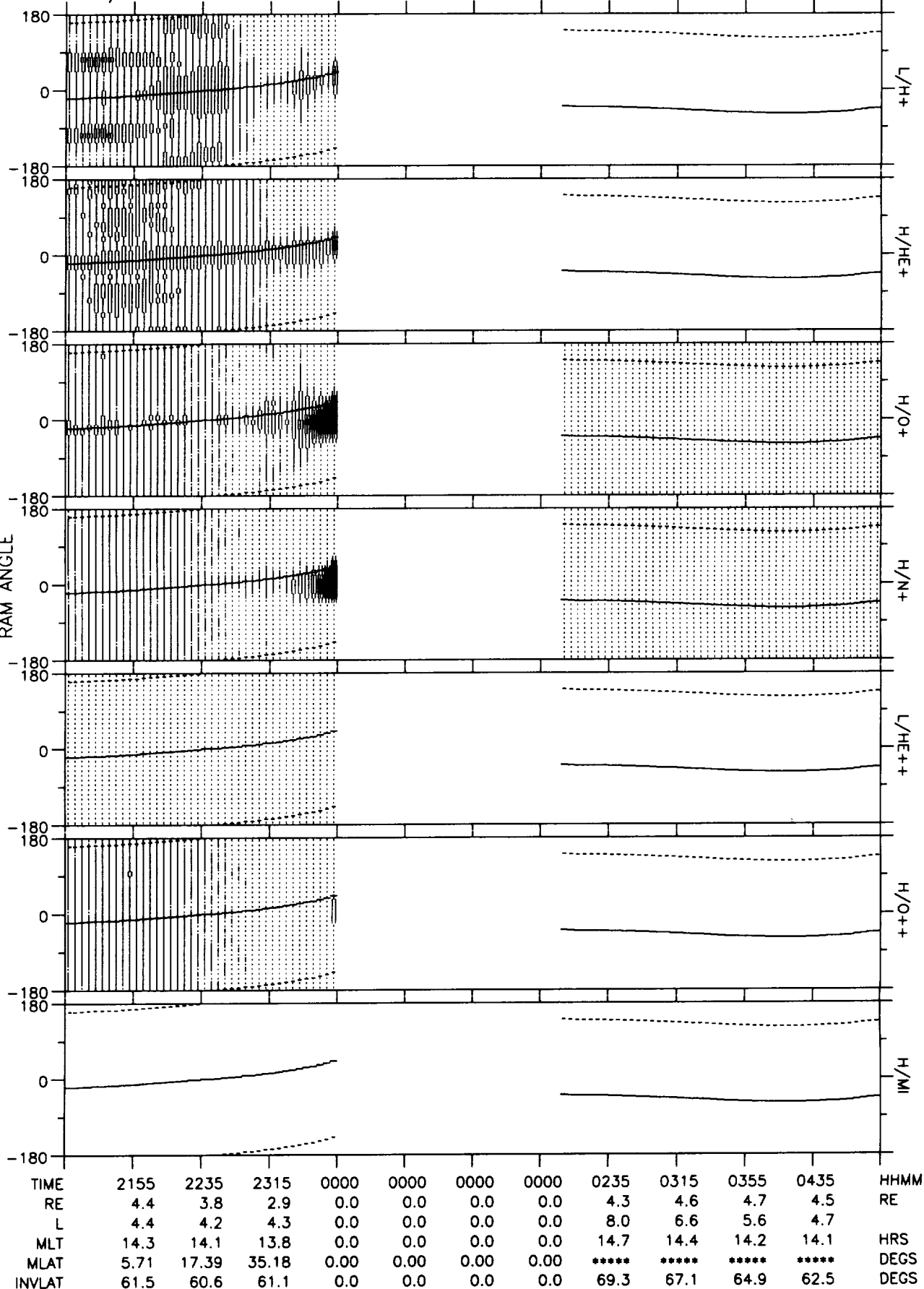
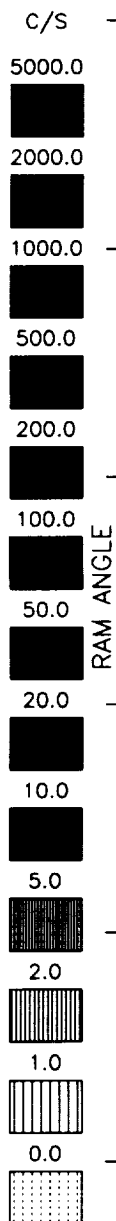
DE RMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Fri Oct 22 16:14:16 1993

82/212 31-JUL 1430:00 - 2230:00 HEAD= RL RPA= 0 to 1000 BIAS= A



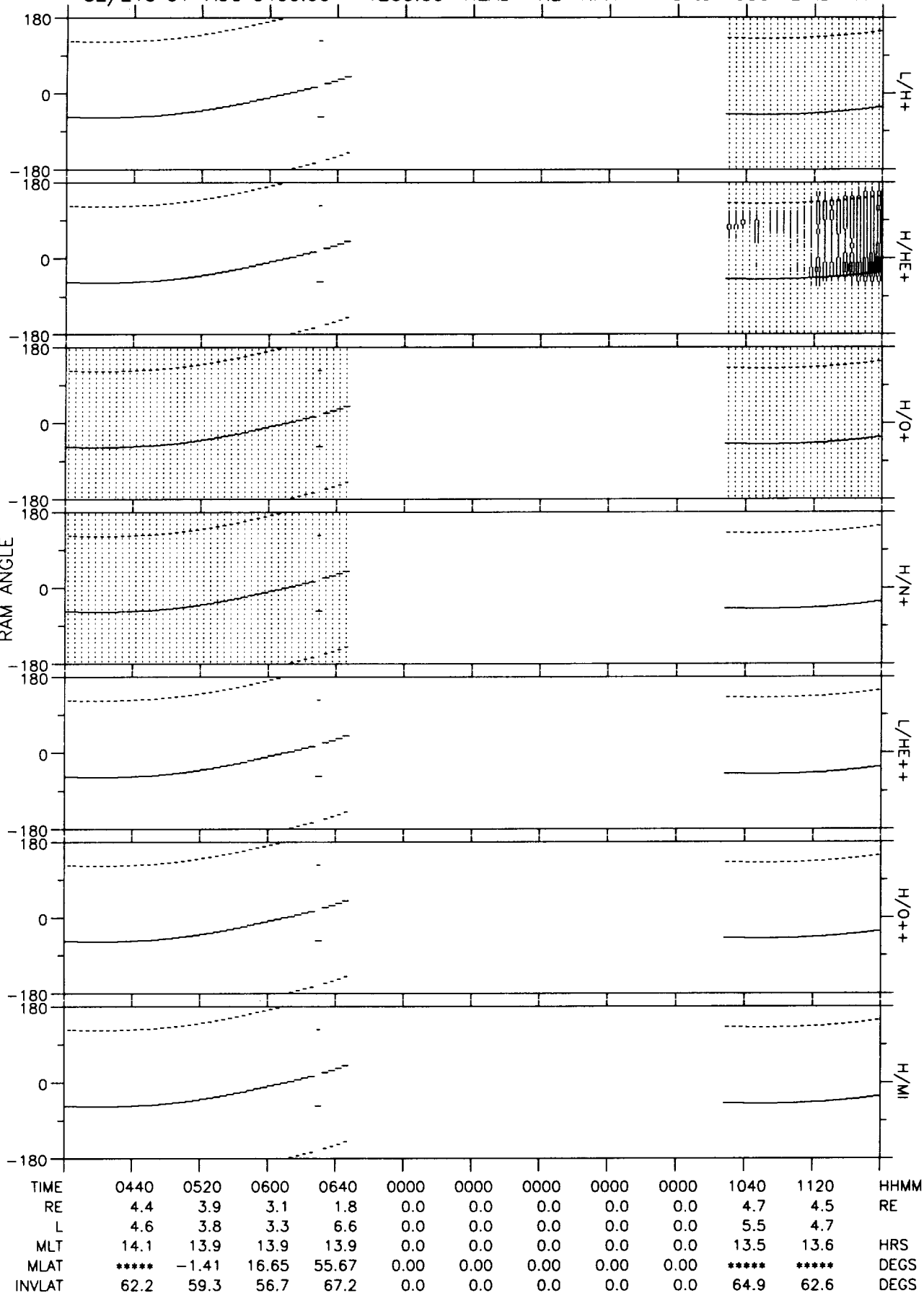
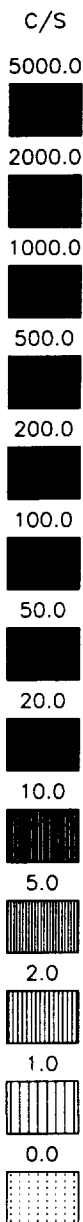
DE RIMS SPIN SUMMARY
SPIN/RAJAL/ALL (V1.0)
Fri Oct 22 16:16:27 1993

82/212 31-JUL 2115:00 - 0515:00 HEAD= RL RPA= 0 to 1000 BIAS= A



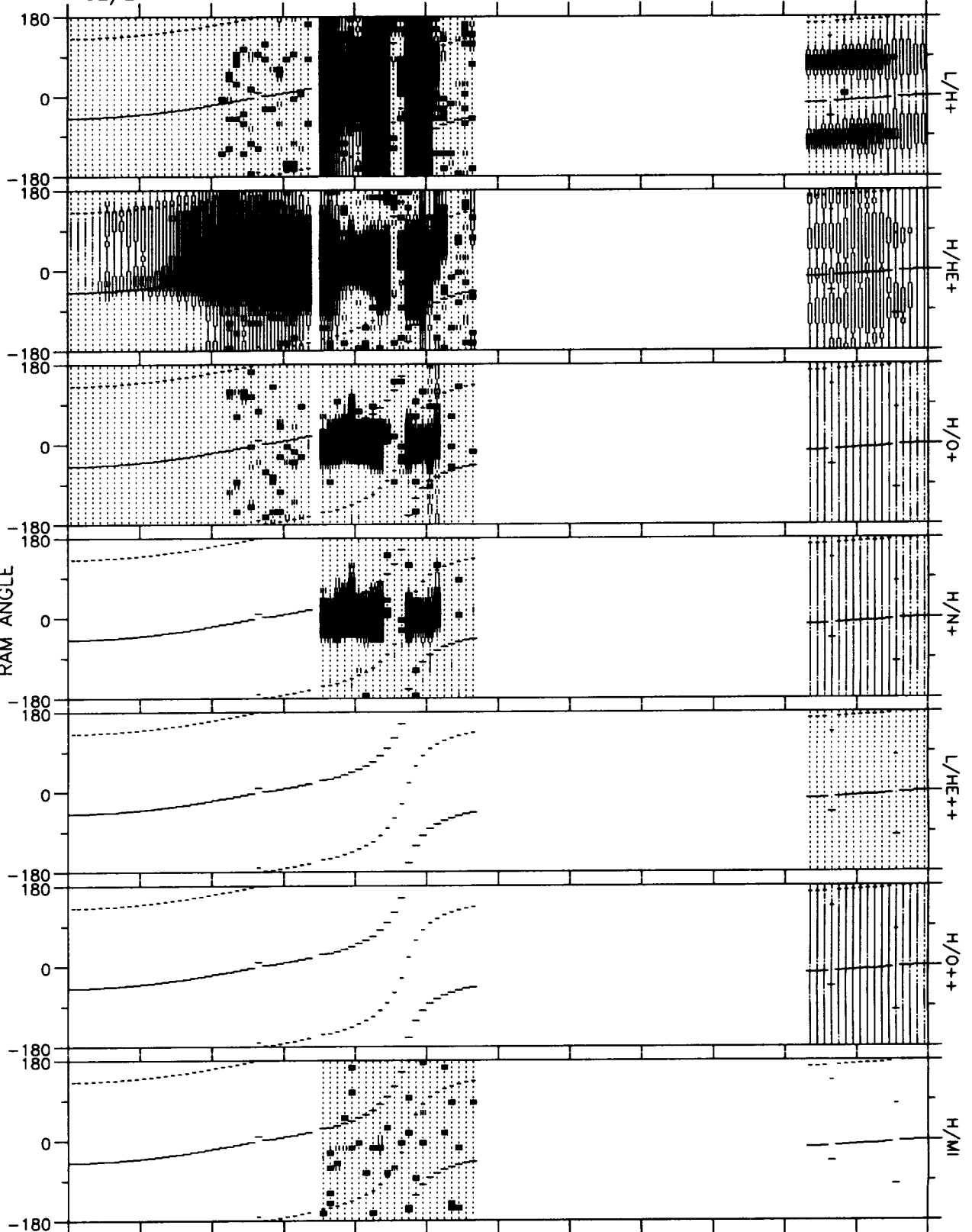
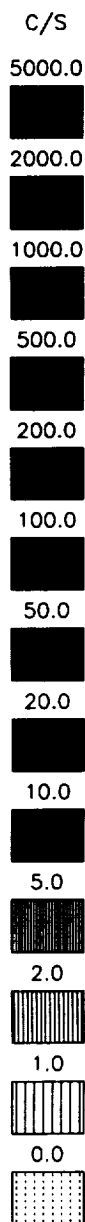
DE RUS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Fri Oct 22 16:18:02 1993

82/213 01-AUG 0400:00 - 1200:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Fri Oct 22 16:35:13 1993

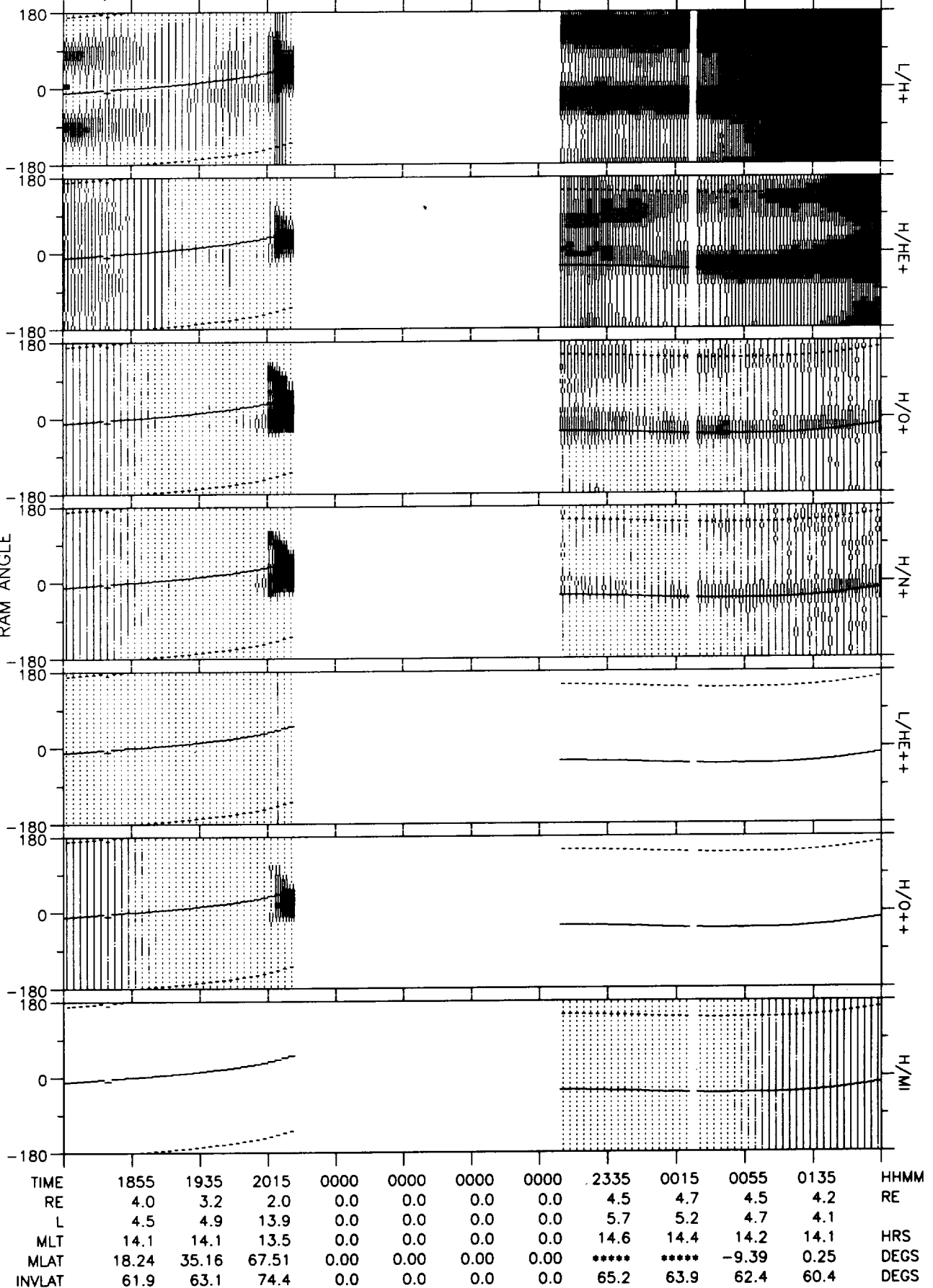
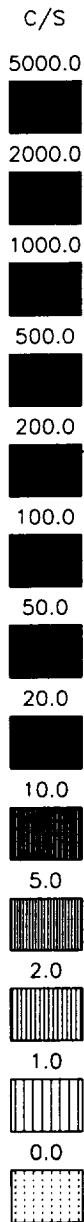
82/213 01-AUG 1100:00 - 1900:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	1140	1220	1300	1340	1420	0000	0000	0000	0000	0000	1820	HHMM
RE	4.3	3.7	2.8	1.5	1.5	0.0	0.0	0.0	0.0	0.0	4.4	RE
L	4.4	3.9	3.9	58.1	7.8	0.0	0.0	0.0	0.0	0.0	4.6	
MLT	13.7	13.9	14.2	19.6	3.1	0.0	0.0	0.0	0.0	0.0	14.1	HRS
MLAT	-3.94	11.45	34.14	78.87	*****	0.00	0.00	0.00	0.00	0.00	7.14	DEGS
INVLAT	61.4	59.5	59.7	82.4	68.9	0.0	0.0	0.0	0.0	0.0	62.1	DEGS

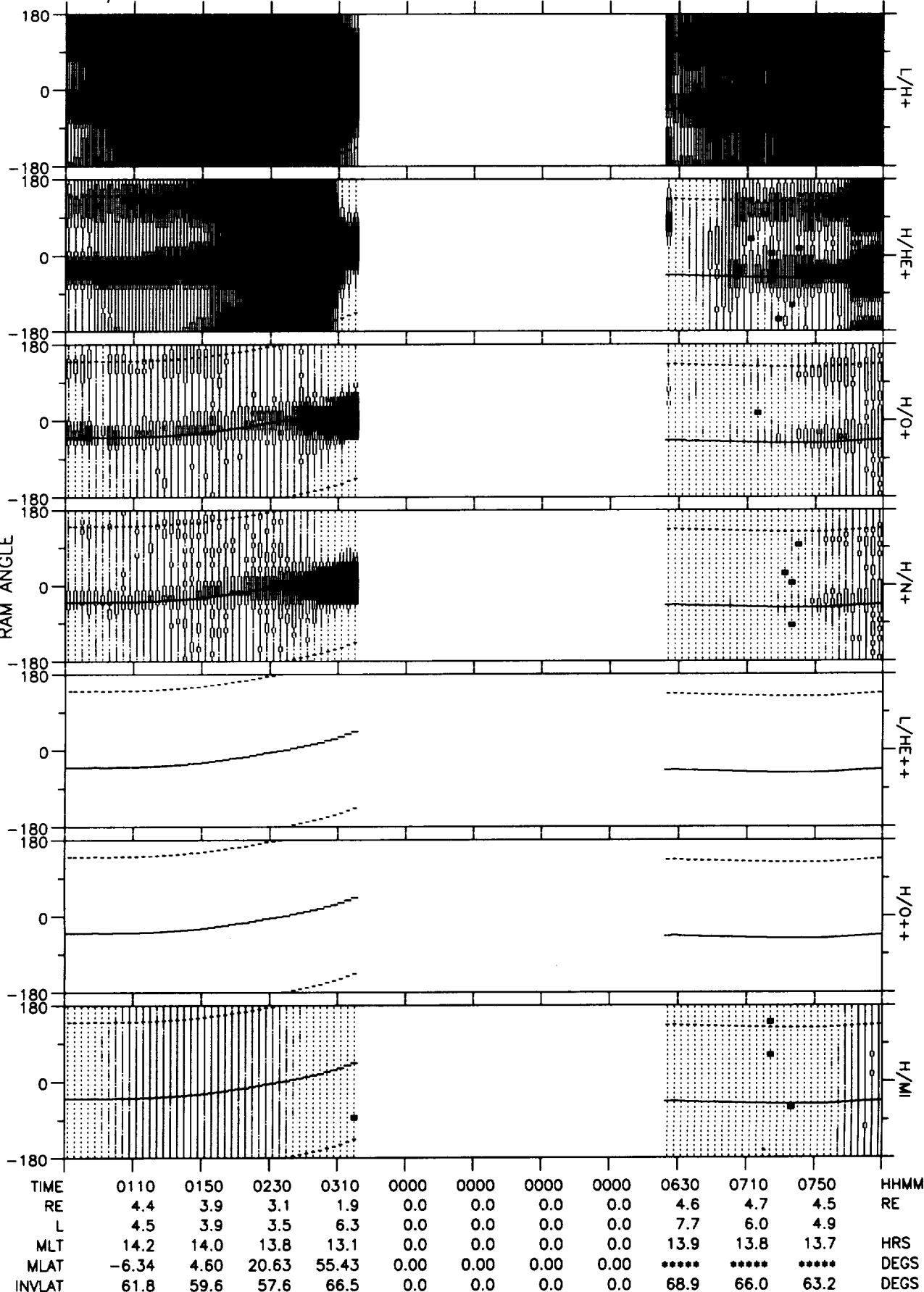
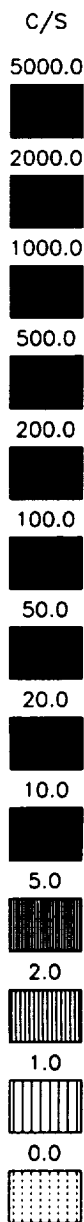
DE RMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Fri Oct 22 16:37:09 1993

82/213 01-AUG 1815:00 - 0215:00 HEAD= RL RPA= 0 to 1000 BIAS= A



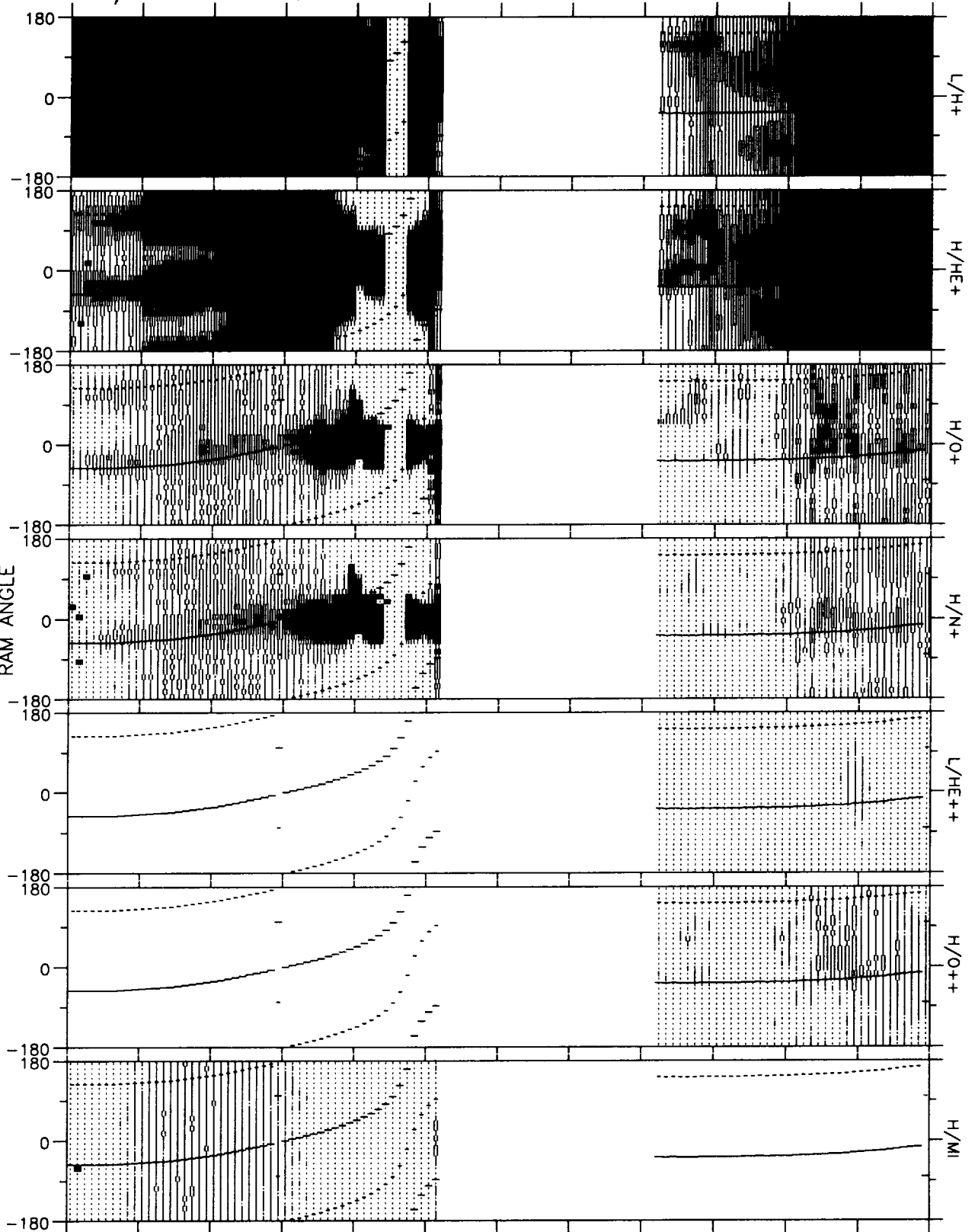
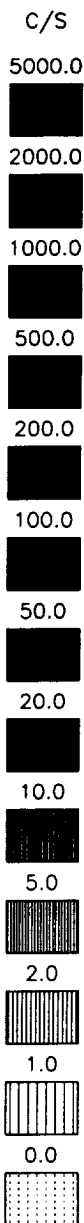
DE RMS SPIN SUMMARY
SPIN/RADIAL (V1.0)
Fri Oct 22 16:39:17 1993

82/214 02-AUG 0030:00 - 0830:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Fri Oct 22 16:41:46 1993

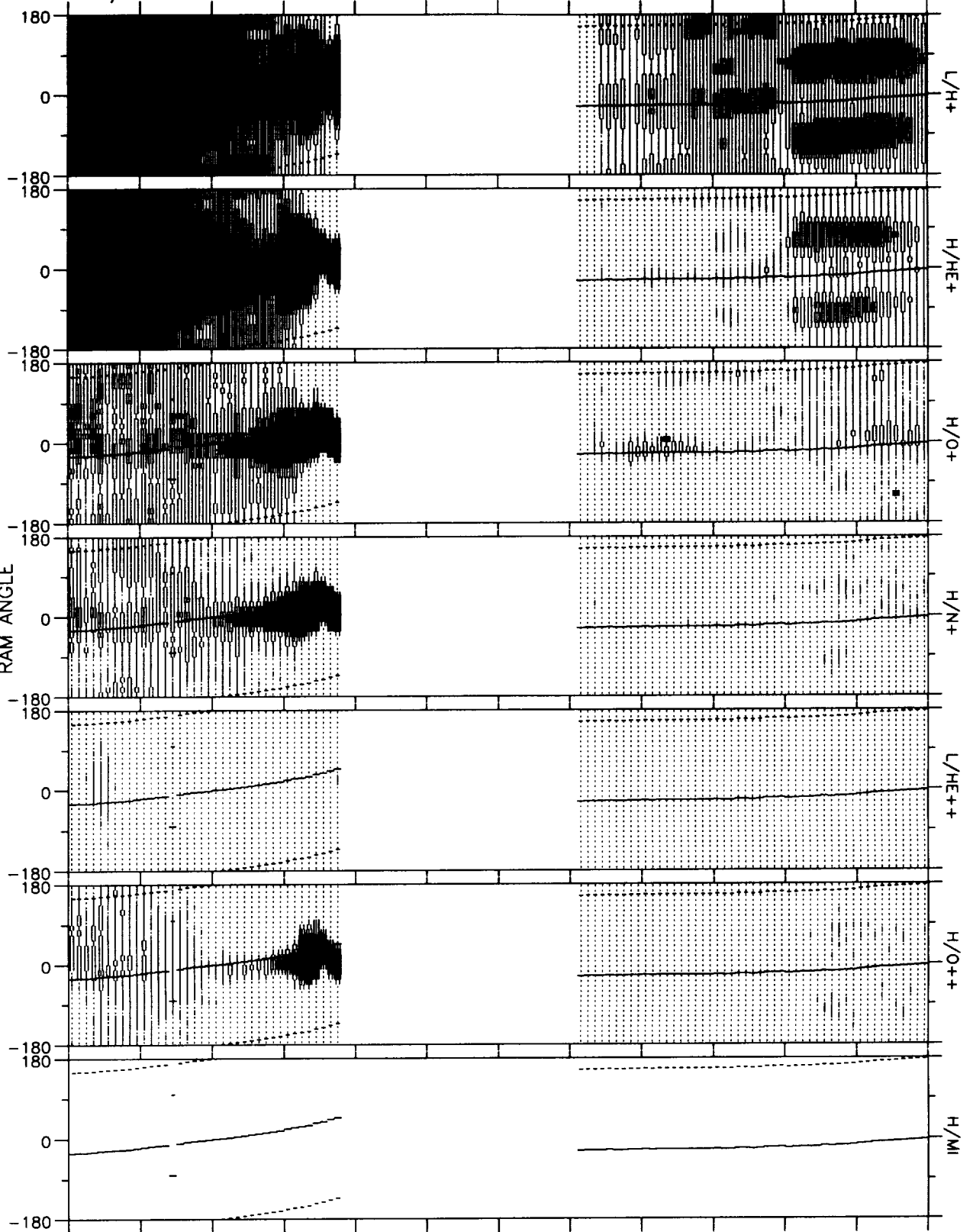
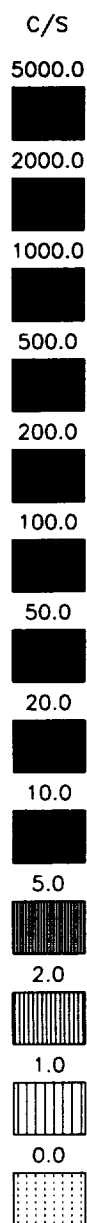
82/214 02-AUG 0730:00 - 1530:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0810	0850	0930	1010	1050	0000	0000	0000	1330	1410	1450	HHMM
RE	4.3	3.8	2.9	1.6	1.5	0.0	0.0	0.0	4.6	4.7	4.4	RE
L	4.5	3.7	3.4	20.6	3.2	0.0	0.0	0.0	5.7	5.0	4.5	
MLT	13.7	13.8	14.0	15.8	2.5	0.0	0.0	0.0	13.3	13.5	13.7	HRS
MLAT	*****	2.11	23.60	71.81	*****	0.00	0.00	0.00	*****	*****	1.23	DEGS
INVLAT	61.8	58.9	57.3	77.2	55.8	0.0	0.0	0.0	65.2	63.4	61.9	DEGS

DE RINS SPIN SUMMARY
SPIN-BADJALAL (V1.0)
Fri Oct 22 16:44:49 1993

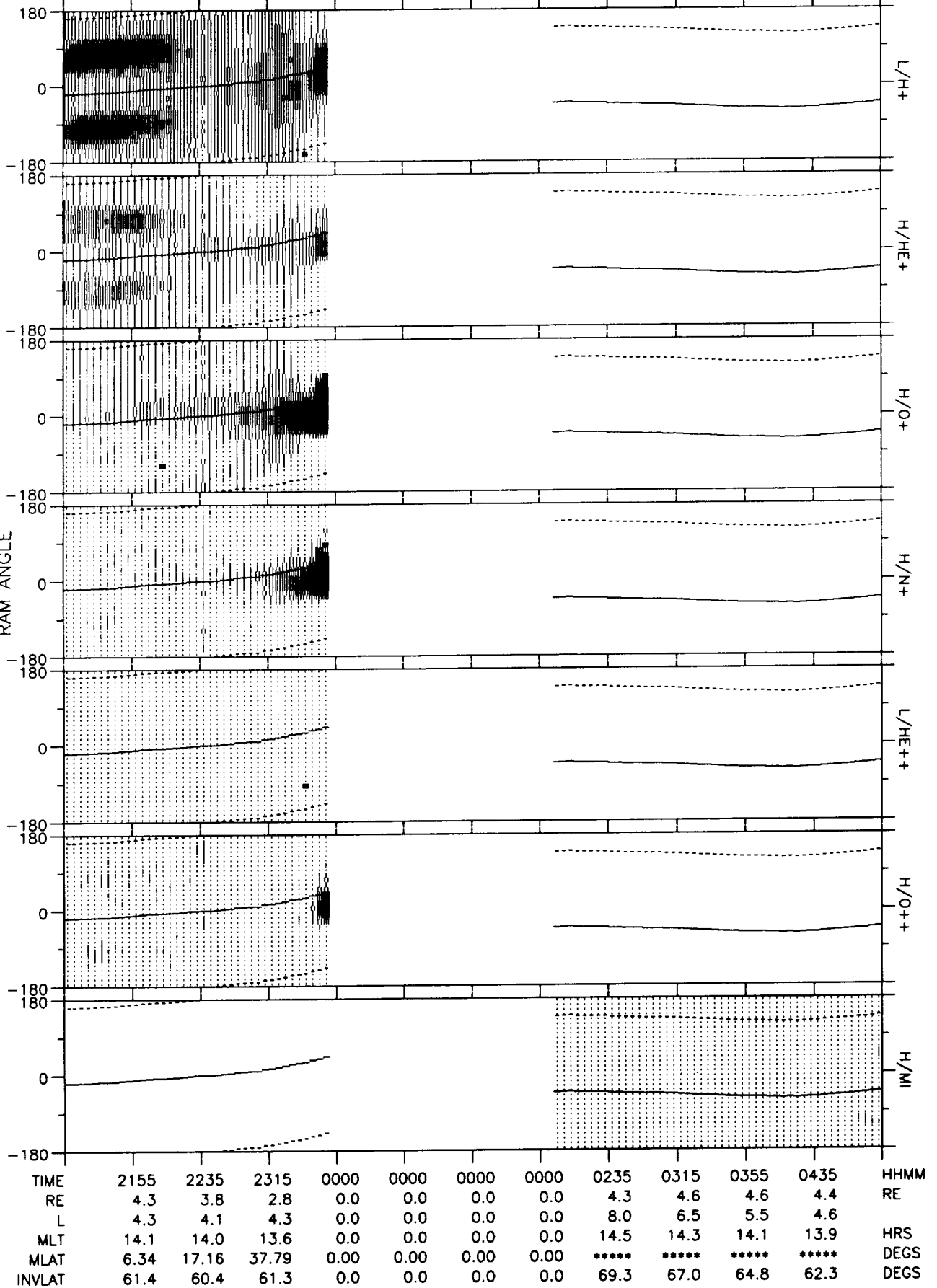
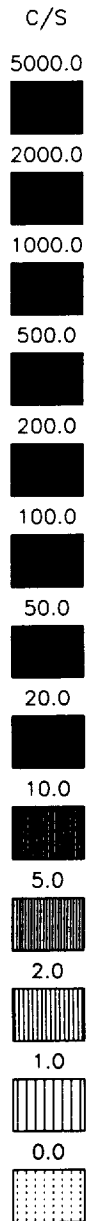
82/214 02-AUG 1430:00 - 2230:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	1510	1550	1630	0000	0000	0000	0000	1950	2030	2110	2150	HHMM
RE	4.2	3.6	2.6	0.0	0.0	0.0	0.0	4.4	4.6	4.6	4.4	RE
L	4.4	4.2	5.5	0.0	0.0	0.0	0.0	5.3	4.9	4.7	4.4	
MLT	13.8	14.0	14.3	0.0	0.0	0.0	0.0	14.3	14.3	14.2	14.1	HRS
MLAT	7.94	23.88	48.58	0.00	0.00	0.00	0.00	*****	*****	-4.60	5.02	DEGS
INVLAT	61.4	61.0	64.8	0.0	0.0	0.0	0.0	64.2	63.3	62.4	61.5	DEGS

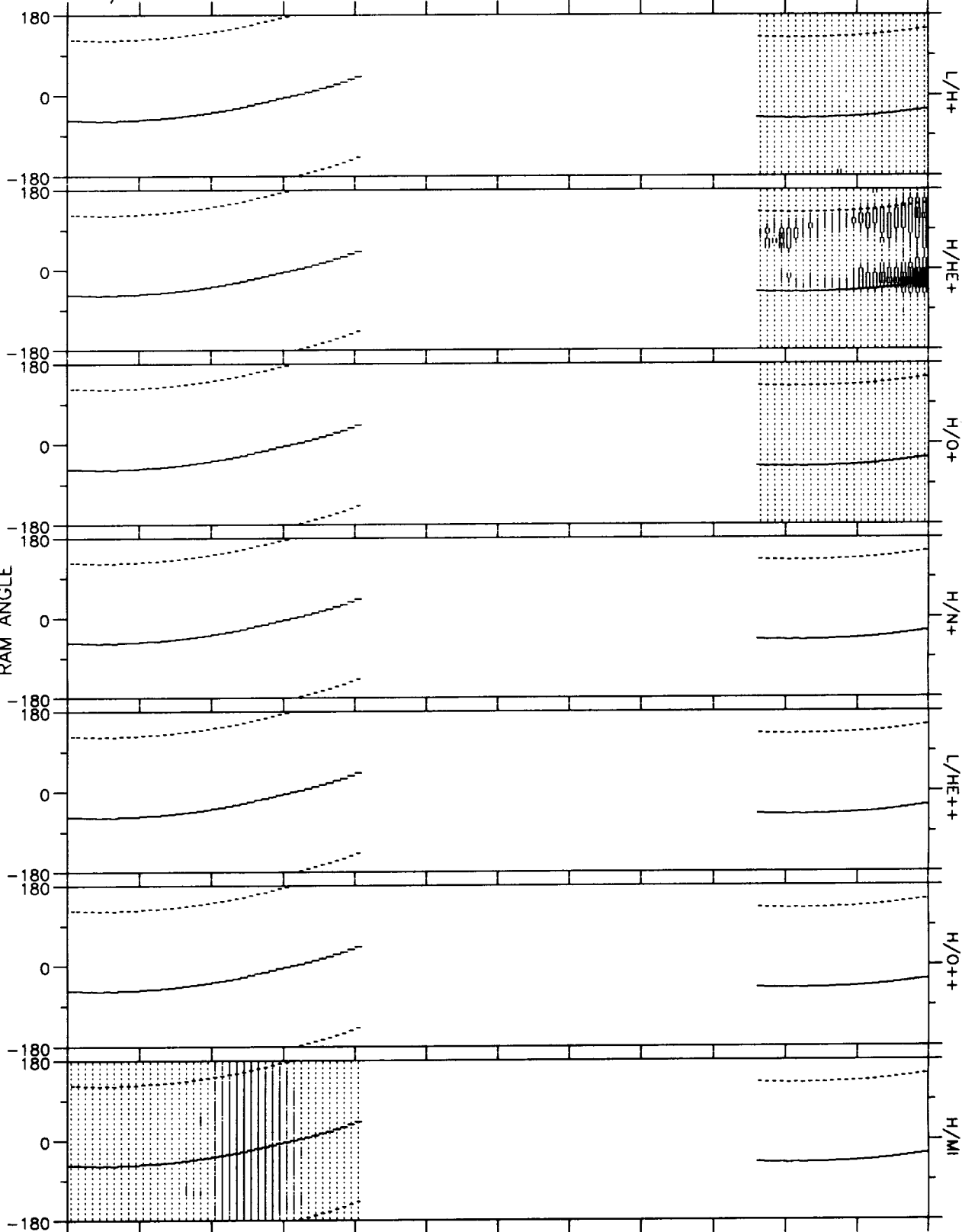
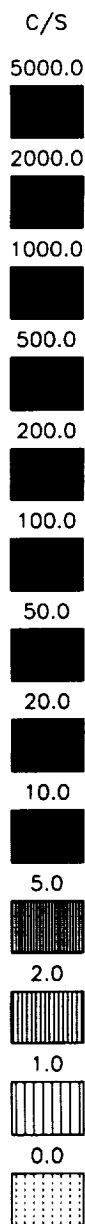
DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Fri Oct 22 16:47:15 1993

82/214 02-AUG 2115:00 - 0515:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Fri Oct 22 18:26:54 1993

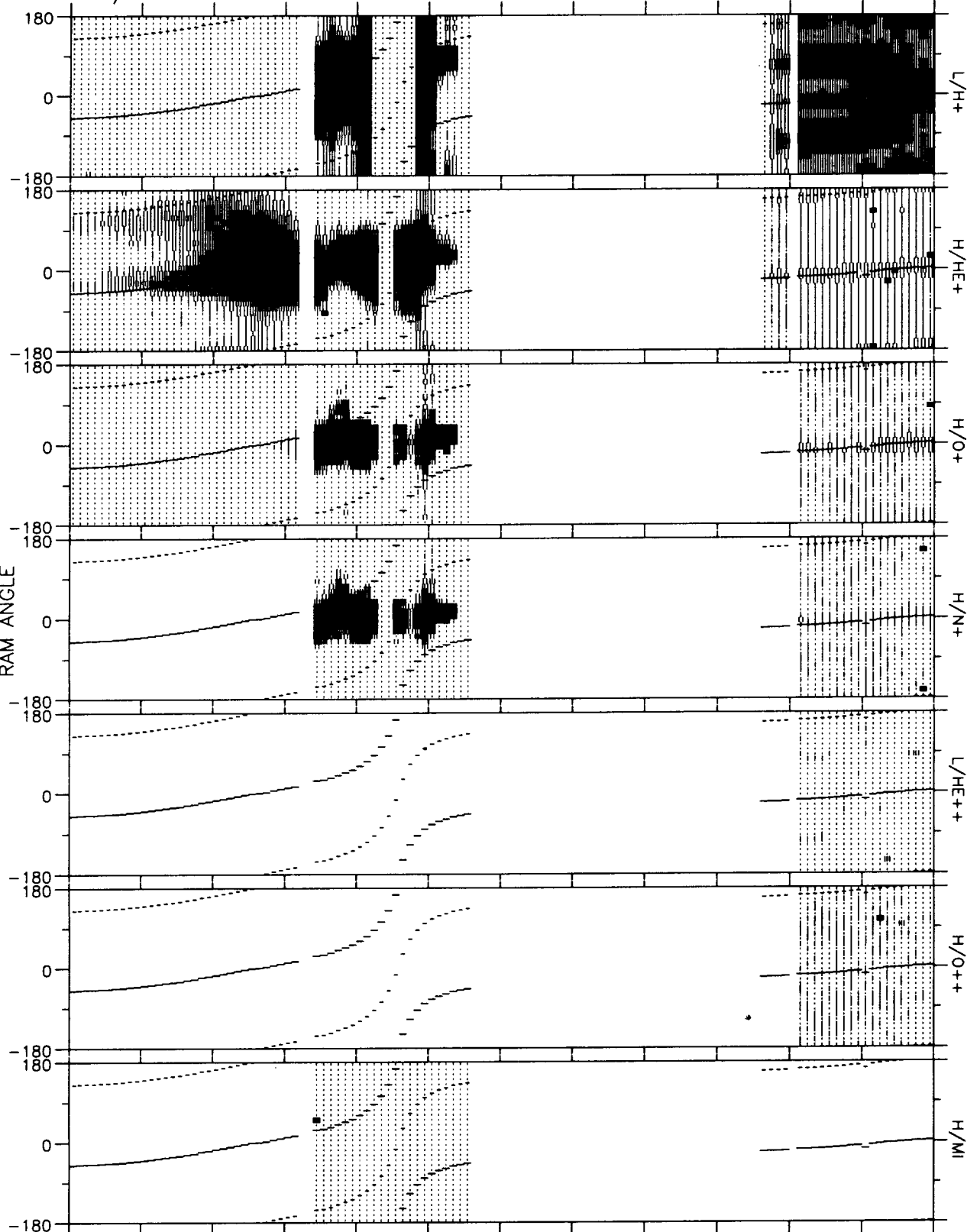
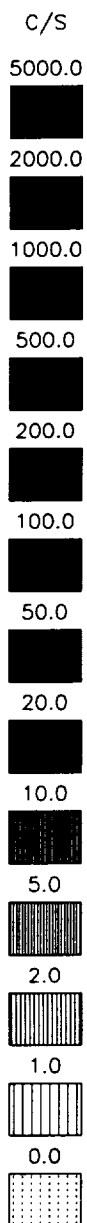
82/215 03-AUG 0400:00 - 1200:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0440	0520	0600	0640	0000	0000	0000	0000	0000	1040	1120	HHMM
RE	4.4	3.8	2.9	1.7	0.0	0.0	0.0	0.0	0.0	4.7	4.5	RE
L	4.5	3.7	3.3	8.7	0.0	0.0	0.0	0.0	0.0	5.5	4.6	
MLT	13.9	13.8	13.8	13.8	0.0	0.0	0.0	0.0	0.0	13.4	13.5	HRS
MLAT	*****	-0.22	19.26	60.74	0.00	0.00	0.00	0.00	0.00	*****	-9.41	DEGS
INVLAT	61.9	58.8	56.4	70.1	0.0	0.0	0.0	0.0	0.0	64.7	62.3	DEGS

DE RIMS SPIN SUMMARY
SPINRADIAL (V1.0)
Fri Oct 22 23:12:31 1993

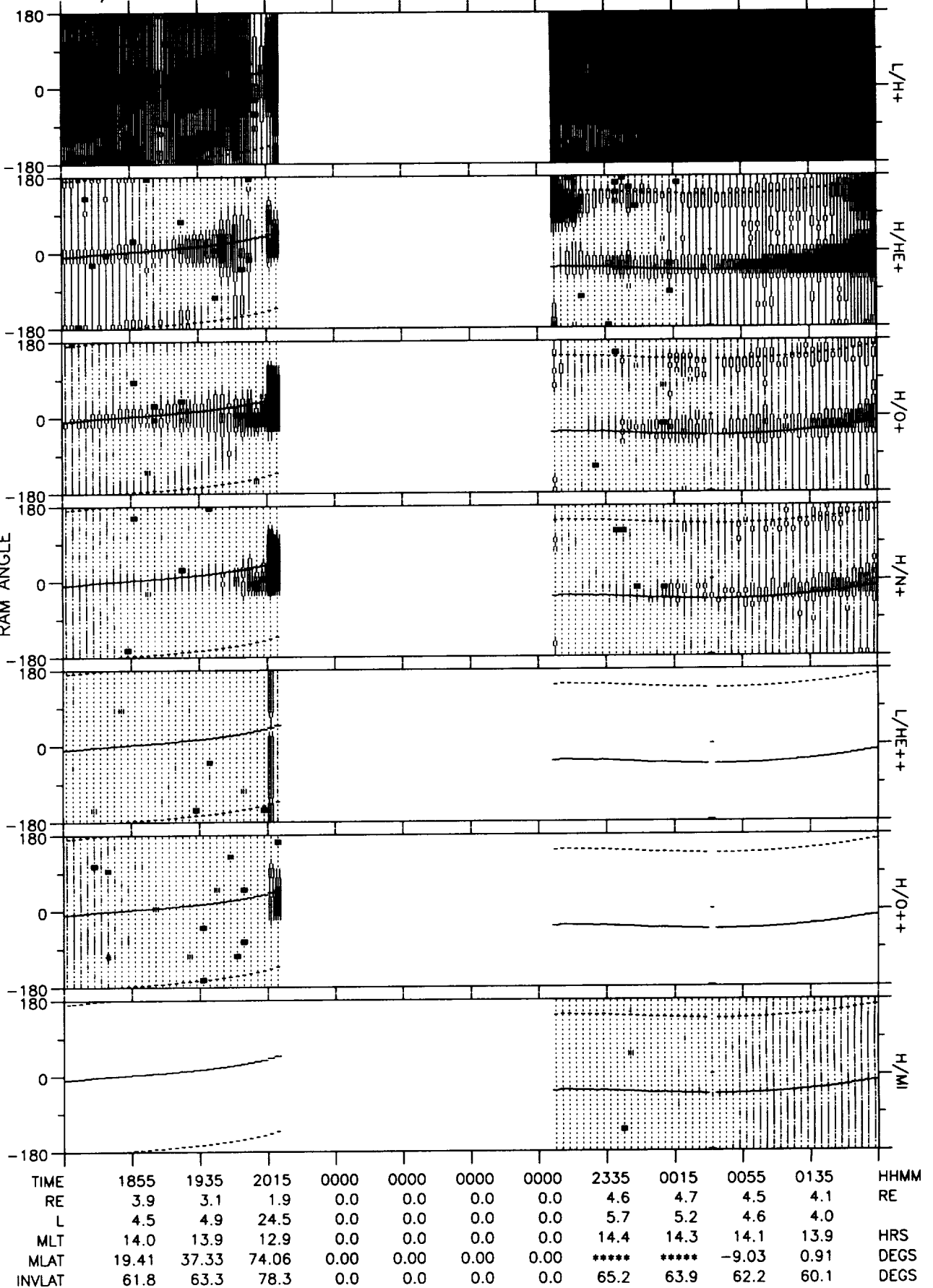
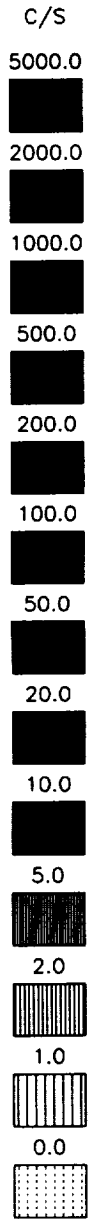
82/215 03-AUG 1100:00 - 1900:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	1140	1220	1300	1340	1420	0000	0000	0000	0000	0000	1820	HHMM
RE	4.3	3.6	2.7	1.3	1.7	0.0	0.0	0.0	0.0	0.0	4.4	RE
L	4.3	3.8	4.0	19.9	19.6	0.0	0.0	0.0	0.0	0.0	4.5	
MLT	13.6	13.8	14.2	23.1	3.8	0.0	0.0	0.0	0.0	0.0	14.0	HRS
MLAT	-2.63	13.42	37.70	72.54	*****	0.00	0.00	0.00	0.00	0.00	8.02	DEGS
INVLAT	61.2	59.2	60.1	76.9	76.9	0.0	0.0	0.0	0.0	0.0	62.0	DEGS

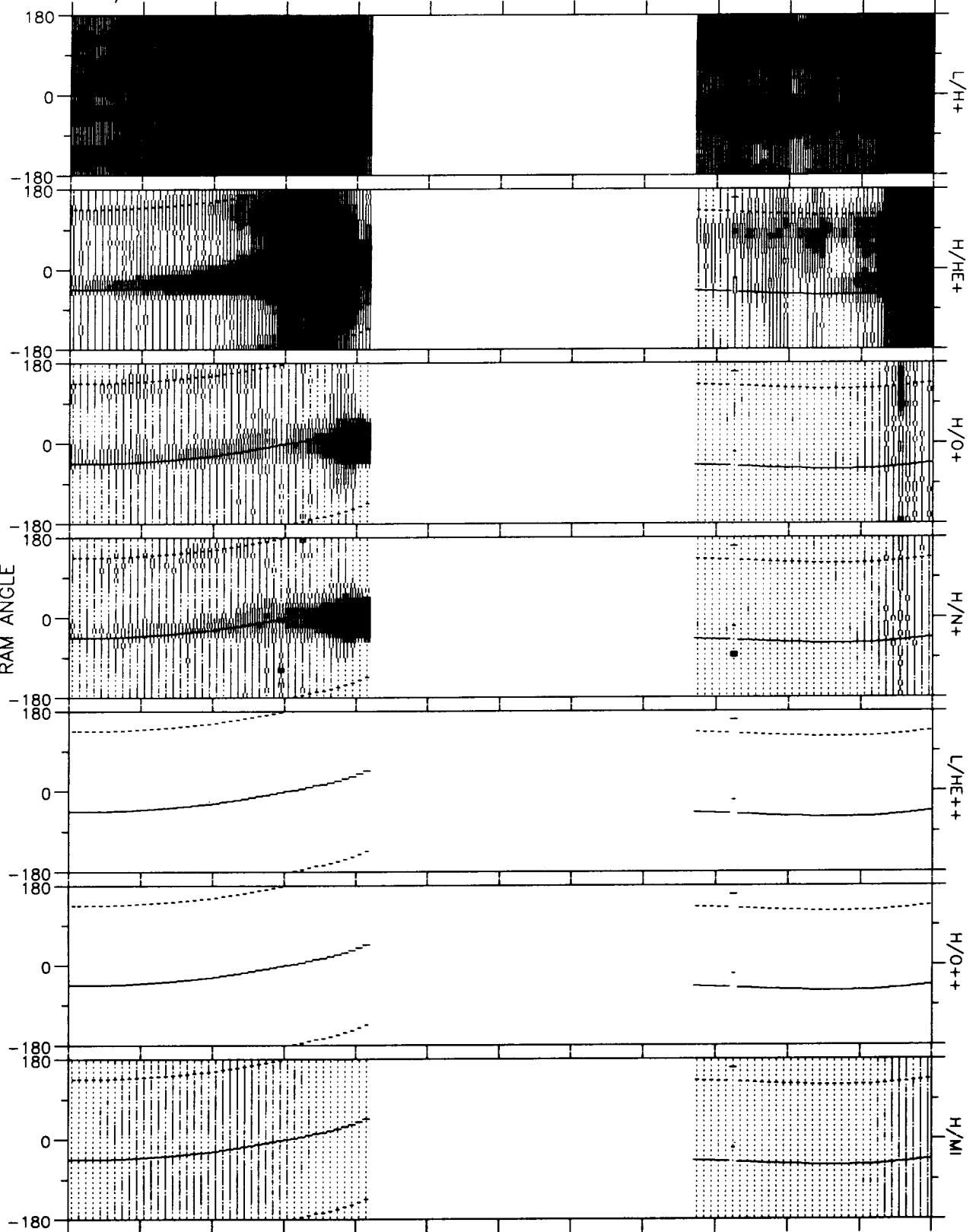
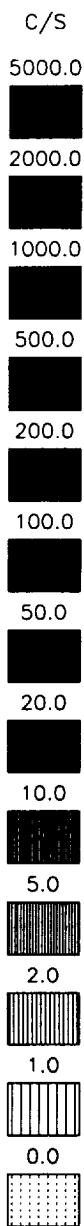
DE RMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Fri Oct 22 23:14:33 1993

82/215 03-AUG 1815:00 - 0215:00 HEAD= RL RPA= 0 to 1000 BIAS= A

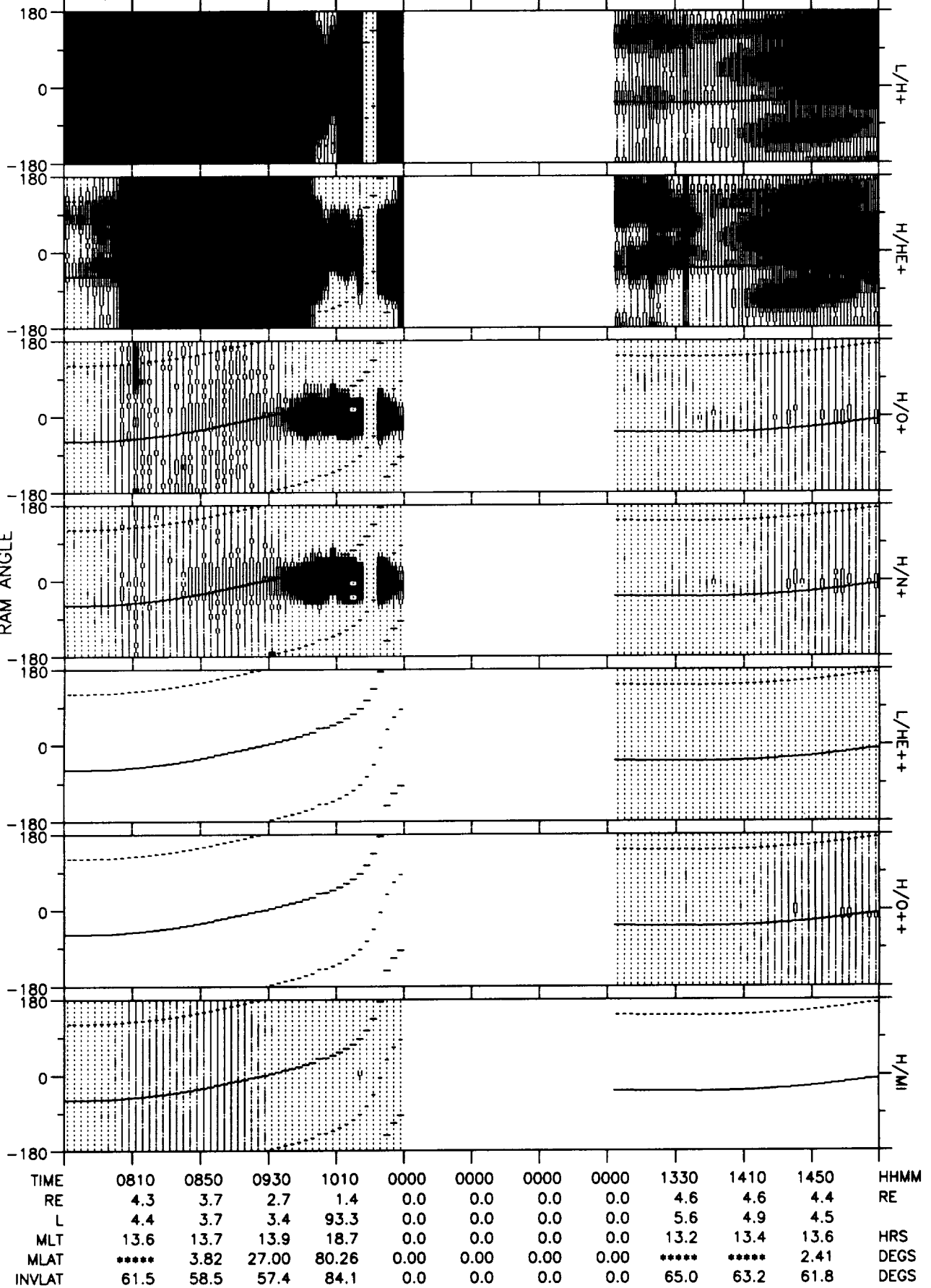
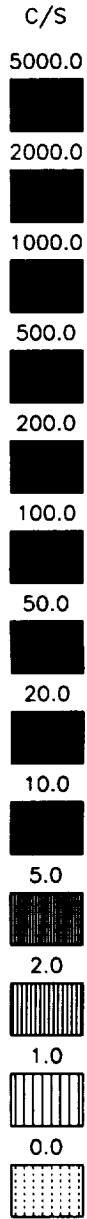


DE RIMS SPIN SUMMARY
SPIN-RADIAL-ALL (V1.0)
Fri Oct 22 23:16:57 1993

82/216 04-AUG 0030:00 - 0830:00 HEAD= RL RPA= 0 to 1000 BIAS= A

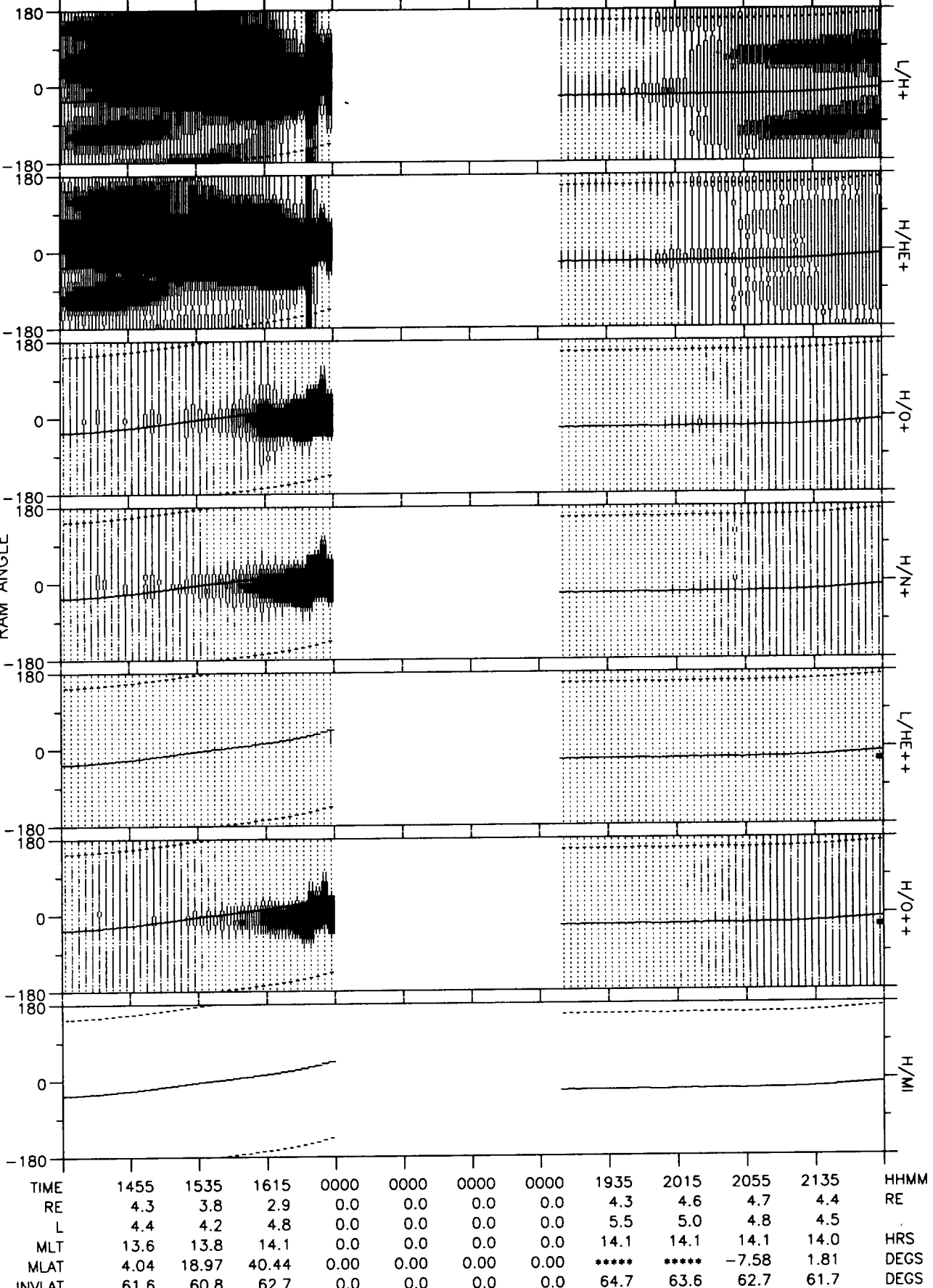
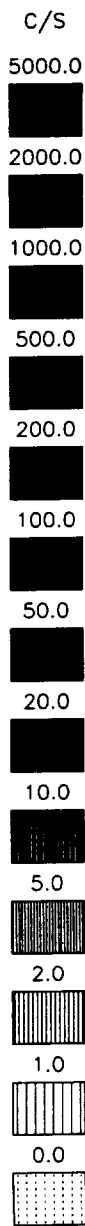


TIME	0110	0150	0230	0310	0000	0000	0000	0000	0630	0710	0750	HHMM
RE	4.4	3.8	3.0	1.7	0.0	0.0	0.0	0.0	4.6	4.7	4.5	RE
L	4.4	3.8	3.4	9.8	0.0	0.0	0.0	0.0	7.6	5.9	4.8	
MLT	14.0	13.8	13.6	12.7	0.0	0.0	0.0	0.0	13.7	13.6	13.6	HRS
MLAT	-5.56	5.52	22.84	63.38	0.00	0.00	0.00	0.00	*****	*****	*****	DEGS
INVLAT	61.5	59.2	57.4	71.3	0.0	0.0	0.0	0.0	68.7	65.8	62.9	DEGS



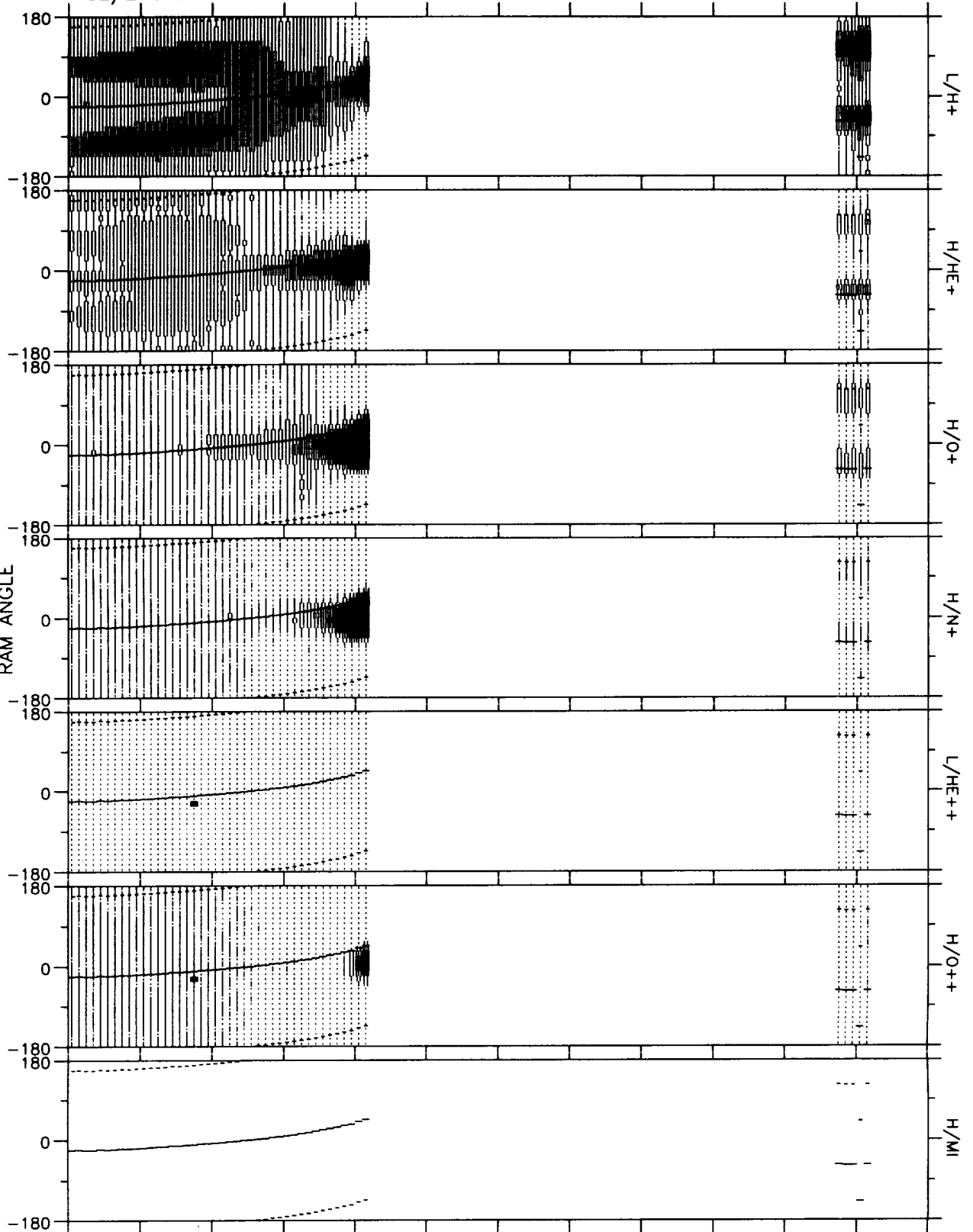
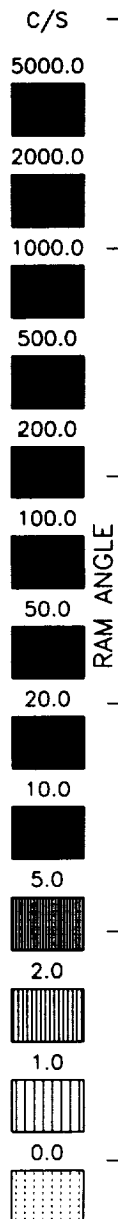
DE RIMS SPIN SUMMARY
SPIN-RADIAL-ALL (V1.0)
Fri Oct 22 23:22:48 1993

82/216 04-AUG 1415:00 - 2215:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RMS SPIN SUMMARY
SPIN_BROWALL (V1.0)
Fri Oct 22 23:25:14 1993

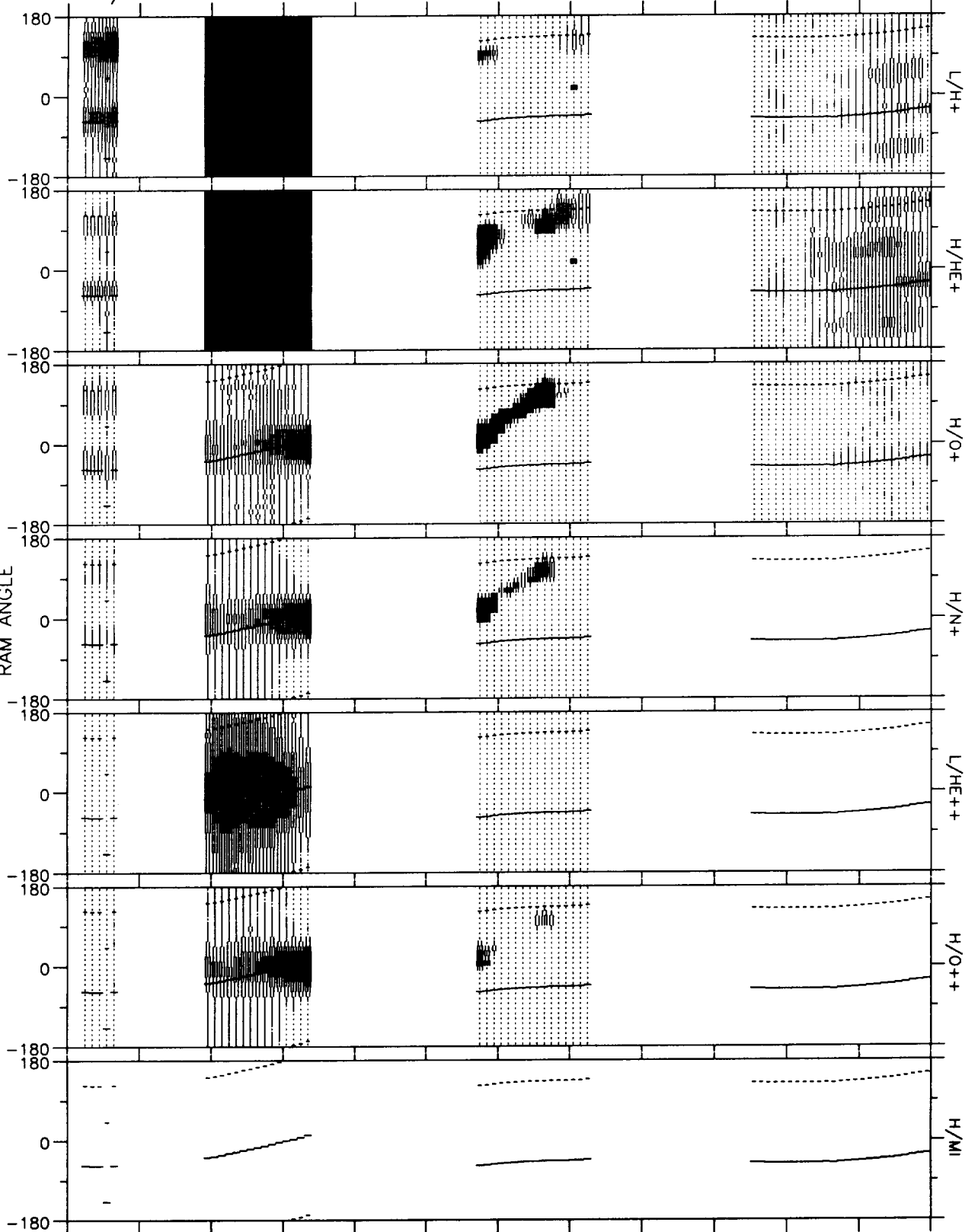
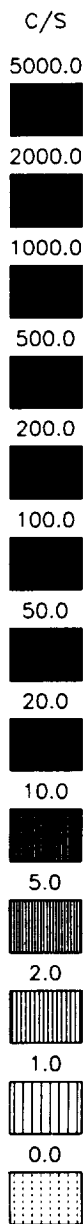
82/216 04-AUG 2100:00 - 0500:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	2140	2220	2300	2340	0000	0000	0000	0000	0000	0000	0420	HHMM
RE	4.4	3.9	3.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	4.5	RE
L	4.4	4.1	4.1	12.9	0.0	0.0	0.0	0.0	0.0	0.0	4.9	
MLT	14.0	13.9	13.6	12.1	0.0	0.0	0.0	0.0	0.0	0.0	13.8	HRS
MLAT	3.07	14.37	31.09	67.59	0.00	0.00	0.00	0.00	0.00	0.00	*****	DEGS
INVLAT	61.6	60.4	60.3	73.8	0.0	0.0	0.0	0.0	0.0	0.0	63.0	DEGS

DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Fri Oct 22 23:26:59 1993

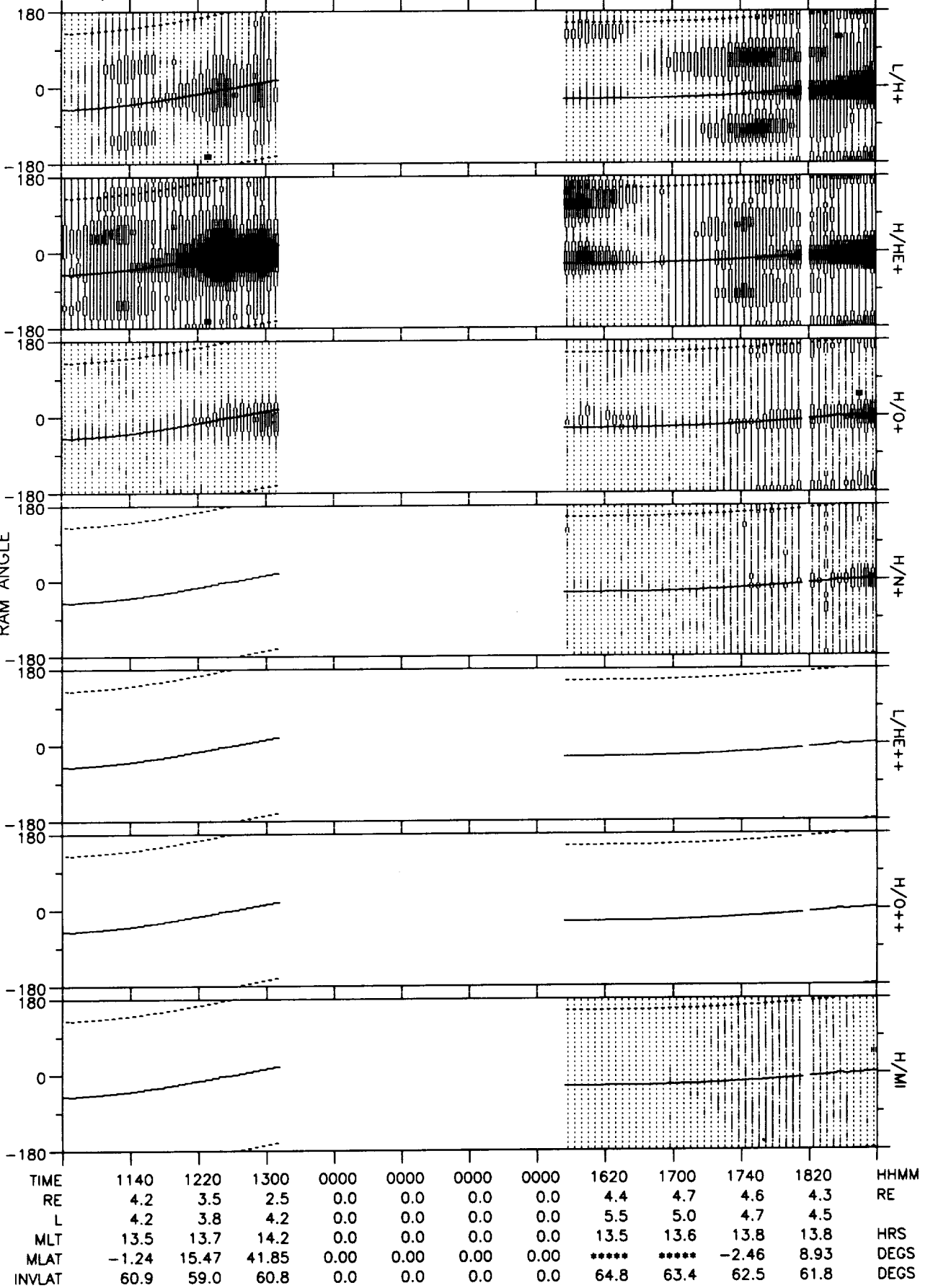
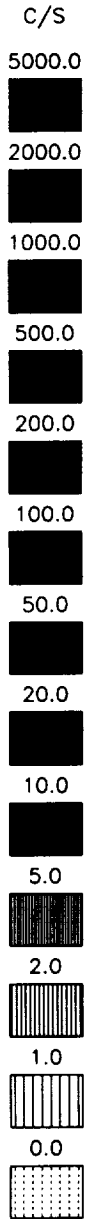
82/217 05-AUG 0400:00 - 1200:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0000	0520	0600	0000	0000	0800	0840	0000	0000	1040	1120	HHMM
RE	0.0	3.7	2.8	0.0	0.0	2.9	3.8	0.0	0.0	4.6	4.4	RE
L	0.0	3.6	3.2	0.0	0.0	100.0	15.3	0.0	0.0	5.4	4.6	
MLT	0.0	13.7	13.6	0.0	0.0	11.5	12.8	0.0	0.0	13.2	13.4	HRS
MLAT	0.00	1.08	22.17	0.00	0.00	*****	*****	0.00	0.00	*****	-8.19	DEGS
INVLAT	0.0	58.4	56.3	0.0	0.0	84.6	75.2	0.0	0.0	64.5	62.1	DEGS

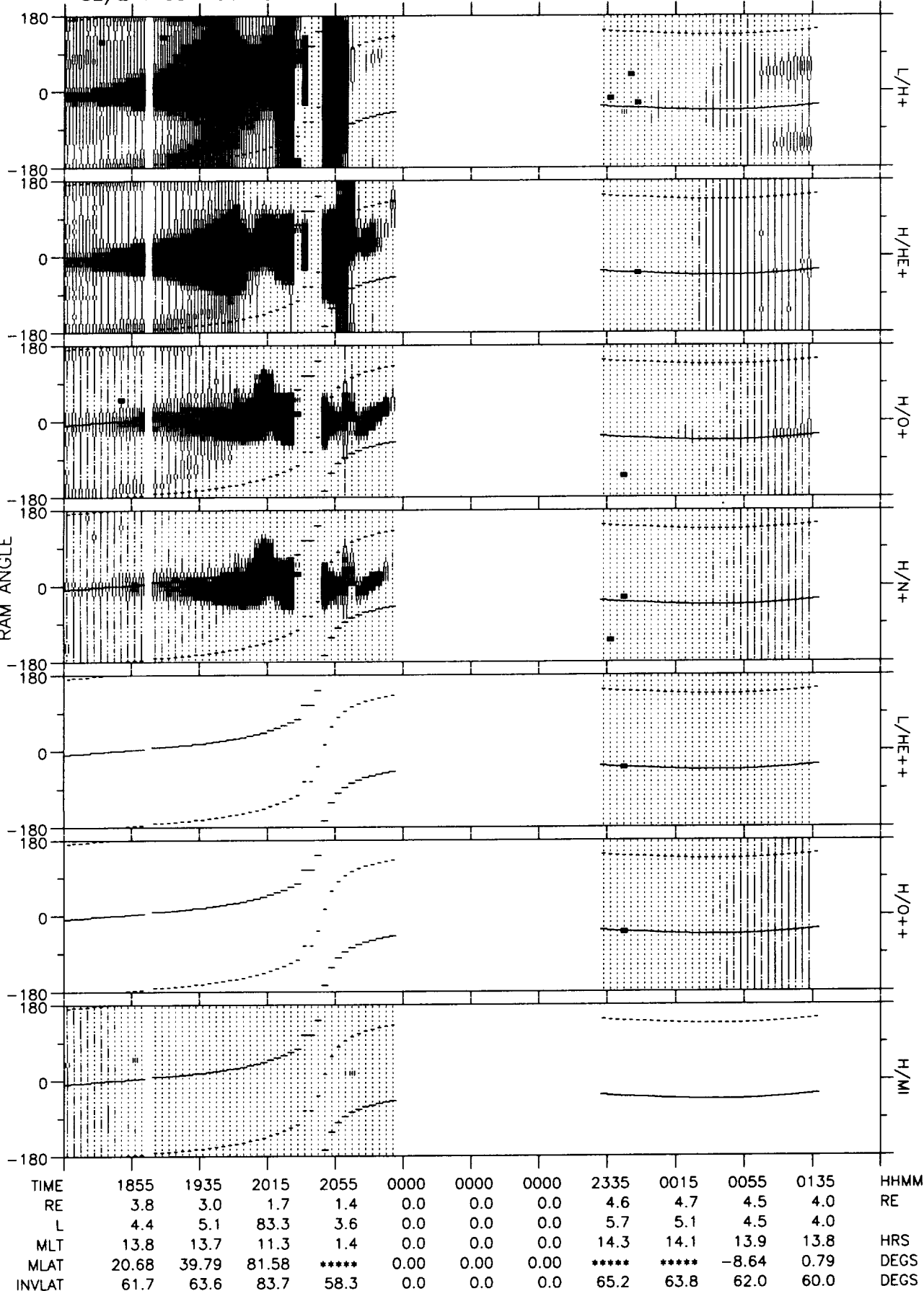
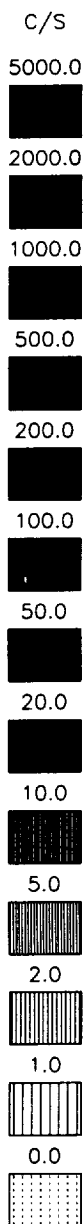
DE RIMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Fri Oct 22 23:29:05 1993

82/217 05-AUG 1100:00 - 1900:00 HEAD= RL RPA= 0 to 1000 BIAS= A



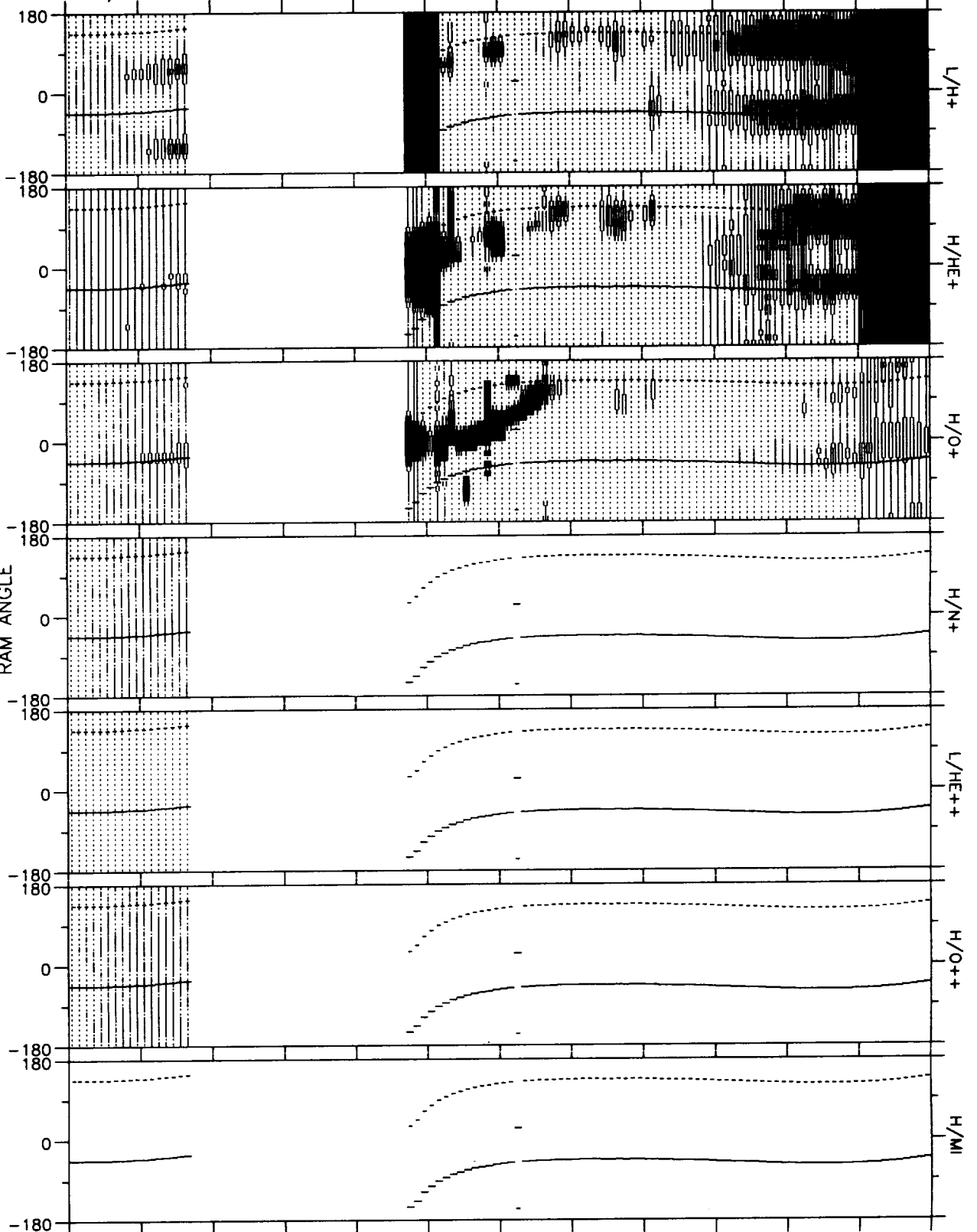
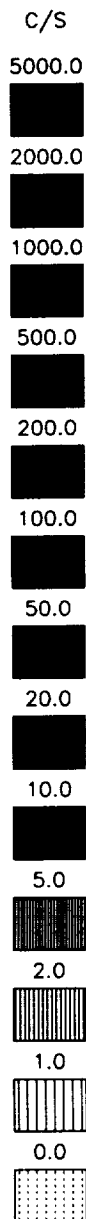
DE RMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Fri Oct 22 23:30:51 1993

82/217 05-AUG 1815:00 - 0215:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RUS SPIN SUMMARY
SPIN/ADAM/ALL (V1.0)
Fri Oct 22 23:35:04 1993

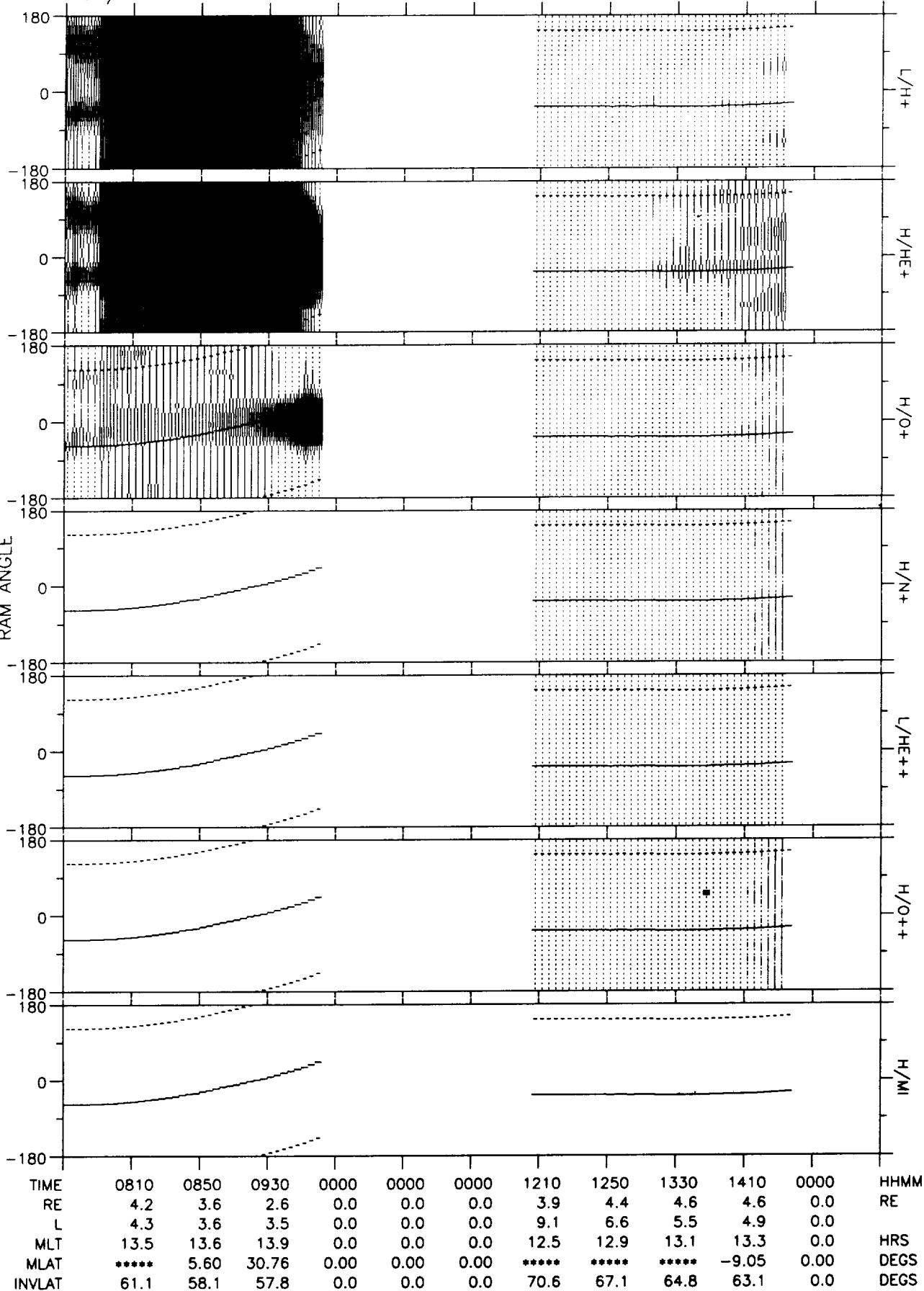
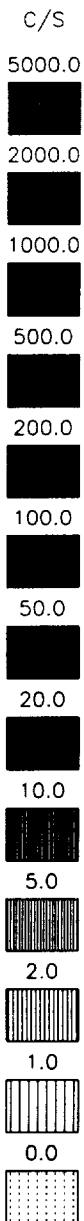
82/218 06-AUG 0030:00 - 0830:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0110	0000	0000	0000	0350	0430	0510	0550	0630	0710	0750	HHMM
RE	4.3	0.0	0.0	0.0	1.5	2.8	3.7	4.3	4.6	4.7	4.4	RE
L	4.3	0.0	0.0	0.0	3.0	100.0	18.9	10.4	7.5	5.9	4.7	
MLT	13.9	0.0	0.0	0.0	1.2	16.3	14.1	13.7	13.6	13.5	13.5	HRS
MLAT	-5.07	0.00	0.00	0.00	*****	*****	*****	*****	*****	*****	*****	DEGS
INVLAT	61.3	0.0	0.0	0.0	55.0	85.9	76.7	71.9	68.5	65.6	62.7	DEGS

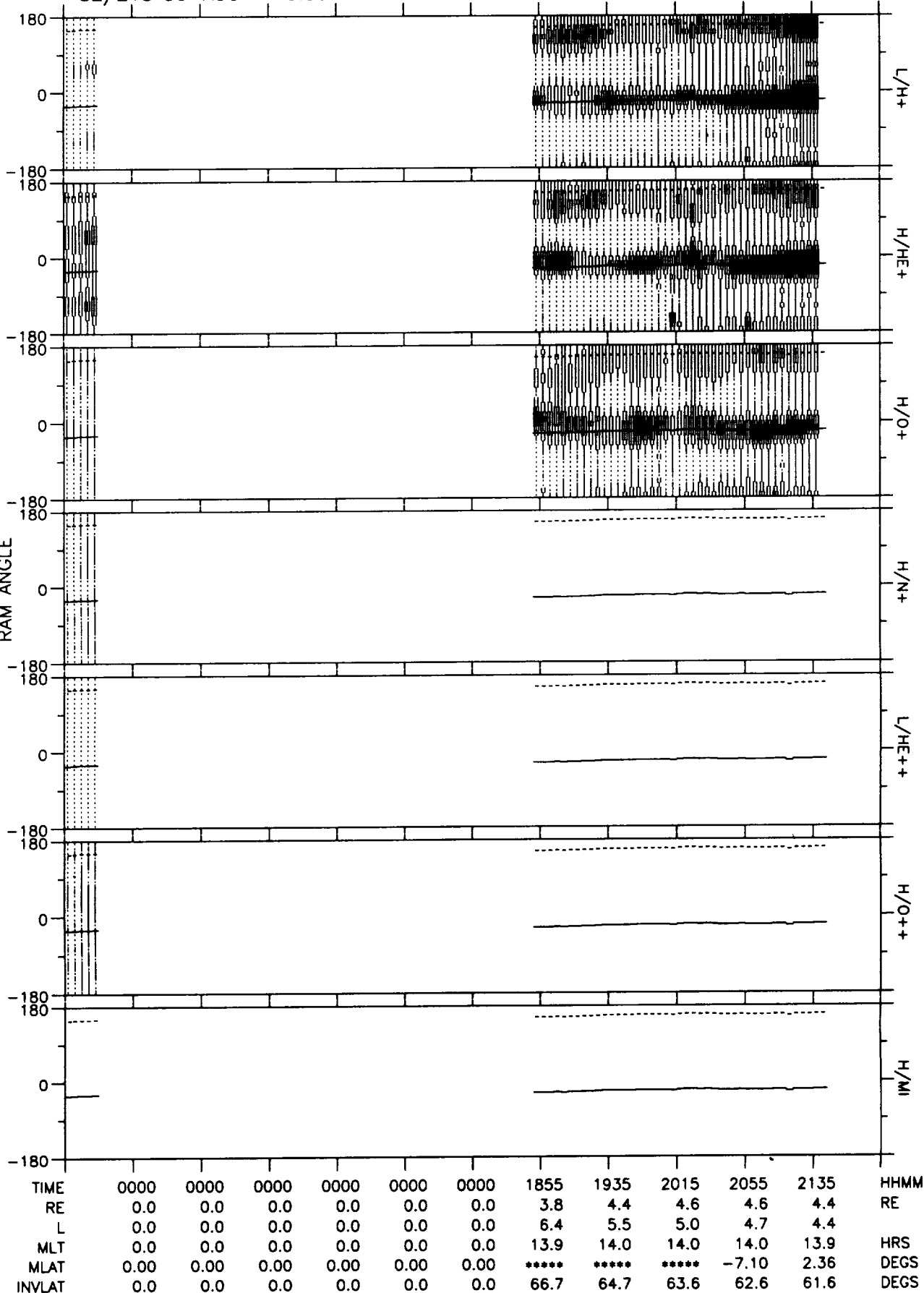
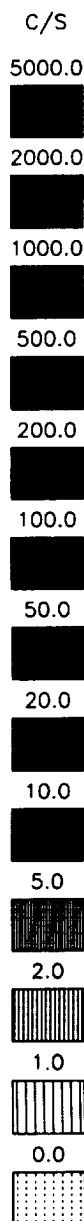
DE RIMS SPIN SUMMARY
SPIN-RADIAL ALL (V1.0)
Fri Oct 22 23:35:06 1993

82/218 06-AUG 0730:00 - 1530:00 HEAD= RL RPA= 0 to 1000 BIAS= A



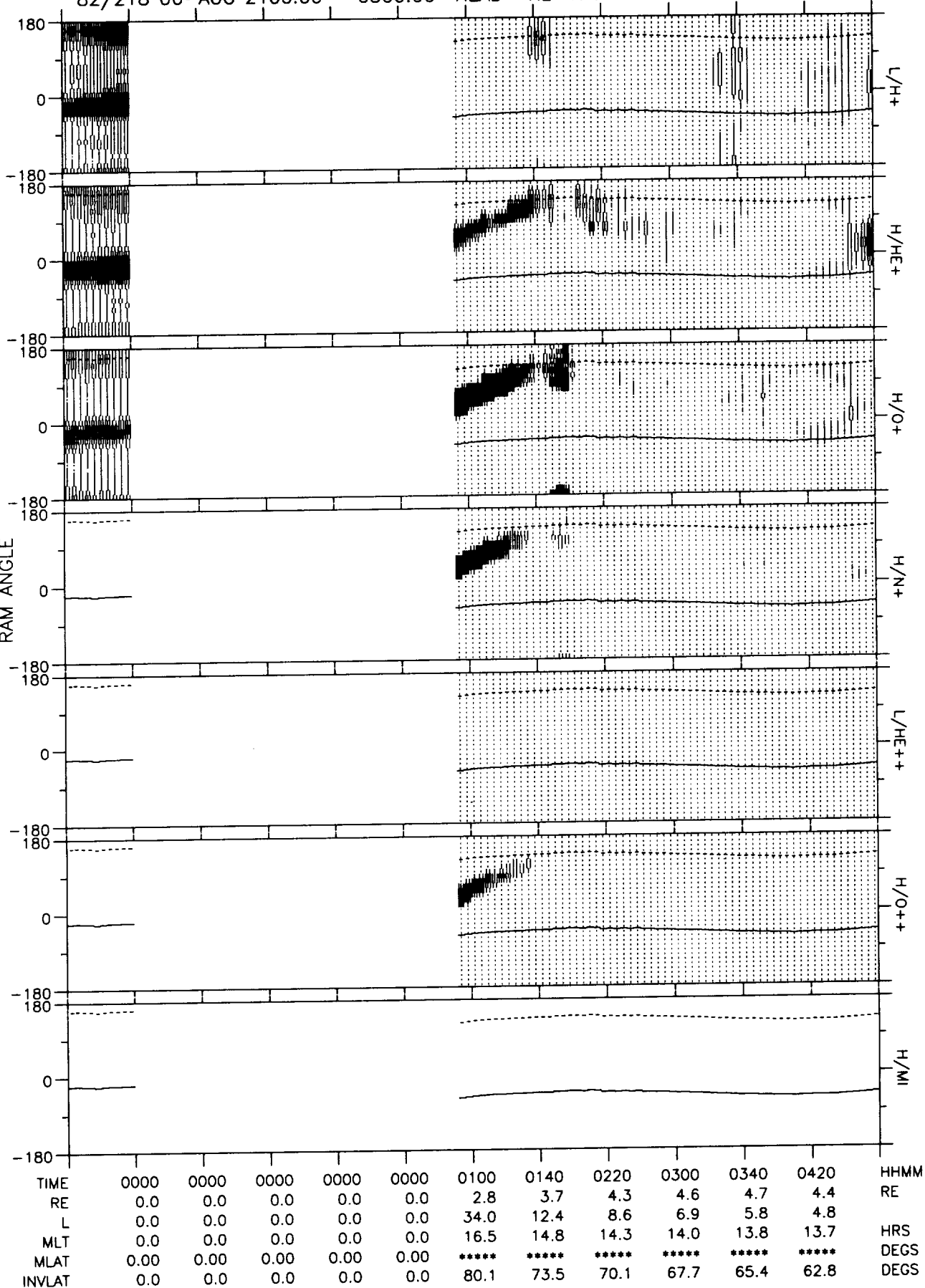
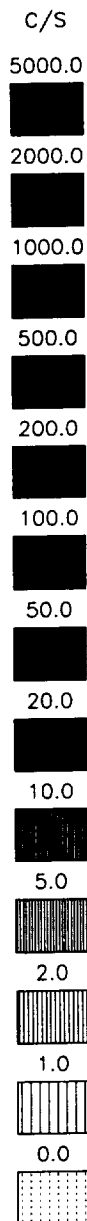
DE RMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Fri Oct 22 23:37:26 1993

82/218 06-AUG 1415:00 - 2215:00 HEAD= RL RPA= 0 to 1000 BIAS= A



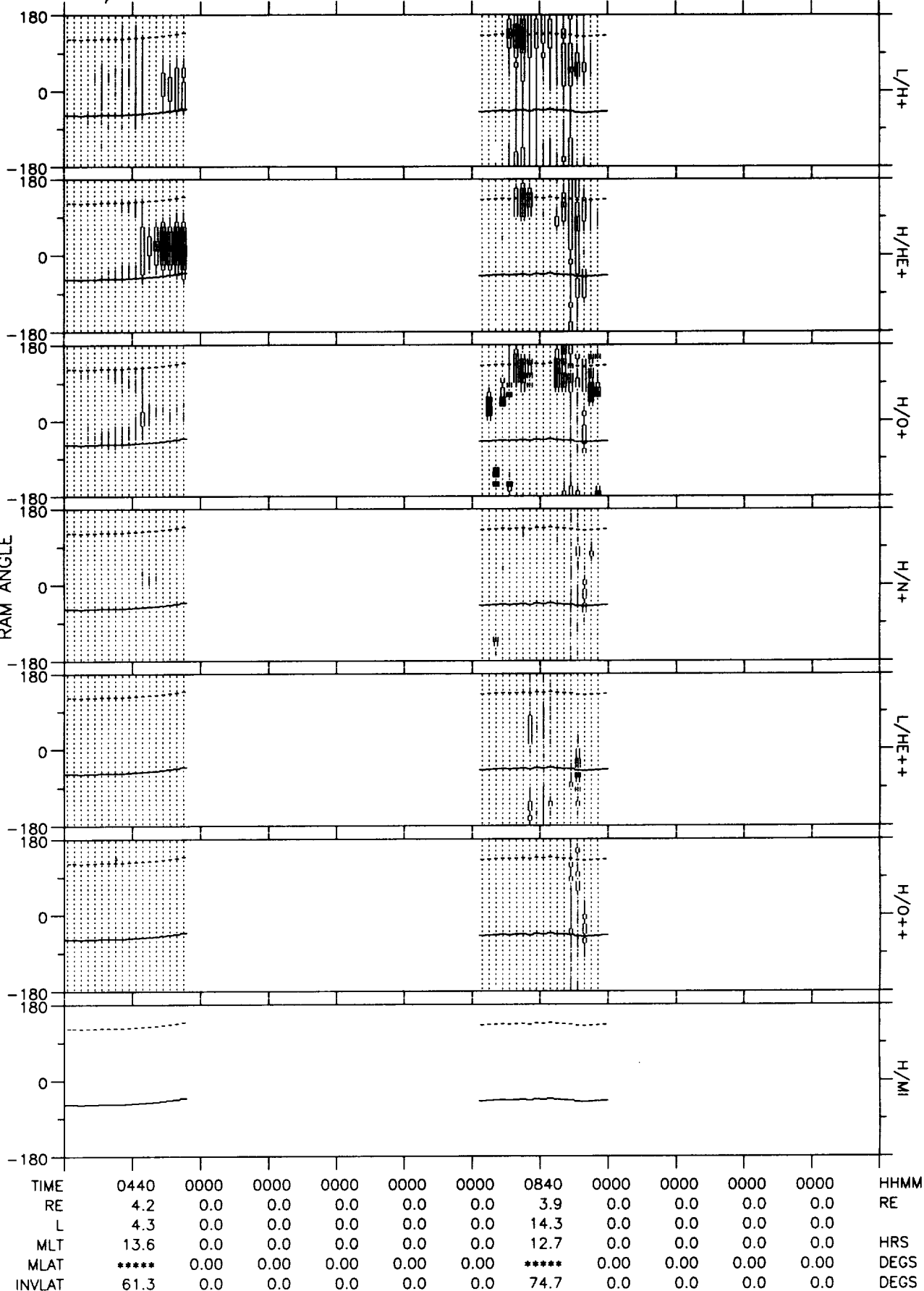
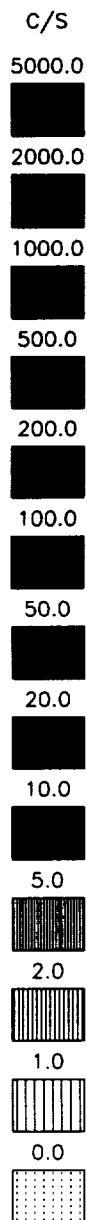
DE RIMS SPIN SUMMARY
SPINRADIAL_ALL (V1.0)
Fri Oct 22 23:30:54 1993

82/218 06-AUG 2100:00 - 0500:00 HEAD= RL RPA= 0 to 1000 BIAS= A



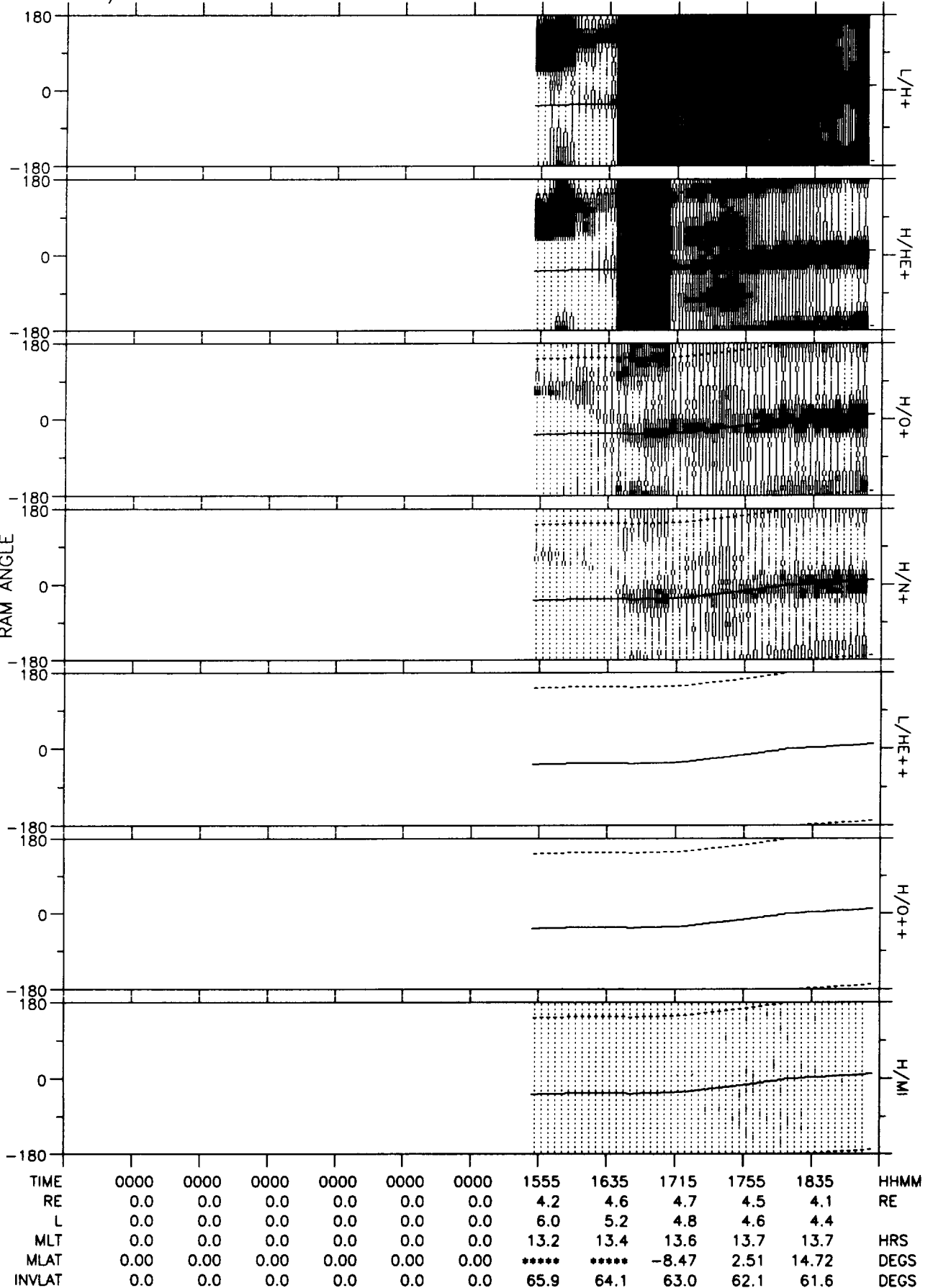
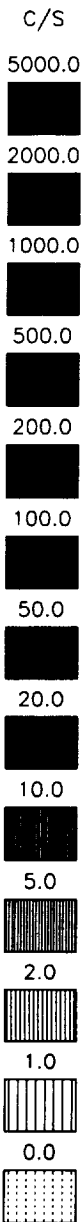
DE RUS SPIN SUMMARY
SPIN/JOURNAL (V1.0)
Fri Oct 22 23:40:47 1993

82/219 07-AUG 0400:00 - 1200:00 HEAD= RL RPA= 0 to 1000 BIAS= A



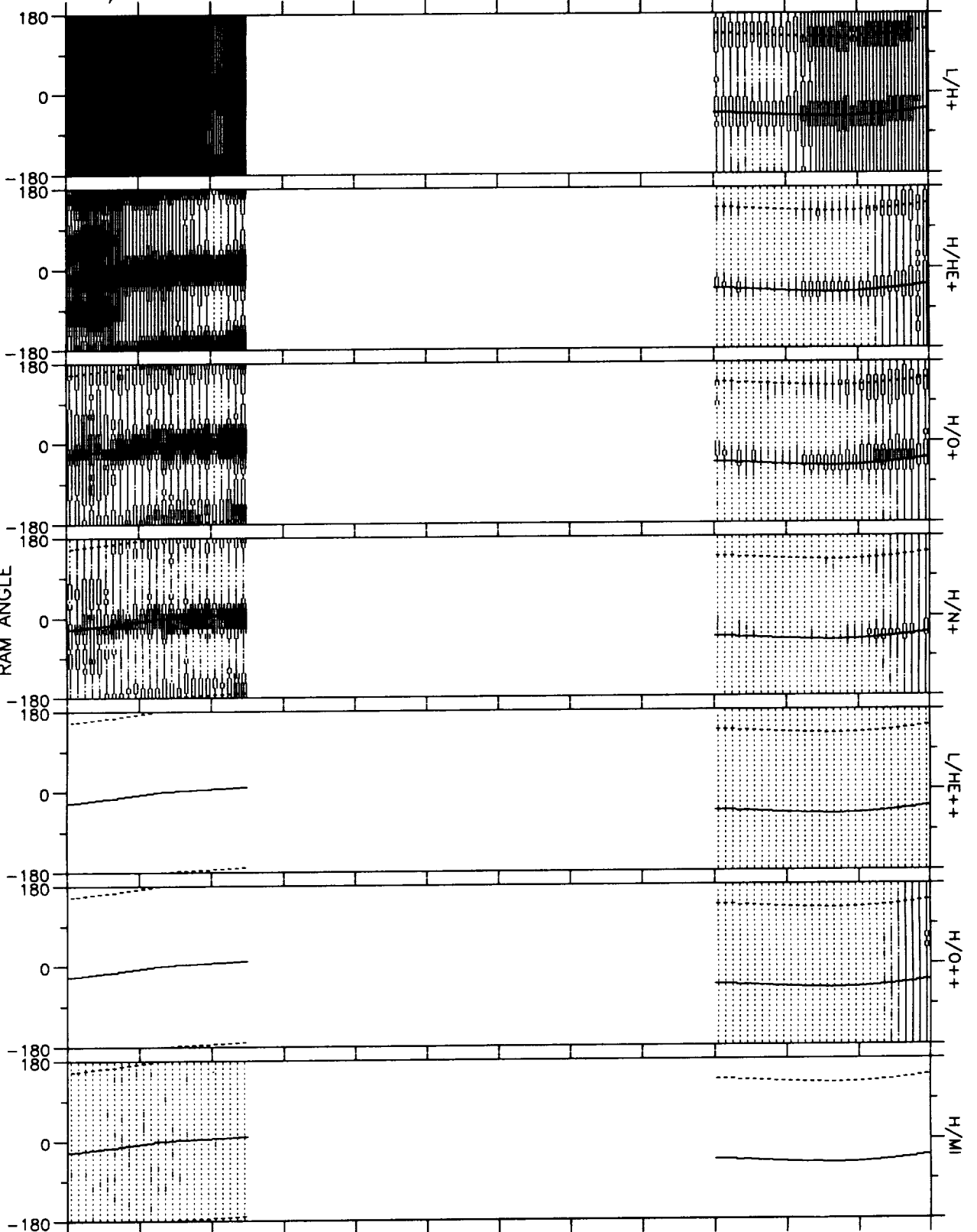
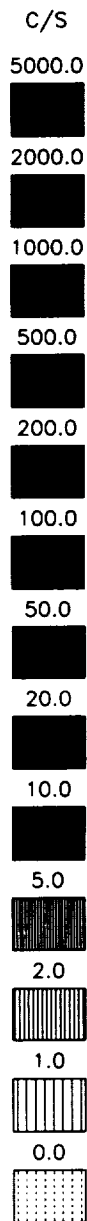
DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Fri Oct 22 23:42:15 1993

82/219 07-AUG 1115:00 - 1915:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Fri Oct 22 23:44:13 1993

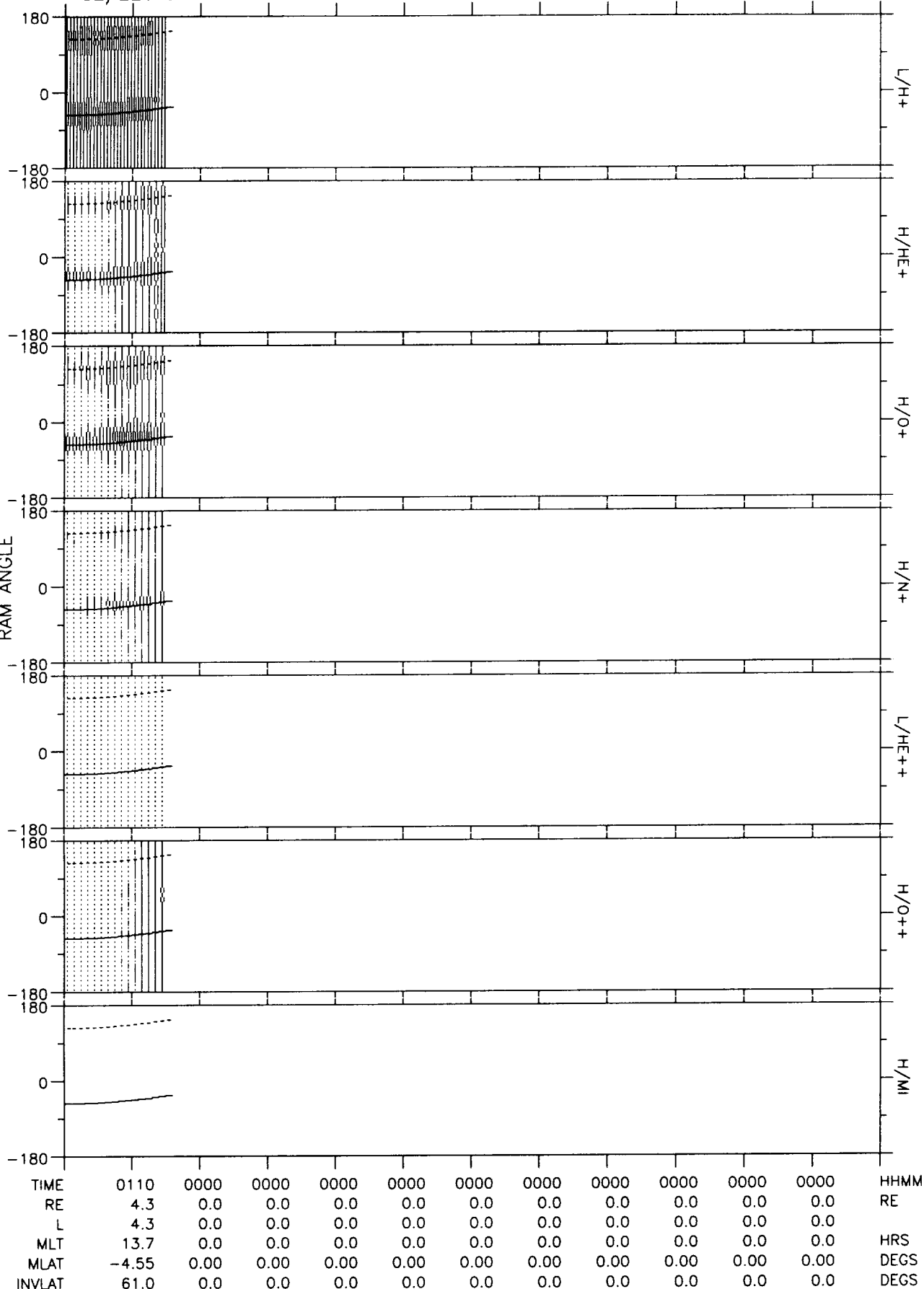
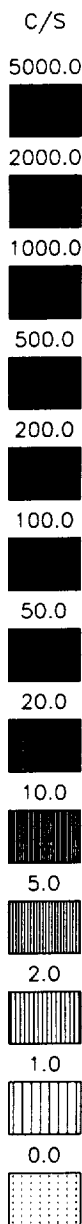
82/219 07-AUG 1730:00 - 0130:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	1810	1850	0000	0000	0000	0000	0000	0000	2330	0010	0050	HHMM
RE	4.4	3.8	0.0	0.0	0.0	0.0	0.0	0.0	4.6	4.7	4.5	RE
L	4.5	4.4	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.2	4.6	
MLT	13.7	13.7	0.0	0.0	0.0	0.0	0.0	0.0	14.2	14.0	13.8	HRS
MLAT	6.87	20.09	0.00	0.00	0.00	0.00	0.00	0.00	*****	*****	-9.37	DEGS
INVLAT	61.9	61.5	0.0	0.0	0.0	0.0	0.0	0.0	65.3	63.9	62.1	DEGS

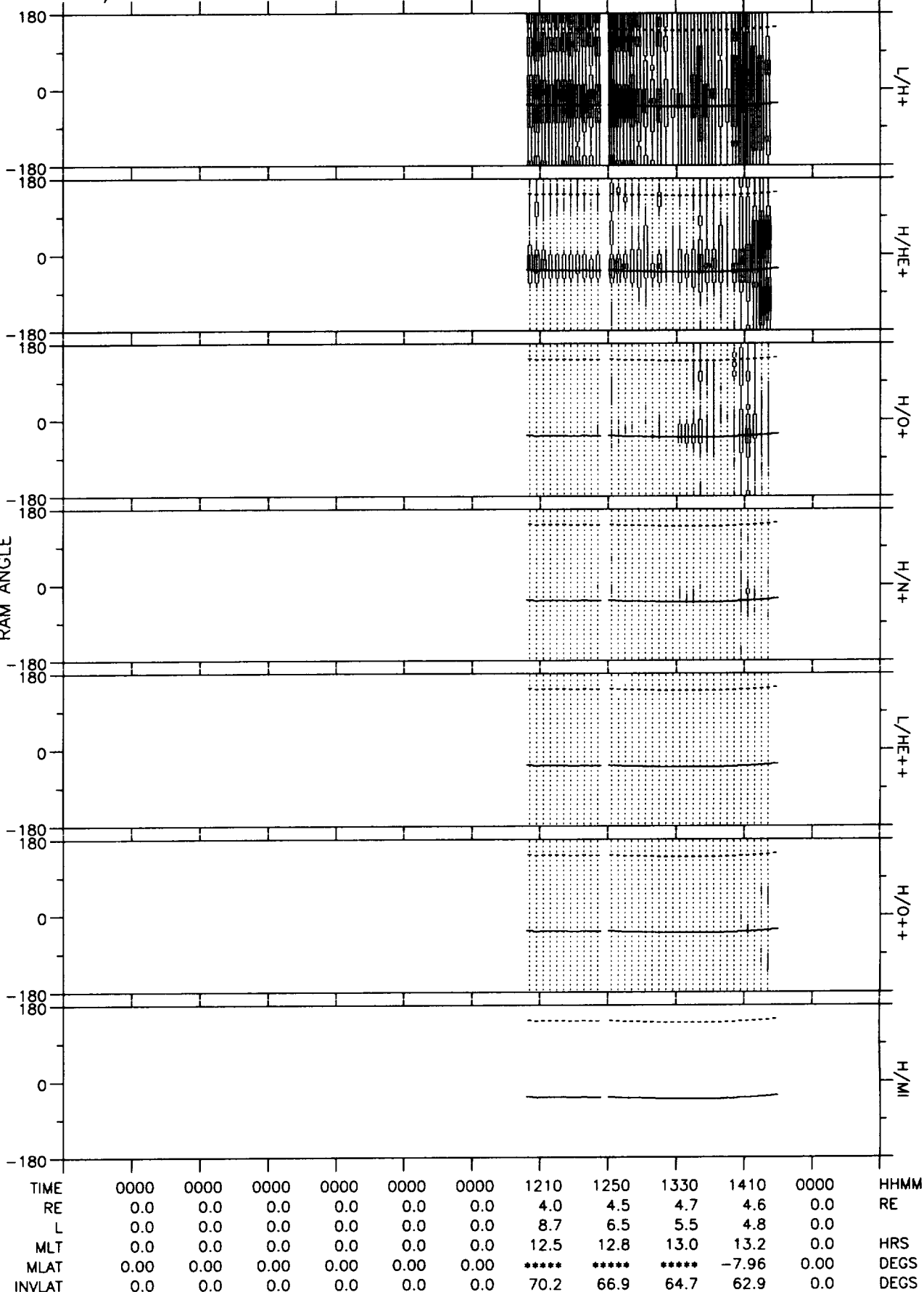
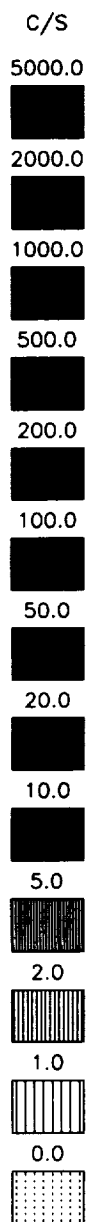
DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Mon Oct 25 13:49:09 1993

82/220 08-AUG 0030:00 - 0830:00 HEAD= RL RPA= 0 to 1000 BIAS= A



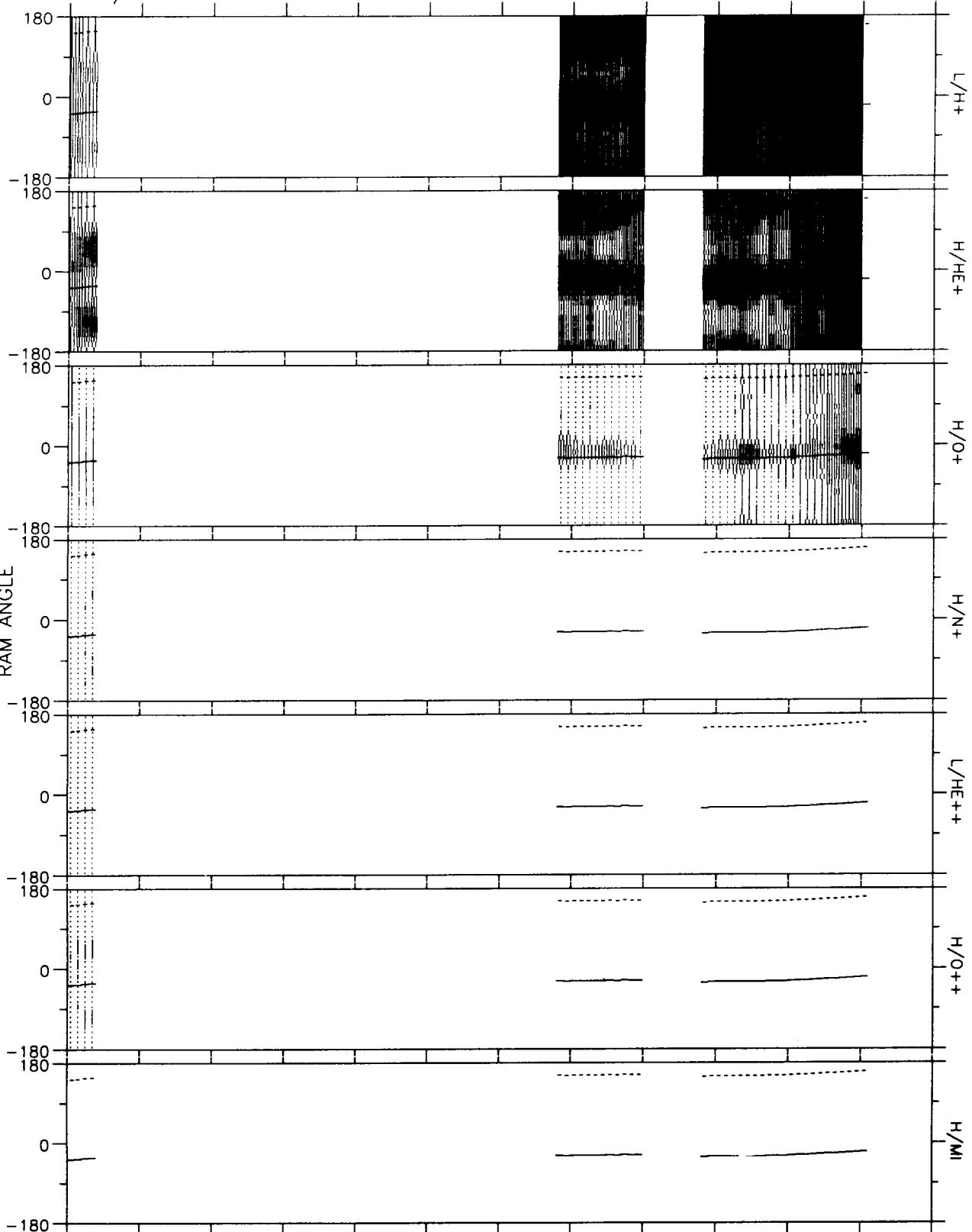
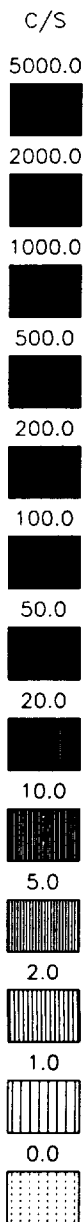
DE RMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Mon Oct 25 15:50:25 1993

82/220 08-AUG 0730:00 - 1530:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Mon Oct 25 15:51:54 1993

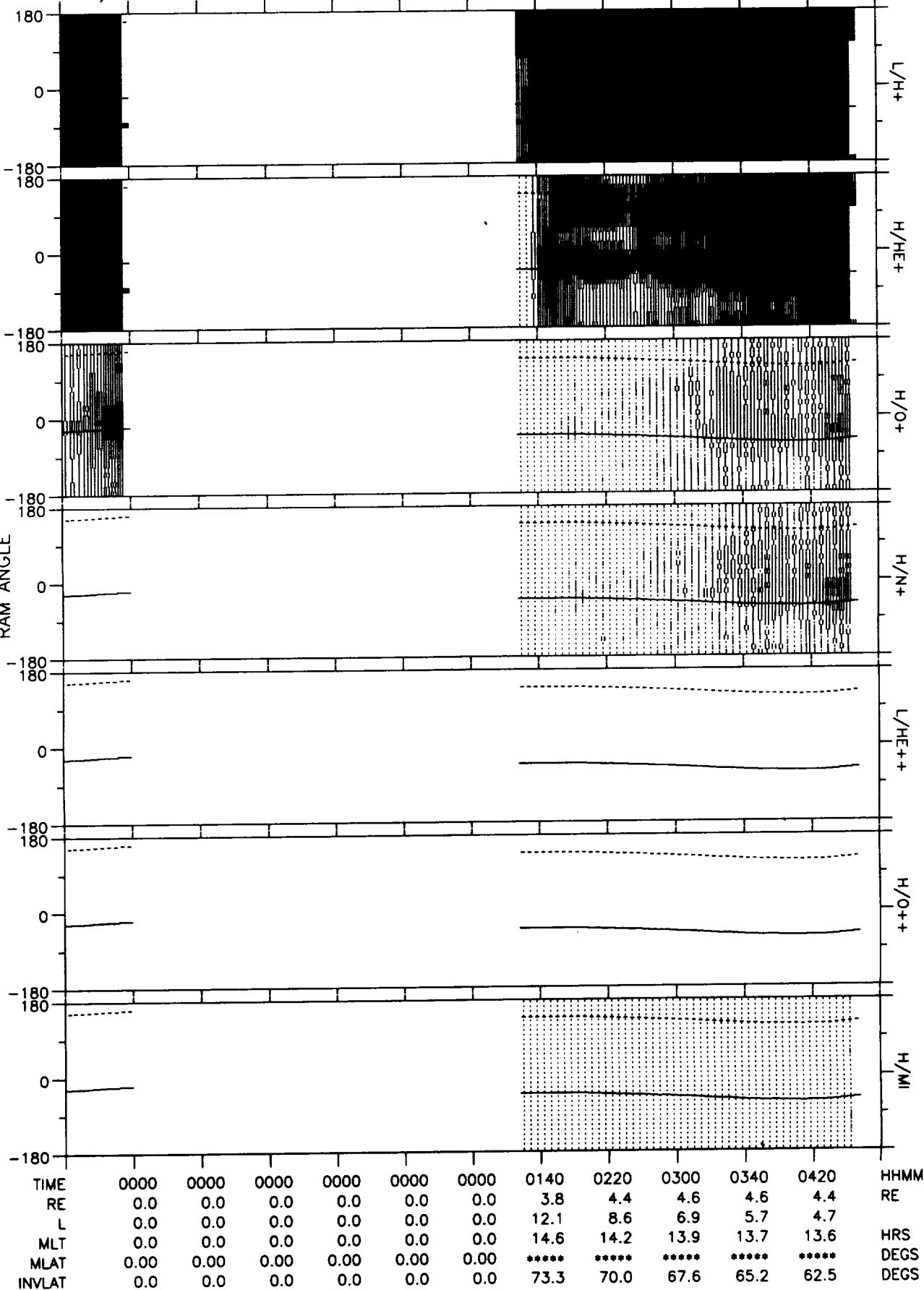
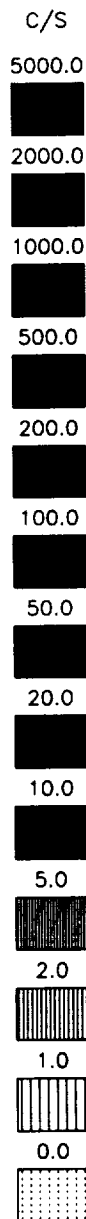
82/220 08-AUG 1415:00 - 2215:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0000	0000	0000	0000	0000	0000	1855	0000	2015	2055	2135	HHMM
RE	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	4.6	4.6	4.4	RE
L	0.0	0.0	0.0	0.0	0.0	0.0	6.3	0.0	5.0	4.7	4.4	
MLT	0.0	0.0	0.0	0.0	0.0	0.0	13.8	0.0	13.9	13.8	13.8	HRS
MLAT	0.00	0.00	0.00	0.00	0.00	0.00	****	0.00	****	-6.65	2.17	DEGS
INVLAT	0.0	0.0	0.0	0.0	0.0	0.0	66.5	0.0	63.5	62.5	61.5	DEGS

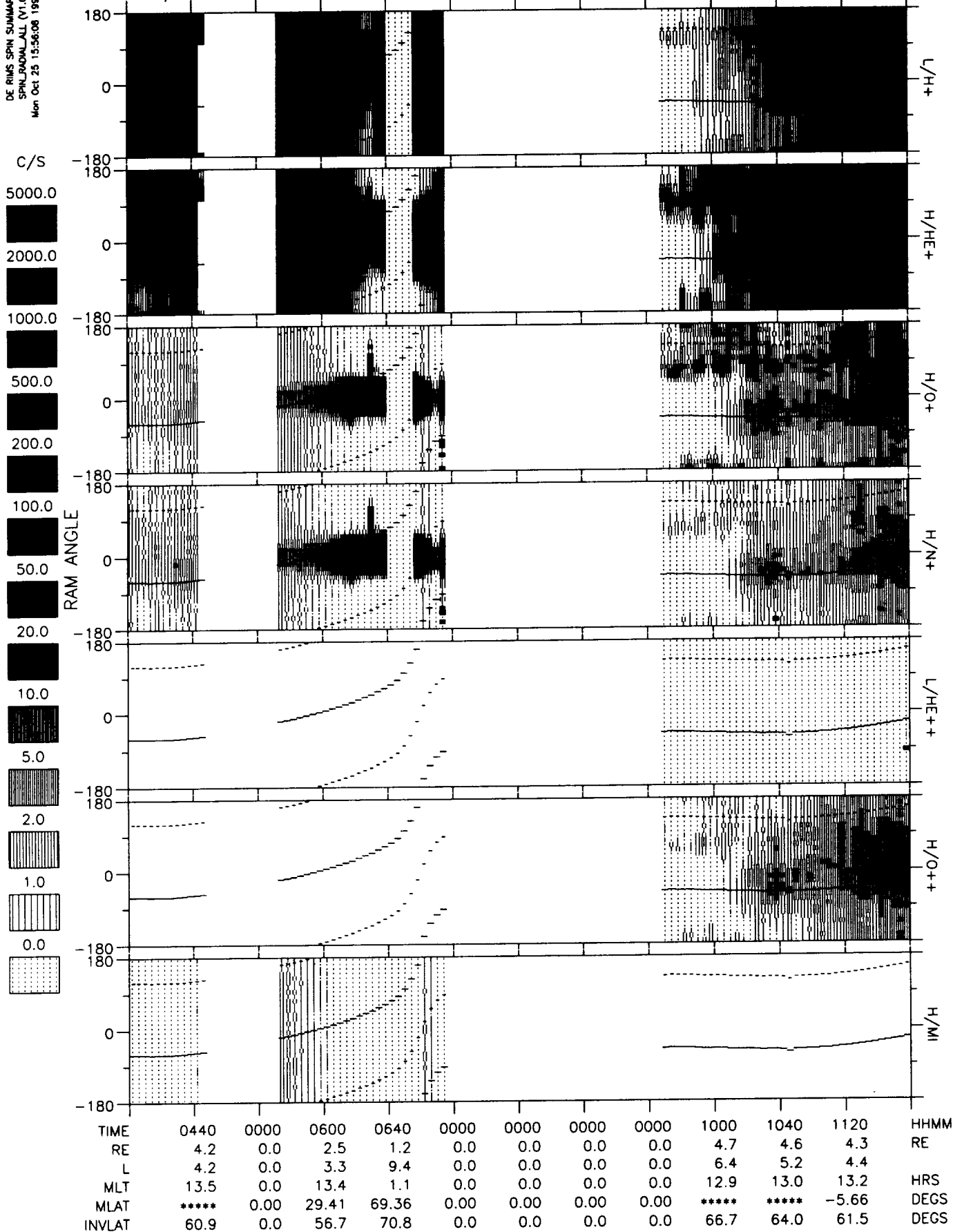
DE RIMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Mon Oct 25 15:53:41 1993

82/220 08-AUG 2100:00 - 0500:00 HEAD= RL RPA= 0 to 1000 BIAS= A



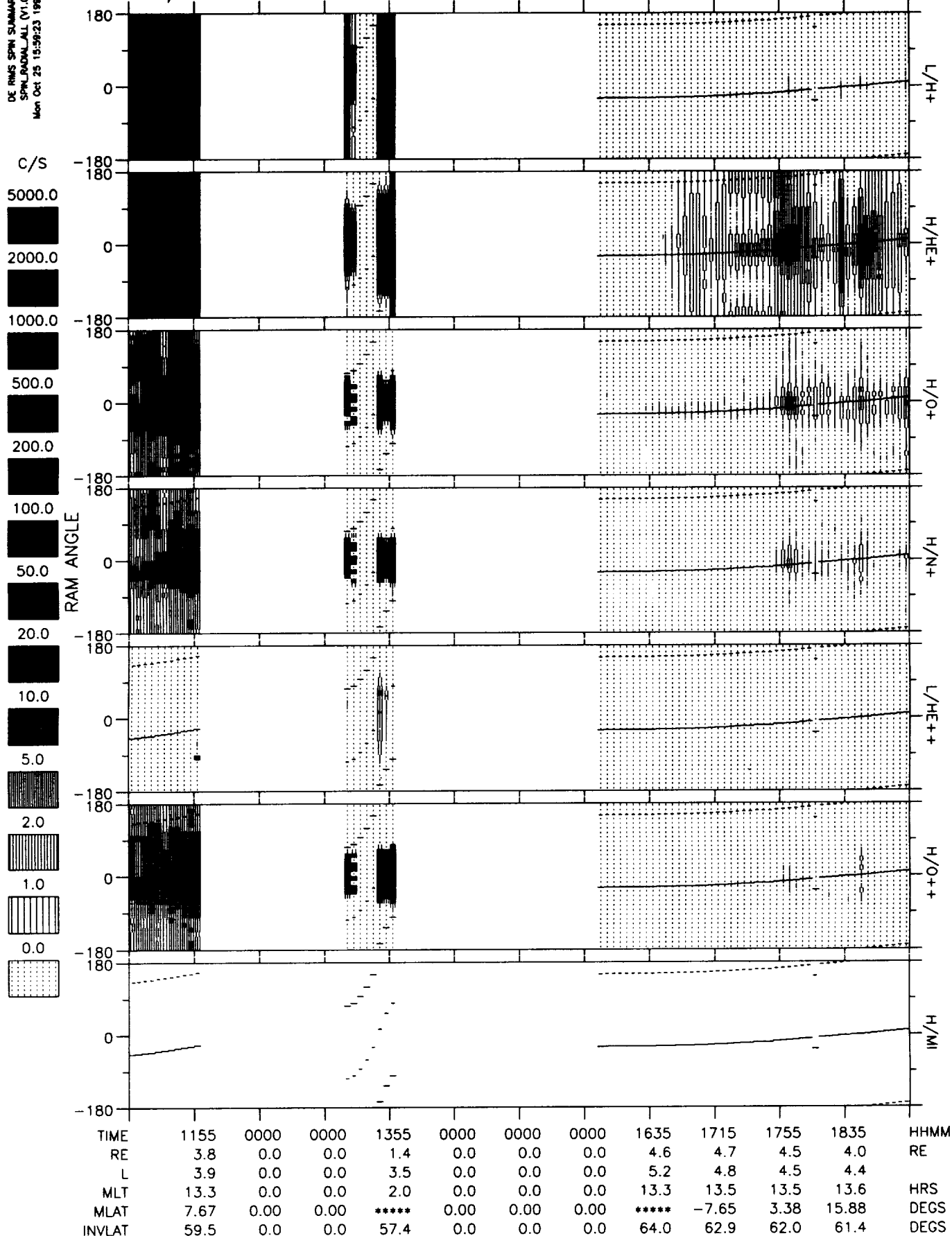
DE RIMS SPIN SUMMARY
SPIN/JAVALL (V1.0)
Mon Oct 25 15:56:08 1993

82/221 09-AUG 0400:00 - 1200:00 HEAD= RL RPA= 0 to 1000 BIAS= A



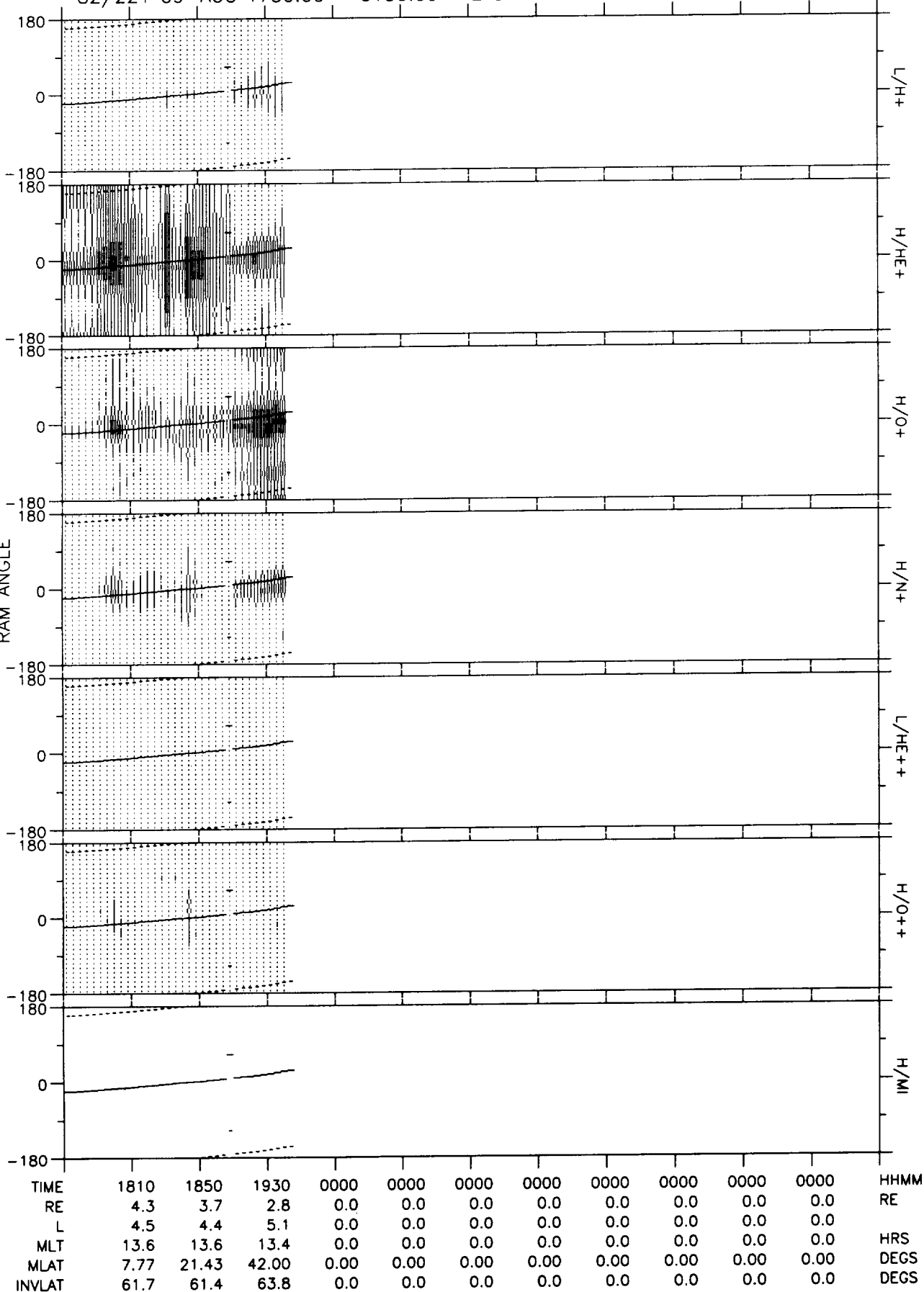
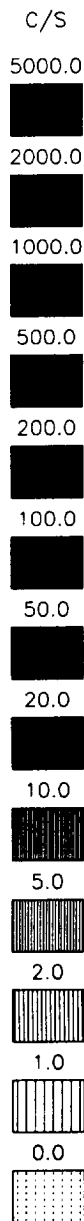
DE RMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Mon Oct 25 13:59:23 1993

82/221 09-AUG 1115:00 - 1915:00 HEAD= RL RPA= 0 to 1000 BIAS= A



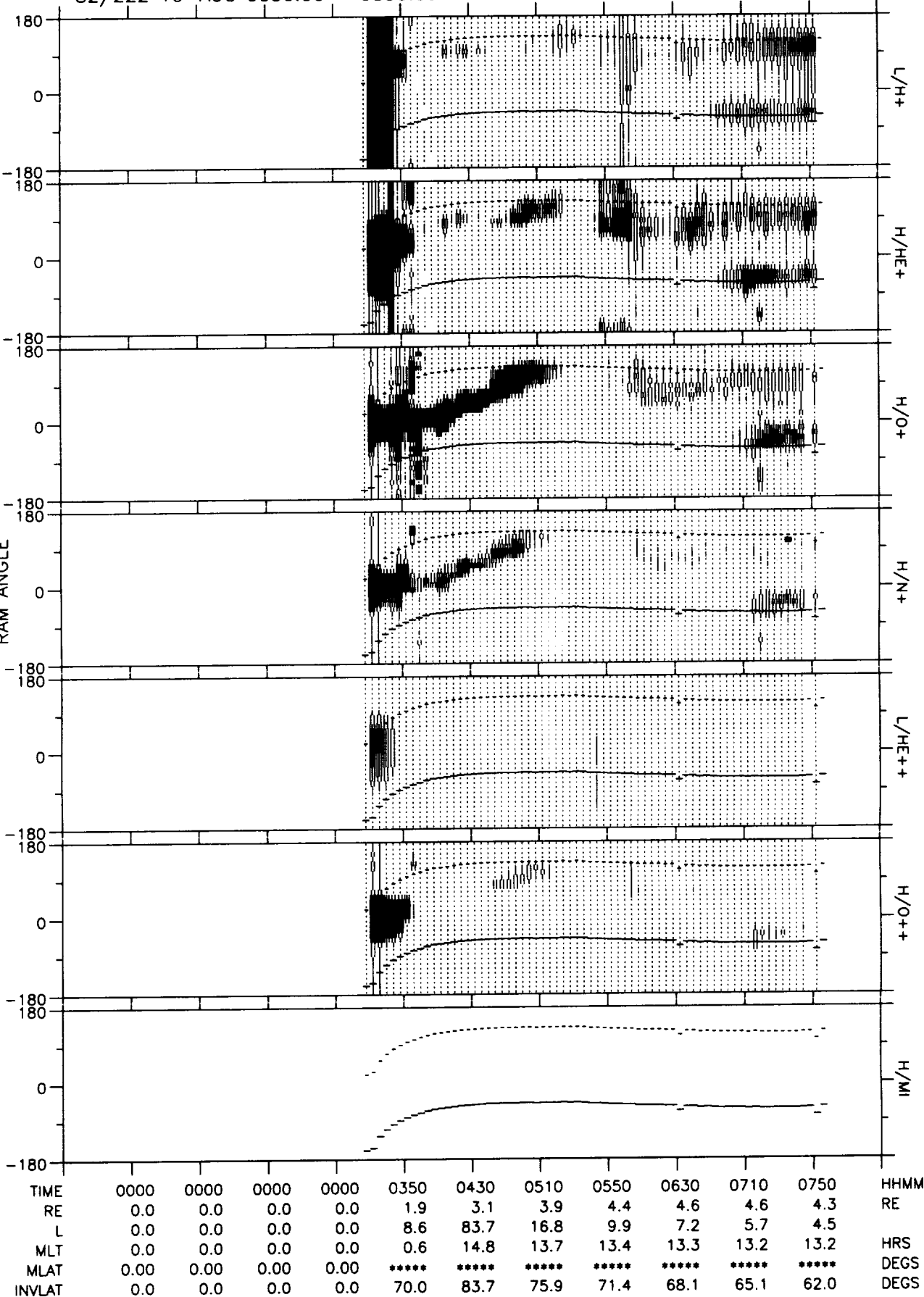
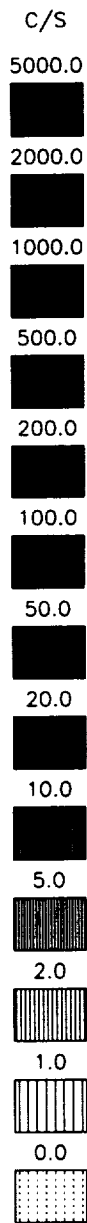
DE RMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Mon Oct 25 16:01:37 1993

82/221 09-AUG 1730:00 - 0130:00 HEAD= RL RPA= 0 to 1000 BIAS= A



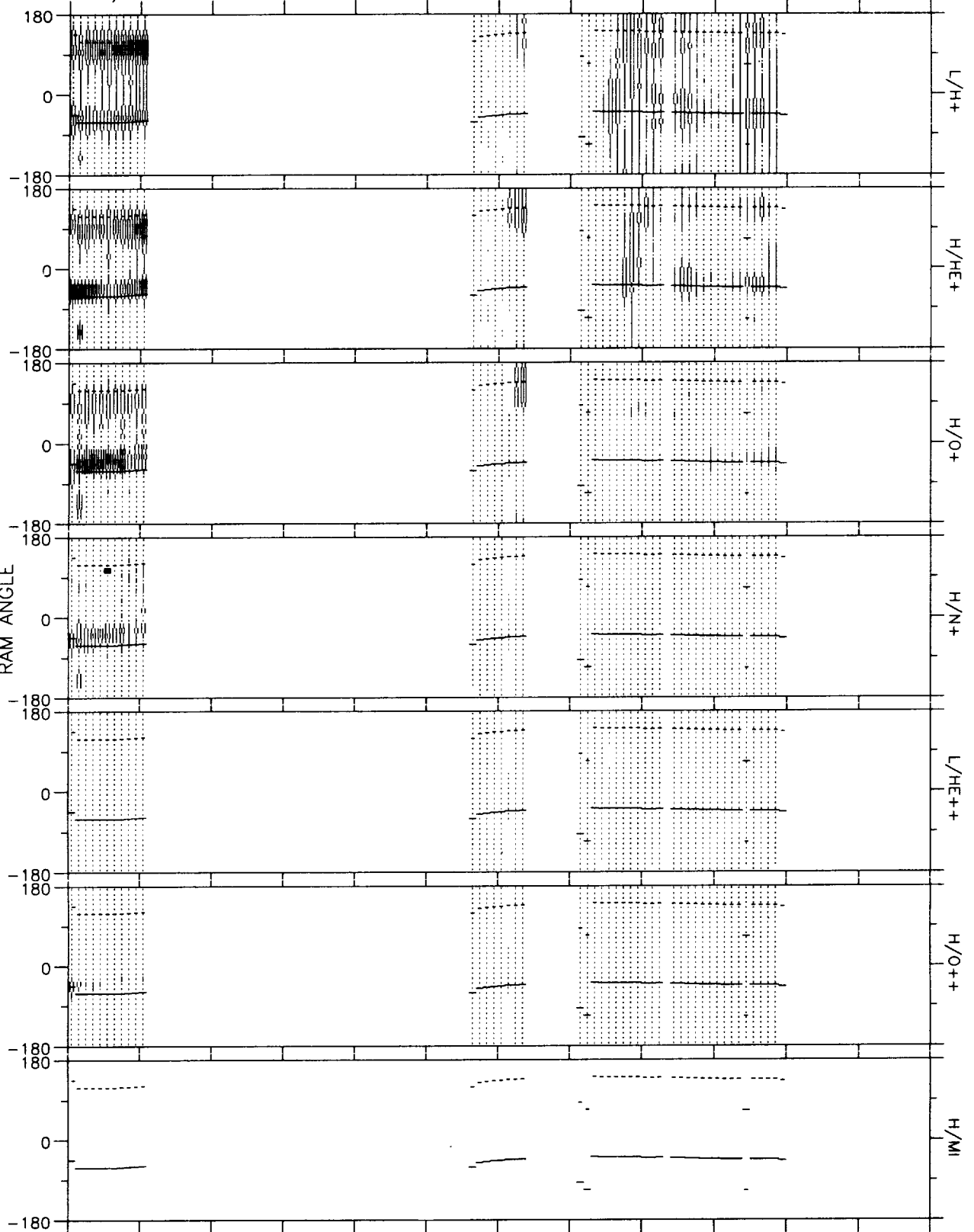
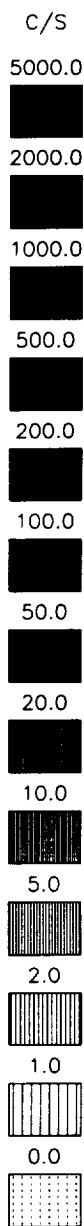
DE RUS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Mon Oct 25 16:03:03 1993

82/222 10-AUG 0030:00 - 0830:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN/RADIAL ALL (V1.0)
Mon Oct 25 16:05:01 1993

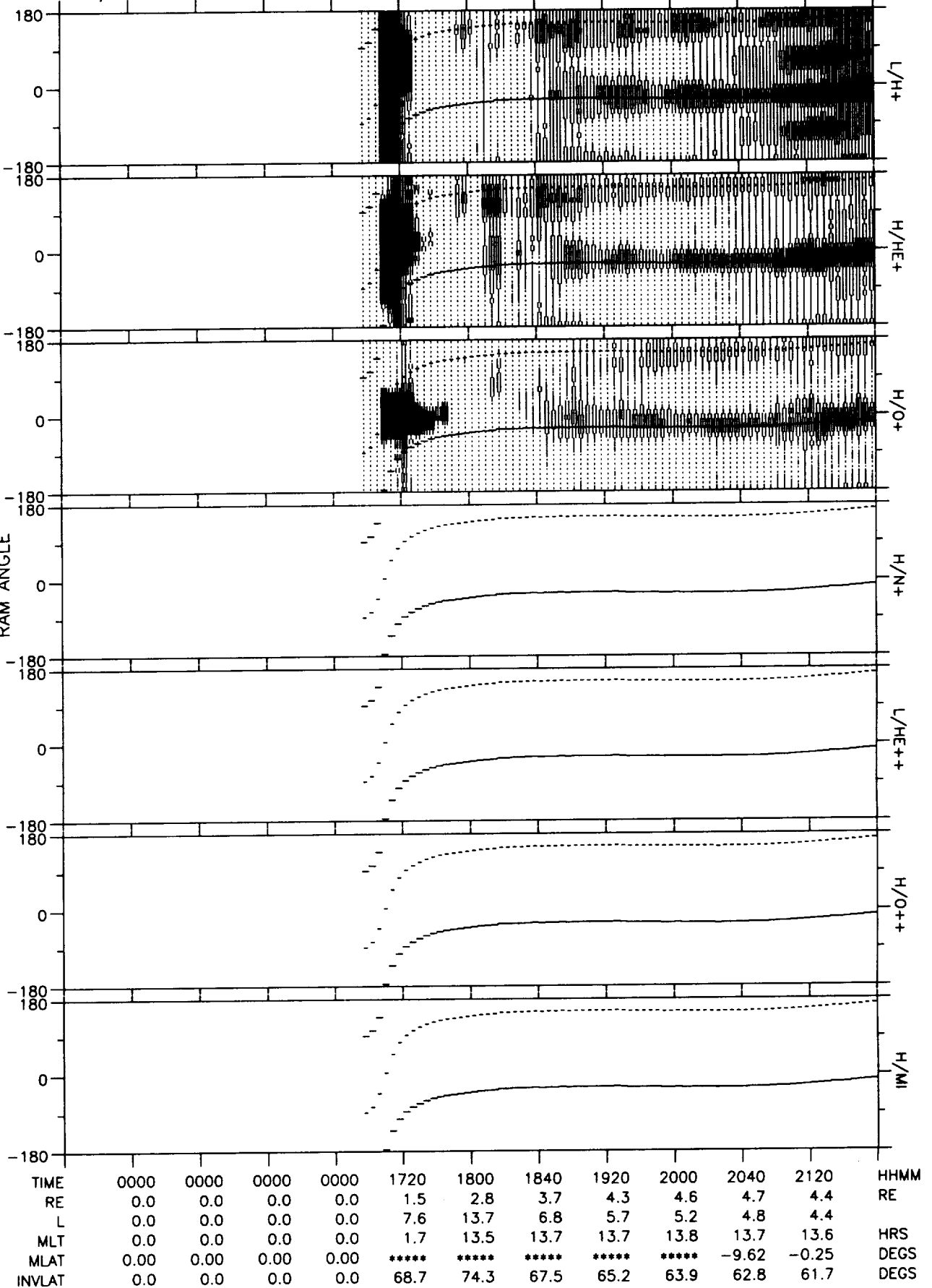
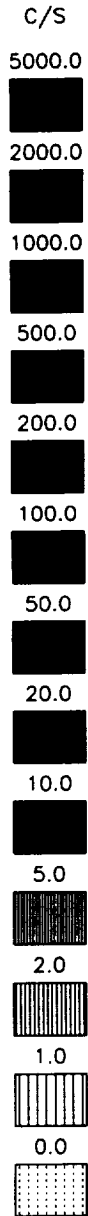
82/222 10-AUG 0715:00 - 1515:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0755	0000	0000	0000	0000	1115	0000	1235	1315	0000	0000	HHMM
RE	4.3	0.0	0.0	0.0	0.0	2.9	0.0	4.4	4.6	0.0	0.0	RE
L	4.5	0.0	0.0	0.0	0.0	26.2	0.0	7.0	5.7	0.0	0.0	
MLT	13.2	0.0	0.0	0.0	0.0	10.8	0.0	12.6	12.8	0.0	0.0	HRS
MLAT	*****	0.00	0.00	0.00	0.00	*****	0.00	*****	*****	0.00	0.00	DEGS
INVLAT	61.8	0.0	0.0	0.0	0.0	78.7	0.0	67.8	65.3	0.0	0.0	DEGS

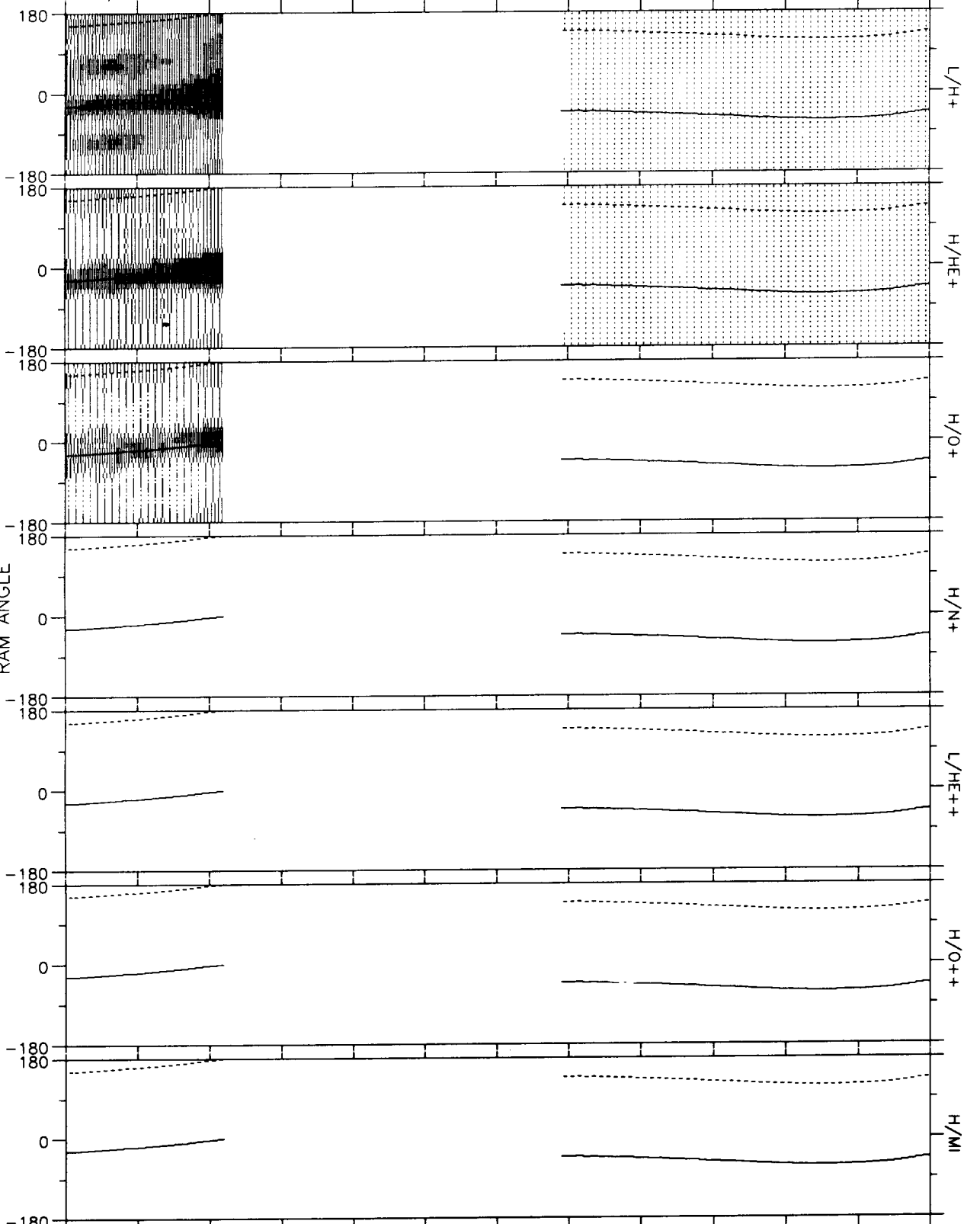
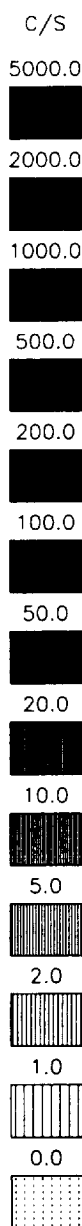
DE RIMS SPIN SUMMARY
SPINRADIALALL (V1.0)
Mon Oct 25 18:06:36 1993

82/222 10-AUG 1400:00 - 2200:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Mon Oct 25 16:12:00 1993

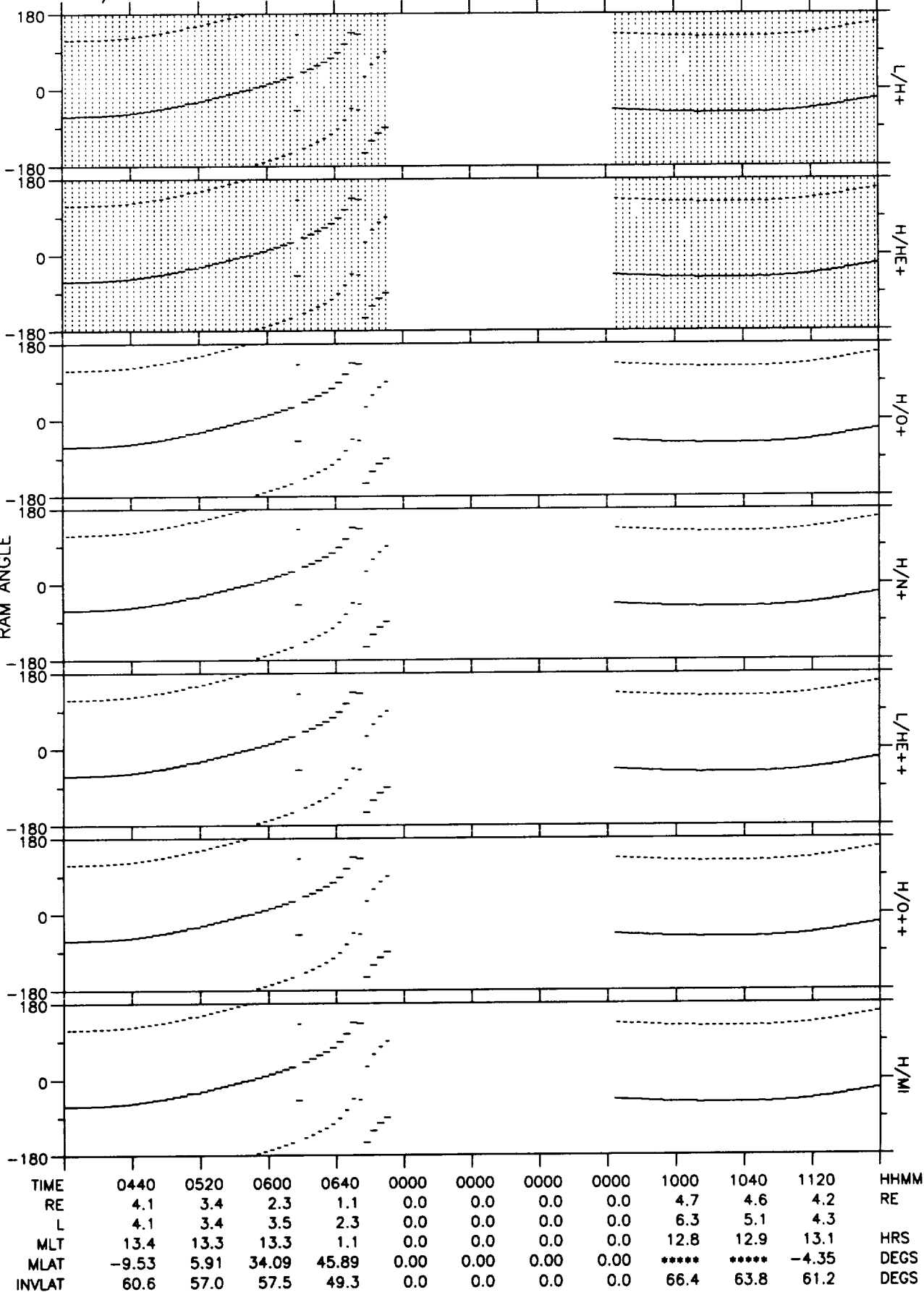
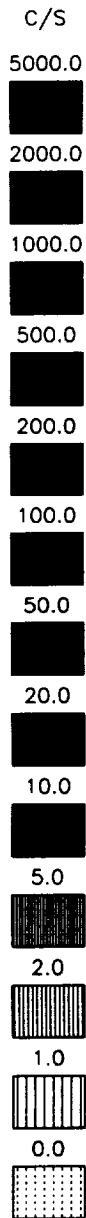
82/222 10-AUG 2100:00 - 0500:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	2140	2220	0000	0000	0000	0000	0140	0220	0300	0340	0420	HHMM
RE	4.2	3.6	0.0	0.0	0.0	0.0	3.9	4.4	4.6	4.6	4.3	RE
L	4.3	3.9	0.0	0.0	0.0	0.0	11.8	8.5	6.8	5.6	4.6	
MLT	13.6	13.4	0.0	0.0	0.0	0.0	14.4	14.0	13.8	13.6	13.4	HRS
MLAT	4.89	17.62	0.00	0.00	0.00	0.00	*****	*****	*****	*****	*****	DEGS
INVLAT	61.0	59.6	0.0	0.0	0.0	0.0	73.1	70.0	67.5	65.1	62.2	DEGS

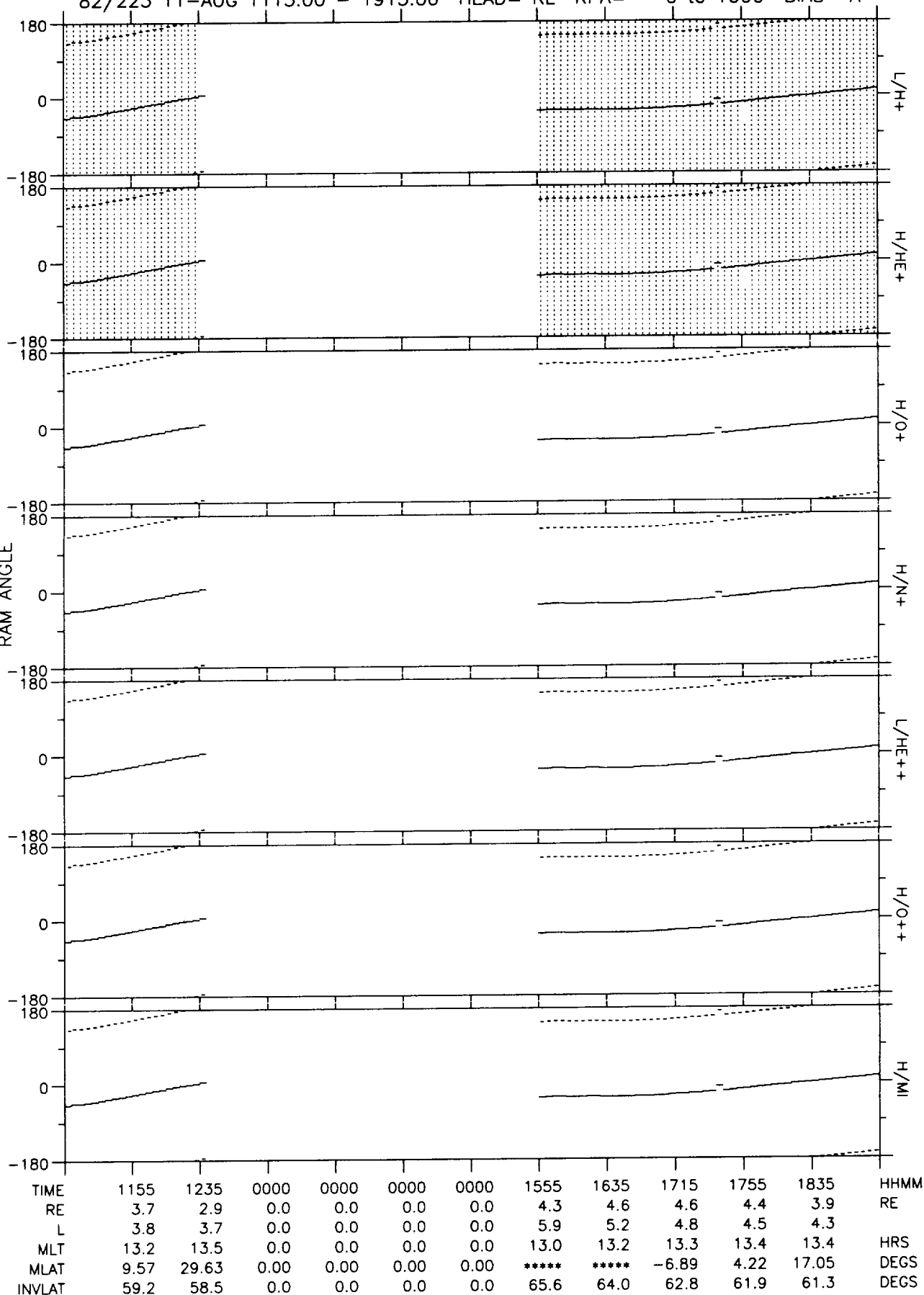
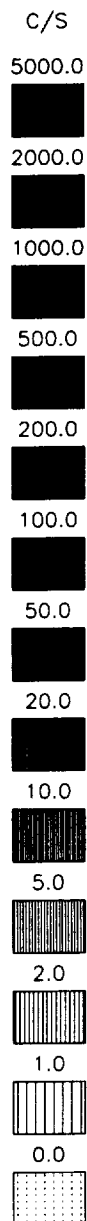
DE RIMS SPIN SUMMARY
SPINRADIALALL (V1.0)
Mon Oct 25 16:13:26 1993

82/223 11-AUG 0400:00 - 1200:00 HEAD= RL RPA= 0 to 1000 BIAS= A



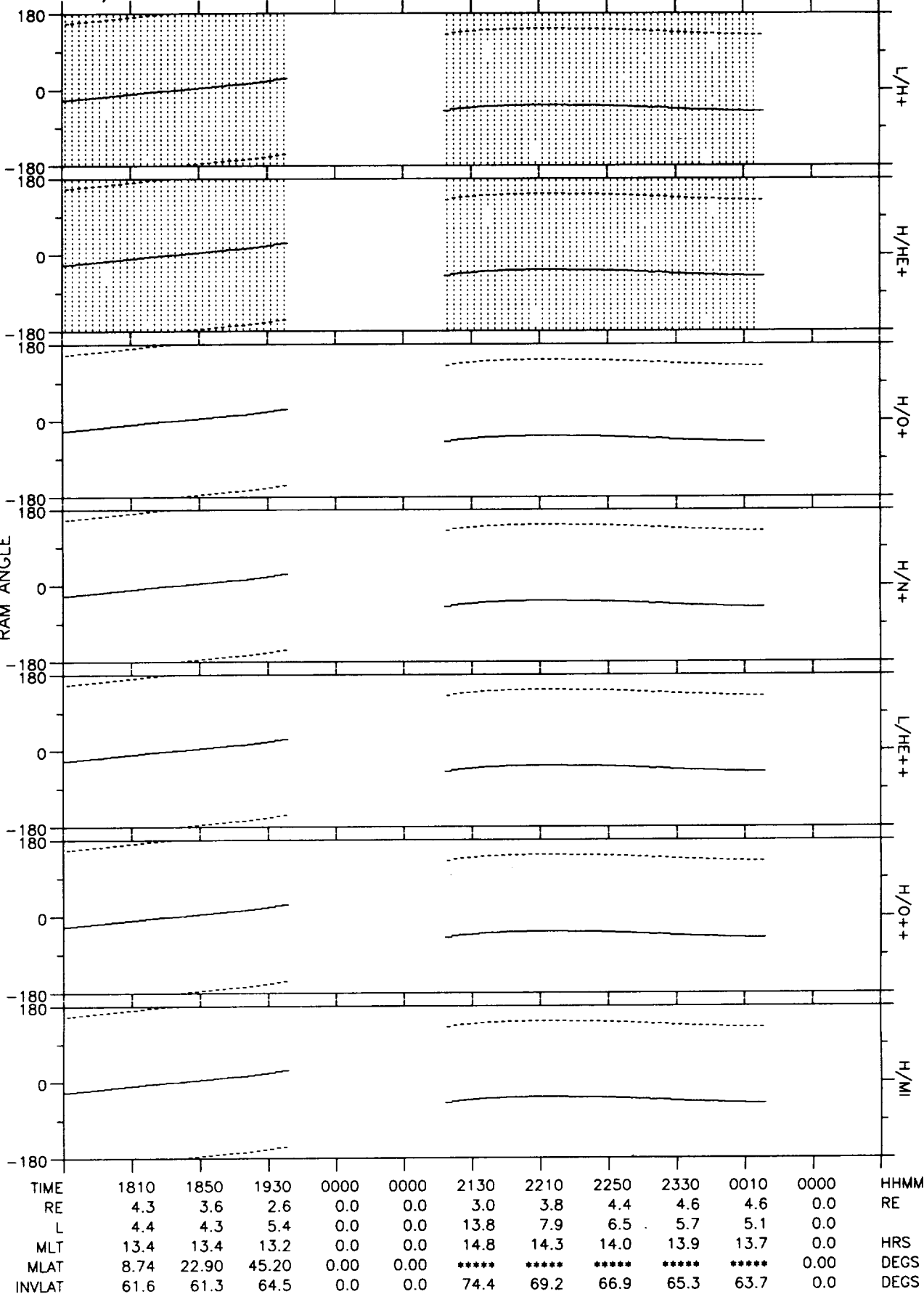
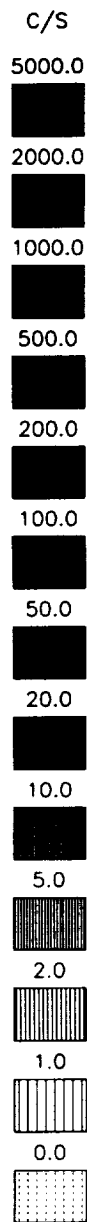
DE RIMS SPIN SUMMARY
SPIN/RADIALALL (V1.0)
Mon Oct 25 16:14:45 1993

82/223 11-AUG 1115:00 - 1915:00 HEAD= RL RPA= 0 to 1000 BIAS= A



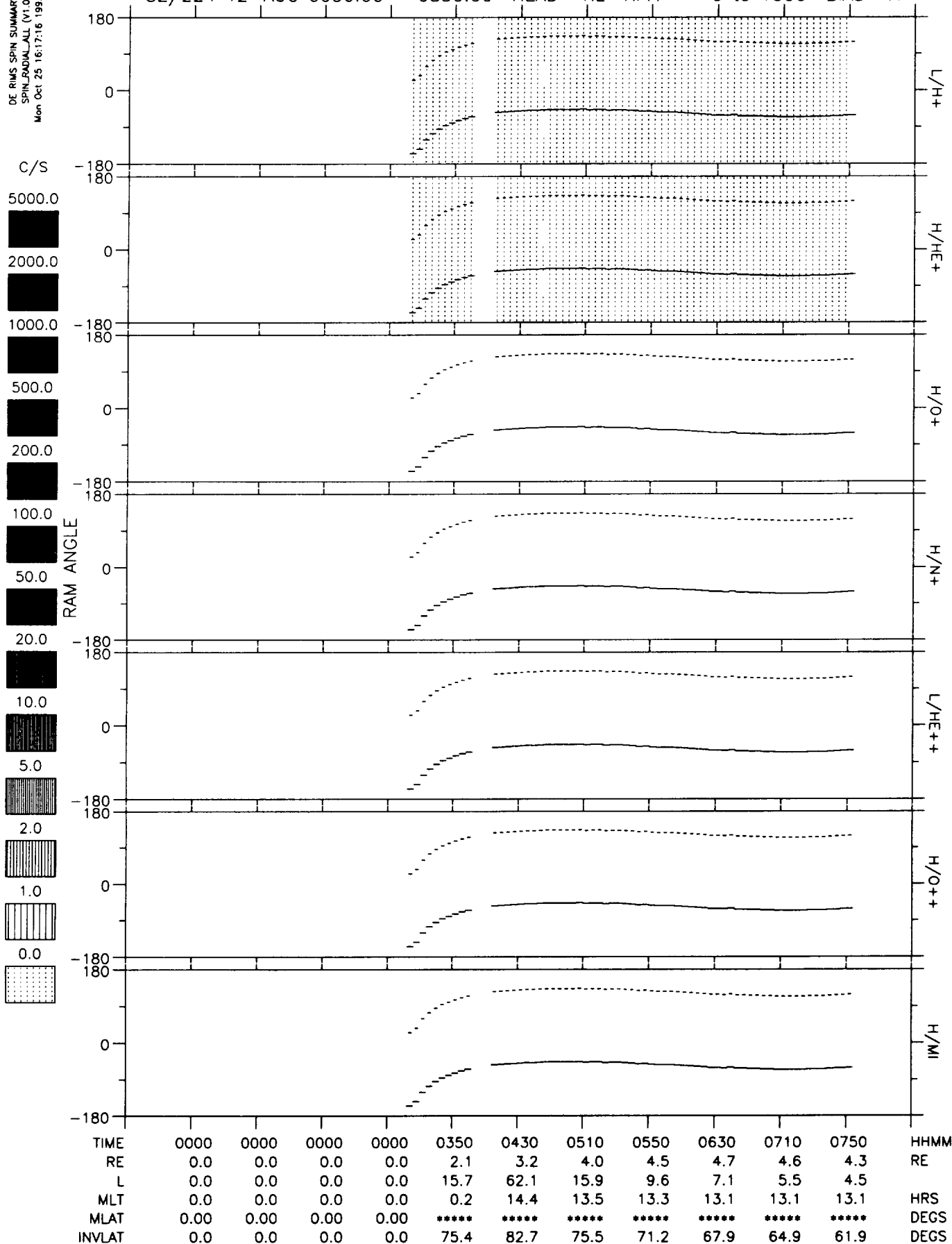
DE BUS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Mon Oct 23 16:15:56 1993

82/223 11-AUG 1730:00 - 0130:00 HEAD= RL RPA= 0 to 1000 BIAS= A



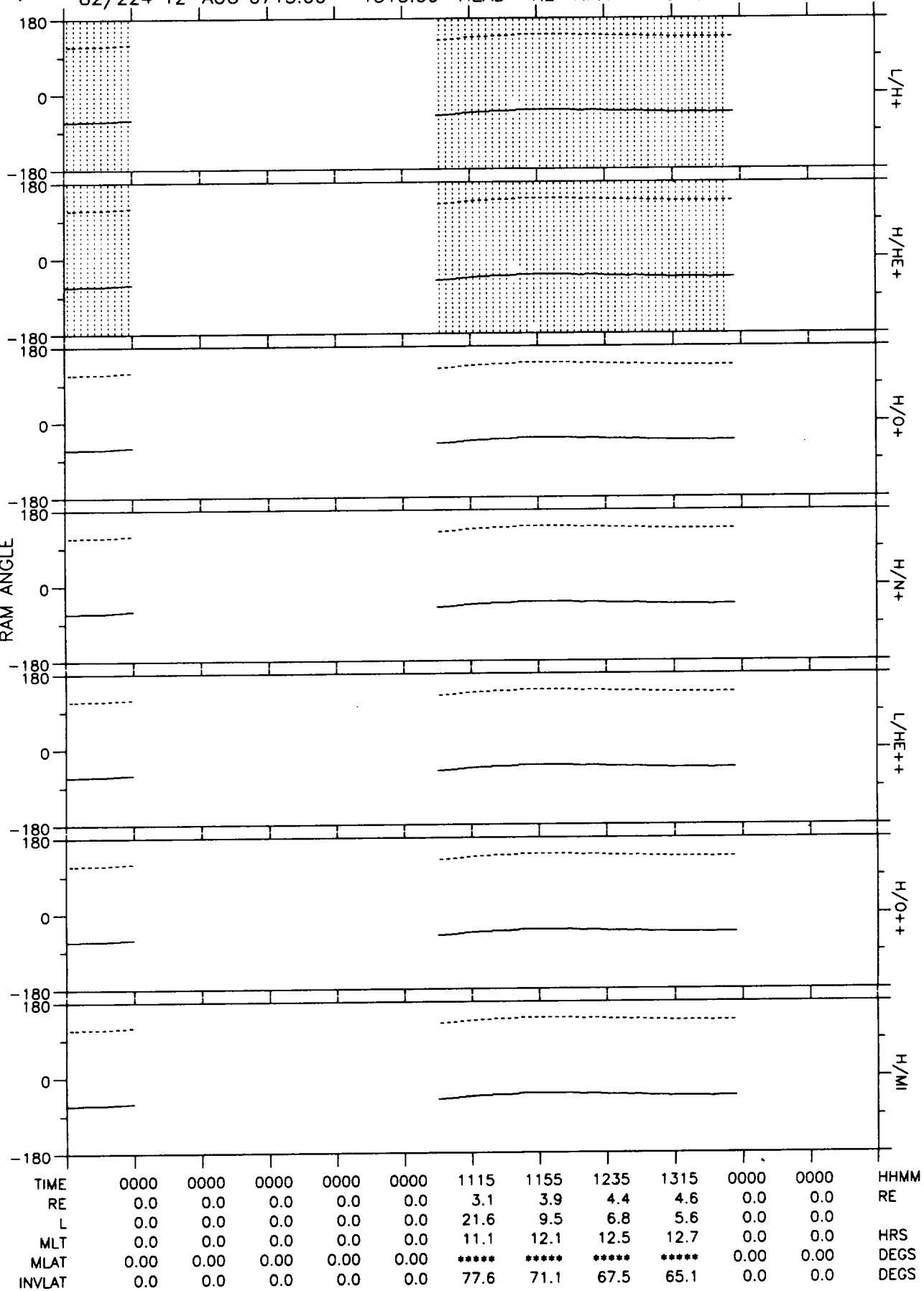
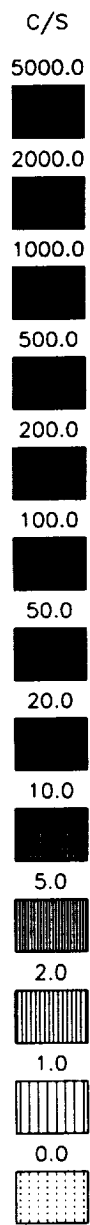
DE RIMS SPIN SUMMARY
SPIN_RADIAL.ALL (V1.0)
Mon Oct 25 16:17:16 1993

82/224 12-AUG 0030:00 - 0830:00 HEAD= RL RPA= 0 to 1000 BIAS= A



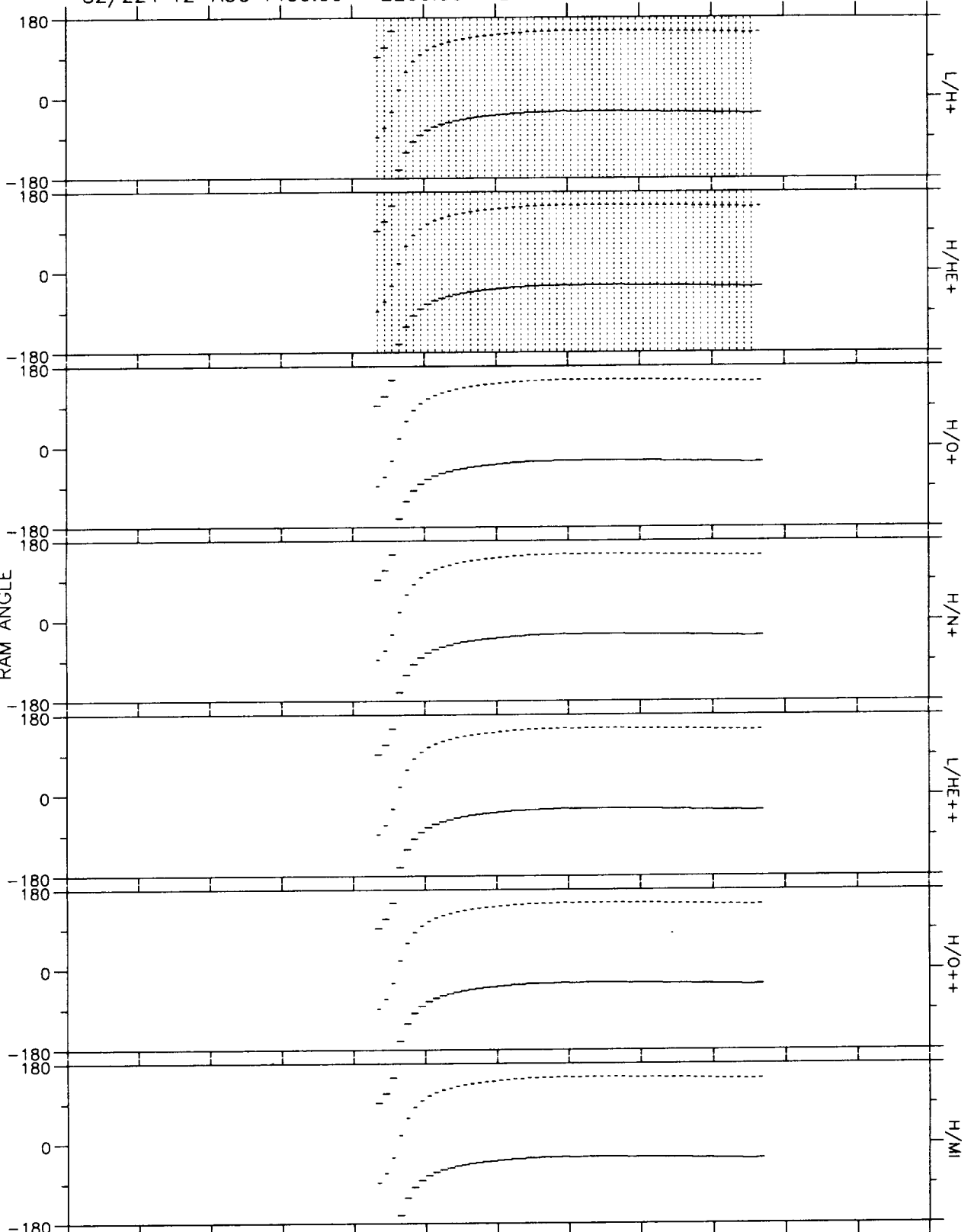
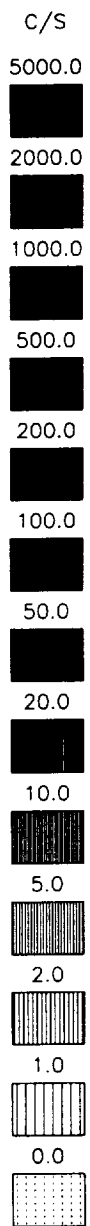
DE RIMS SPIN SUMMARY
SPIN-RADIAL-ALL (V1.0)
Mon Oct 25 18:18:28 1993

82/224 12-AUG 0715:00 - 1515:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPINRADIALALL (V1.0)
Mon Oct 25 16:19:39 1993

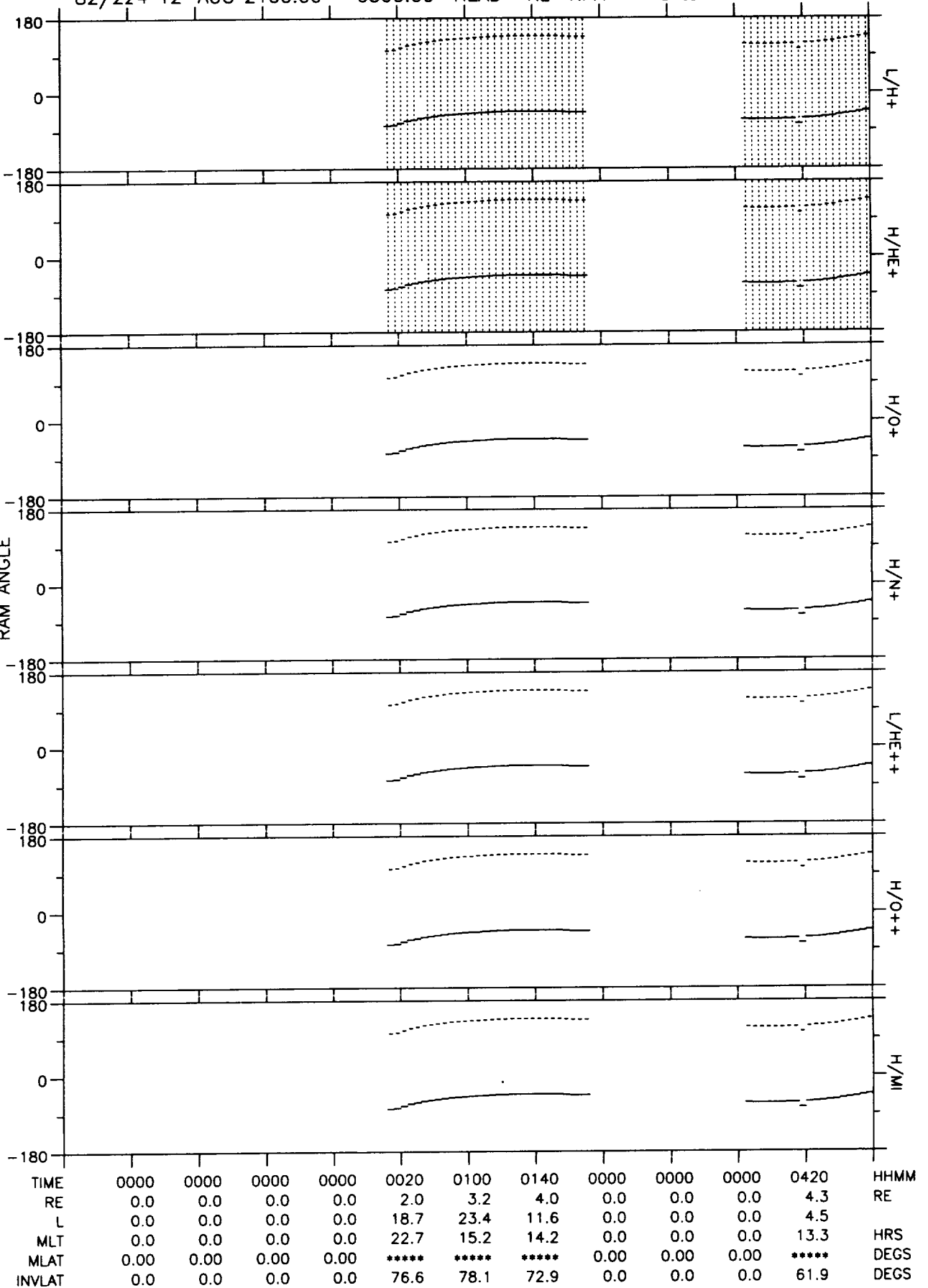
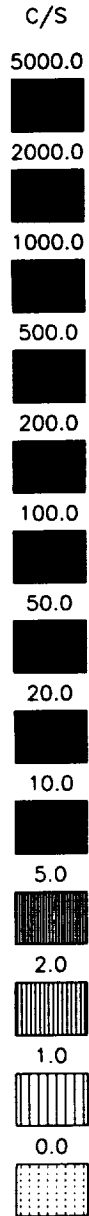
82/224 12-AUG 1400:00 - 2200:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0000	0000	0000	0000	1720	1800	1840	1920	2000	0000	0000	HHMM
RE	0.0	0.0	0.0	0.0	1.7	2.9	3.8	4.4	4.6	0.0	0.0	RE
L	0.0	0.0	0.0	0.0	27.5	11.9	6.7	5.7	5.2	0.0	0.0	HRS
MLT	0.0	0.0	0.0	0.0	1.7	13.4	13.6	13.6	13.6	0.0	0.0	DEGS
MLAT	0.00	0.00	0.00	0.00	*****	*****	*****	*****	*****	0.00	0.00	DEGS
INVLAT	0.0	0.0	0.0	0.0	79.0	73.2	67.3	65.1	63.9	0.0	0.0	

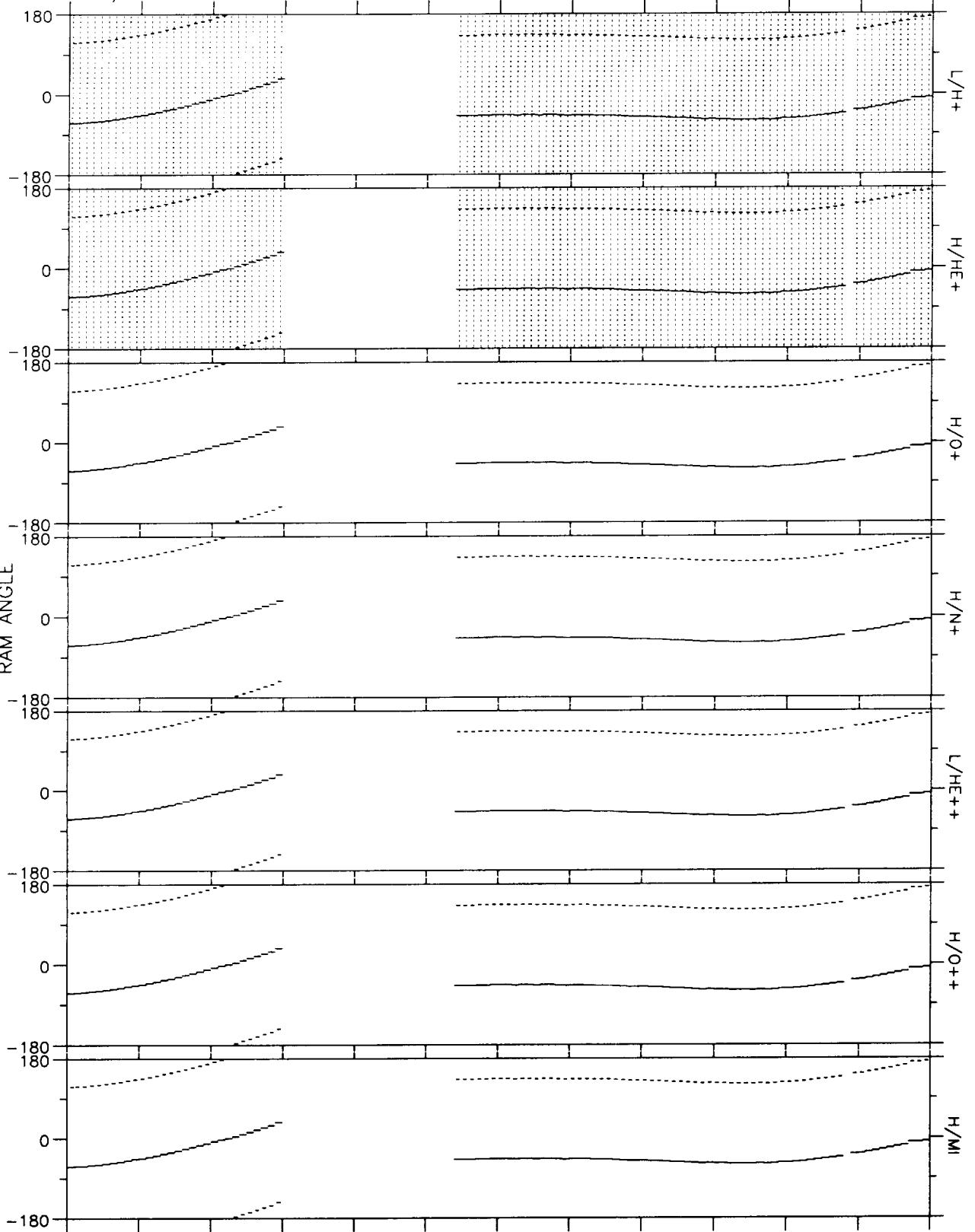
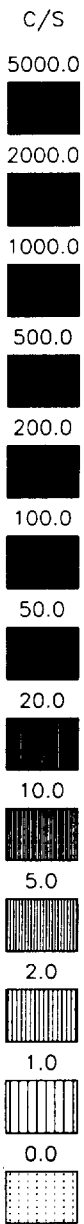
DE RMS SPIN SUMMARY
SPIN RADIAL (V1.0)
Mon Oct 23 16:20:50 1993

82/224 12-AUG 2100:00 - 0500:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPIN_RADIAL_ALL (V1.0)
Mon Oct 25 16:22:01 1993

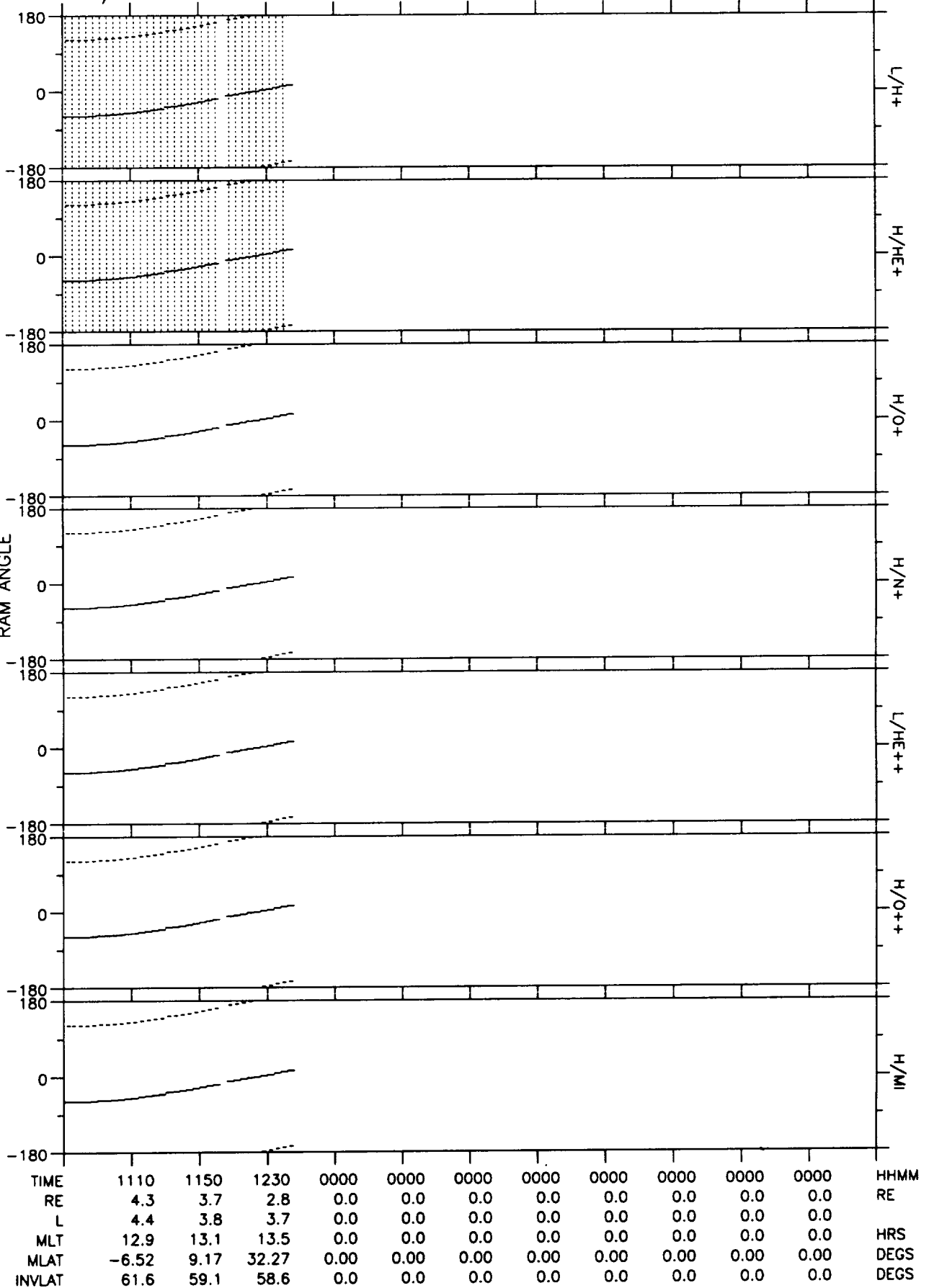
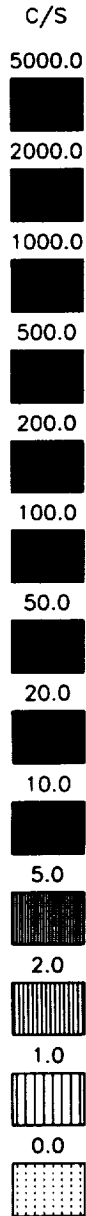
82/225 13-AUG 0415:00 - 1215:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0455	0535	0000	0000	0000	0815	0855	0935	1015	1055	1135	HHMM
RE	3.8	2.9	0.0	0.0	0.0	3.7	4.3	4.6	4.7	4.4	4.0	RE
L	3.7	3.1	0.0	0.0	0.0	19.6	10.0	7.1	5.7	4.7	4.0	
MLT	13.2	13.2	0.0	0.0	0.0	12.2	12.5	12.6	12.7	12.9	13.0	HRS
MLAT	-3.23	16.70	0.00	0.00	0.00	*****	*****	*****	*****	*****	2.76	DEGS
INVLAT	58.8	55.6	0.0	0.0	0.0	76.9	71.6	68.0	65.2	62.6	60.0	DEGS

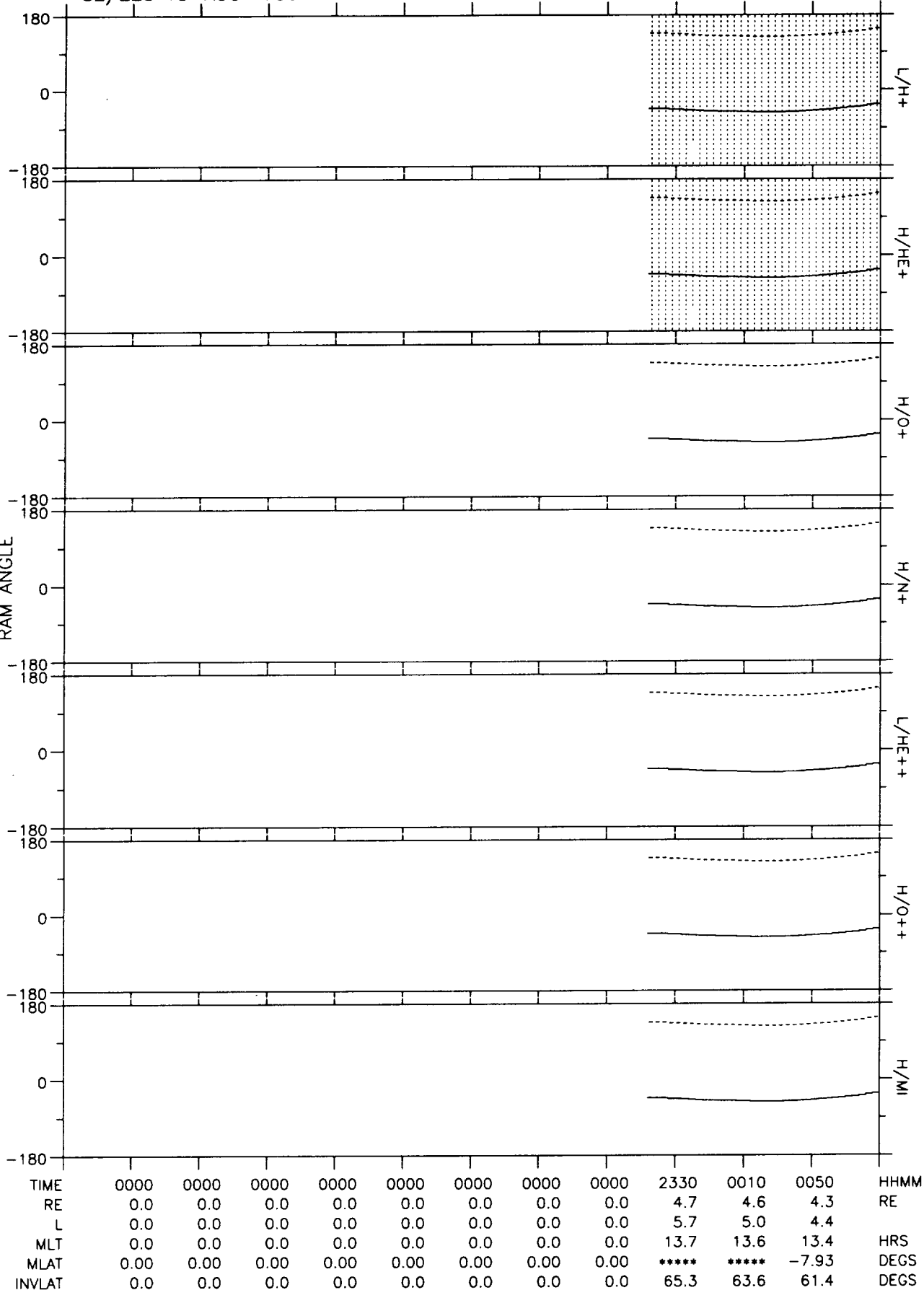
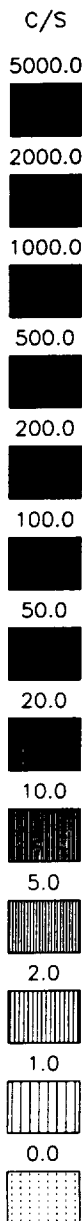
DE RIMS SPIN SUMMARY
SPINRADIAL (V1.0)
Mon Oct 25 16:23:23 1993

82/225 13-AUG 1030:00 - 1830:00 HEAD= RL RPA= 0 to 1000 BIAS= A



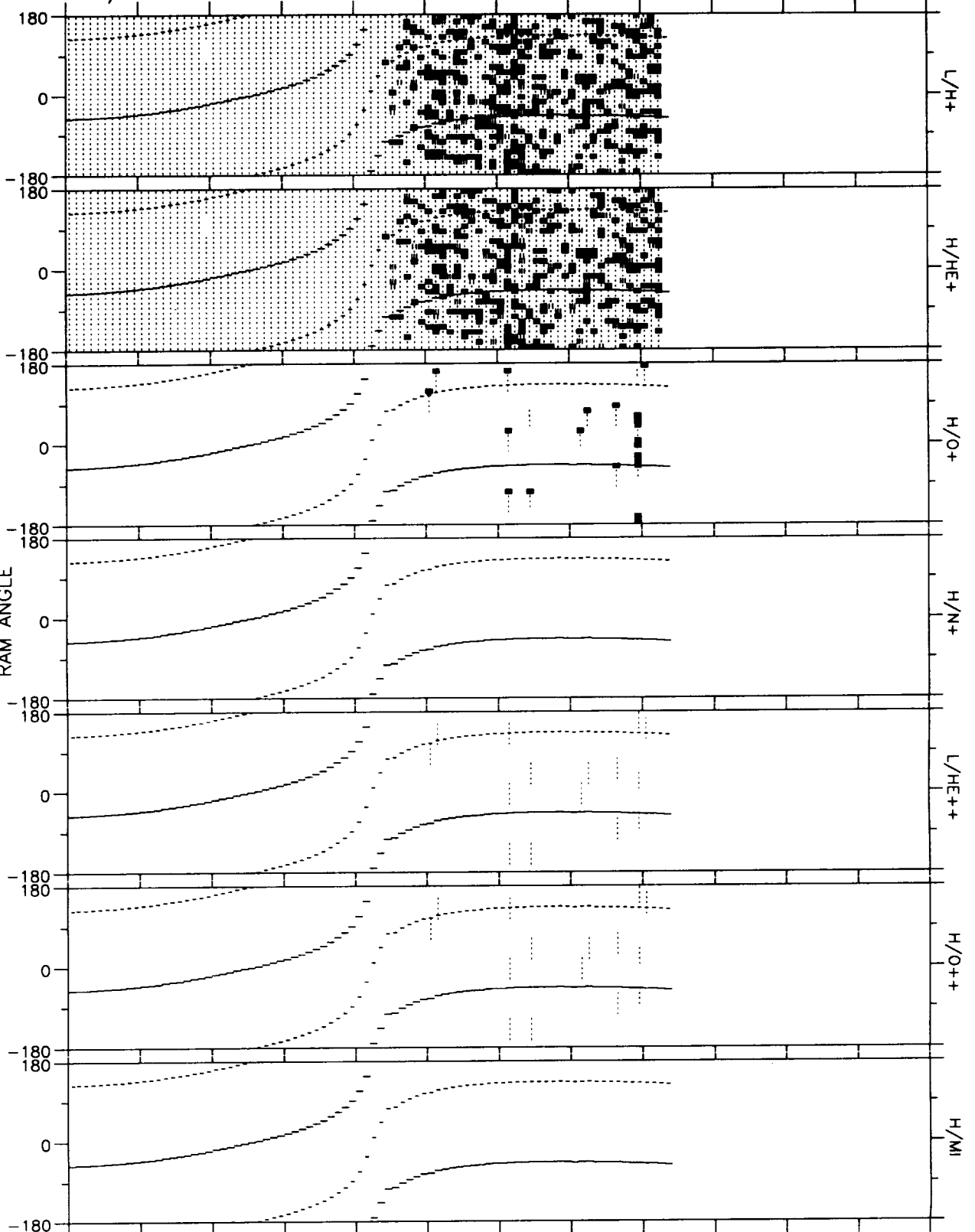
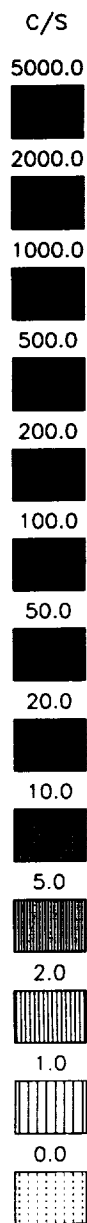
DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Mon Oct 25 17:07:44 1993

82/225 13-AUG 1730:00 - 0130:00 HEAD= RL RPA= 0 to 1000 BIAS= A



DE RIMS SPIN SUMMARY
SPINRADIAL ALL (V1.0)
Mon Oct 25 17:08:32 1993

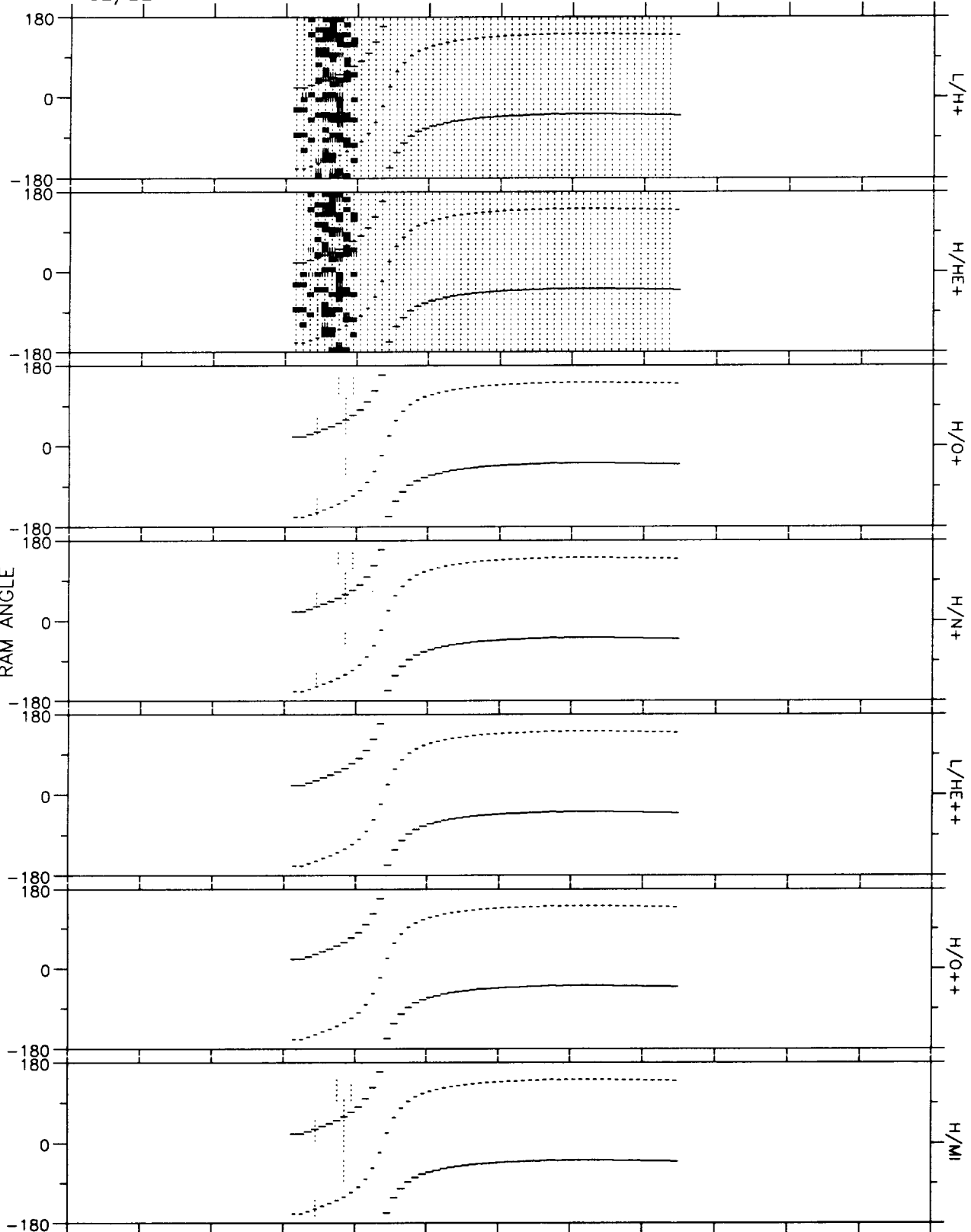
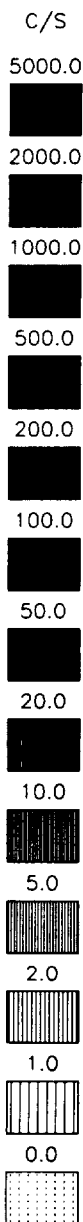
82/226 14-AUG 0030:00 - 0830:00 HEAD= RL RPA= . 0 to 1000 BIAS= A



TIME	0110	0150	0230	0310	0350	0430	0510	0550	0000	0000	0000	HHMM
RE	4.1	3.3	2.2	1.1	2.2	3.3	4.1	4.5	0.0	0.0	0.0	RE
L	4.0	3.4	3.8	1.2	30.2	49.6	15.1	9.4	0.0	0.0	0.0	
MLT	13.3	13.1	12.7	1.4	23.7	14.0	13.3	13.1	0.0	0.0	0.0	HRS
MLAT	-2.57	11.89	40.20	28.71	*****	*****	*****	*****	0.00	0.00	0.00	DEGS
INVLAT	60.1	57.1	59.0	26.1	79.5	81.8	75.1	71.0	0.0	0.0	0.0	DEGS

DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V1.0)
Mon Oct 25 17:10:30 1993

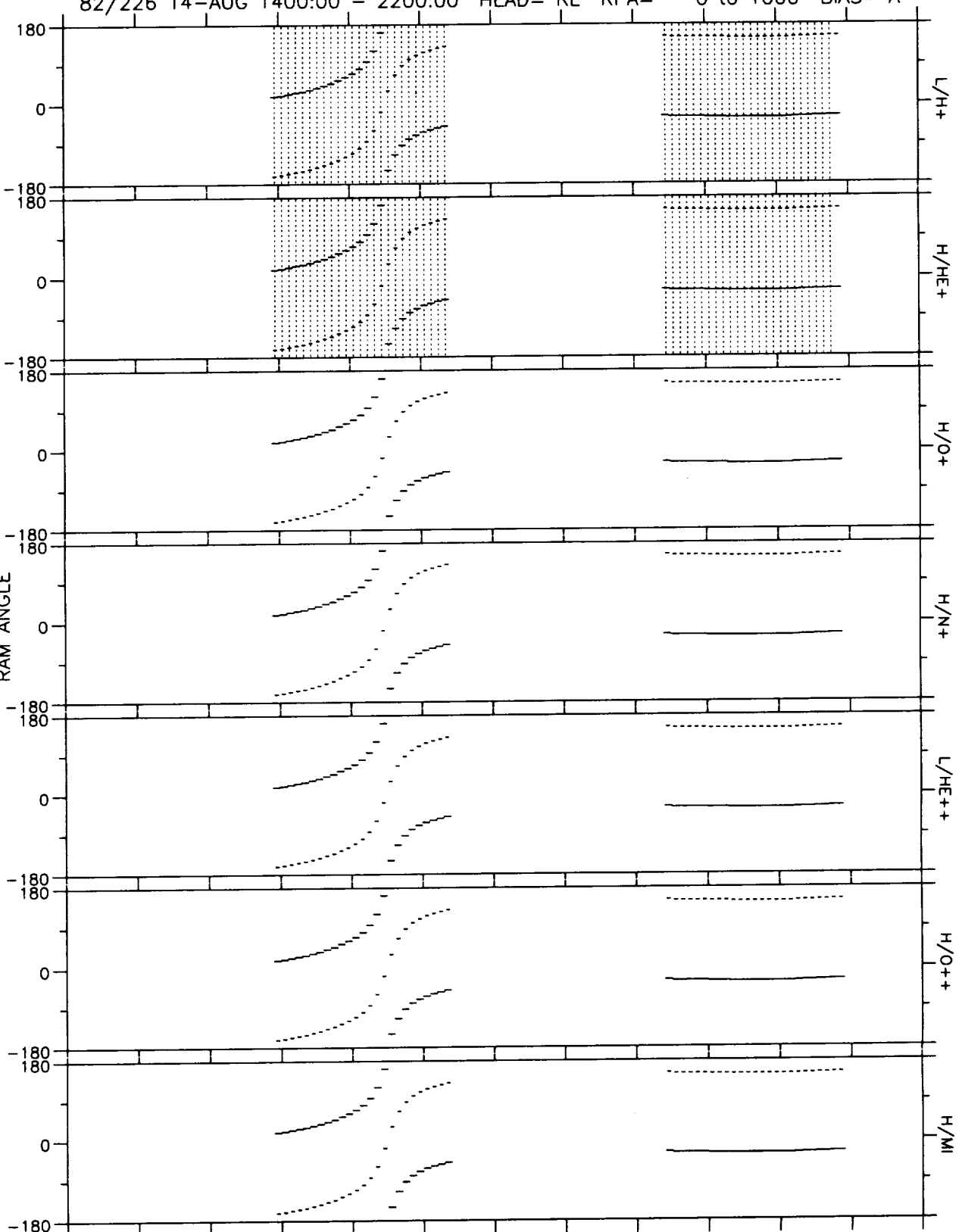
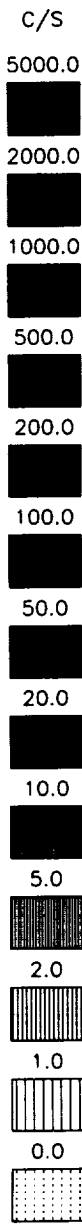
82/226 14-AUG 0715:00 - 1515:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0000	0000	0000	0955	1035	1115	1155	1235	0000	0000	0000	HHMM
RE	0.0	0.0	0.0	1.1	2.0	3.2	4.0	4.5	0.0	0.0	0.0	RE
L	0.0	0.0	0.0	2.8	20.9	18.8	9.2	6.7	0.0	0.0	0.0	
MLT	0.0	0.0	0.0	2.2	3.5	11.2	12.1	12.4	0.0	0.0	0.0	HRS
MLAT	0.00	0.00	0.00	51.65	*****	*****	*****	*****	0.00	0.00	0.00	DEGS
INVLAT	0.0	0.0	0.0	53.4	77.3	76.7	70.7	67.3	0.0	0.0	0.0	DEGS

DE RIUS SPIN SUMMARY
SPIN RADIAL L (V1.0)
Mon Oct 25 17:11:45 1993

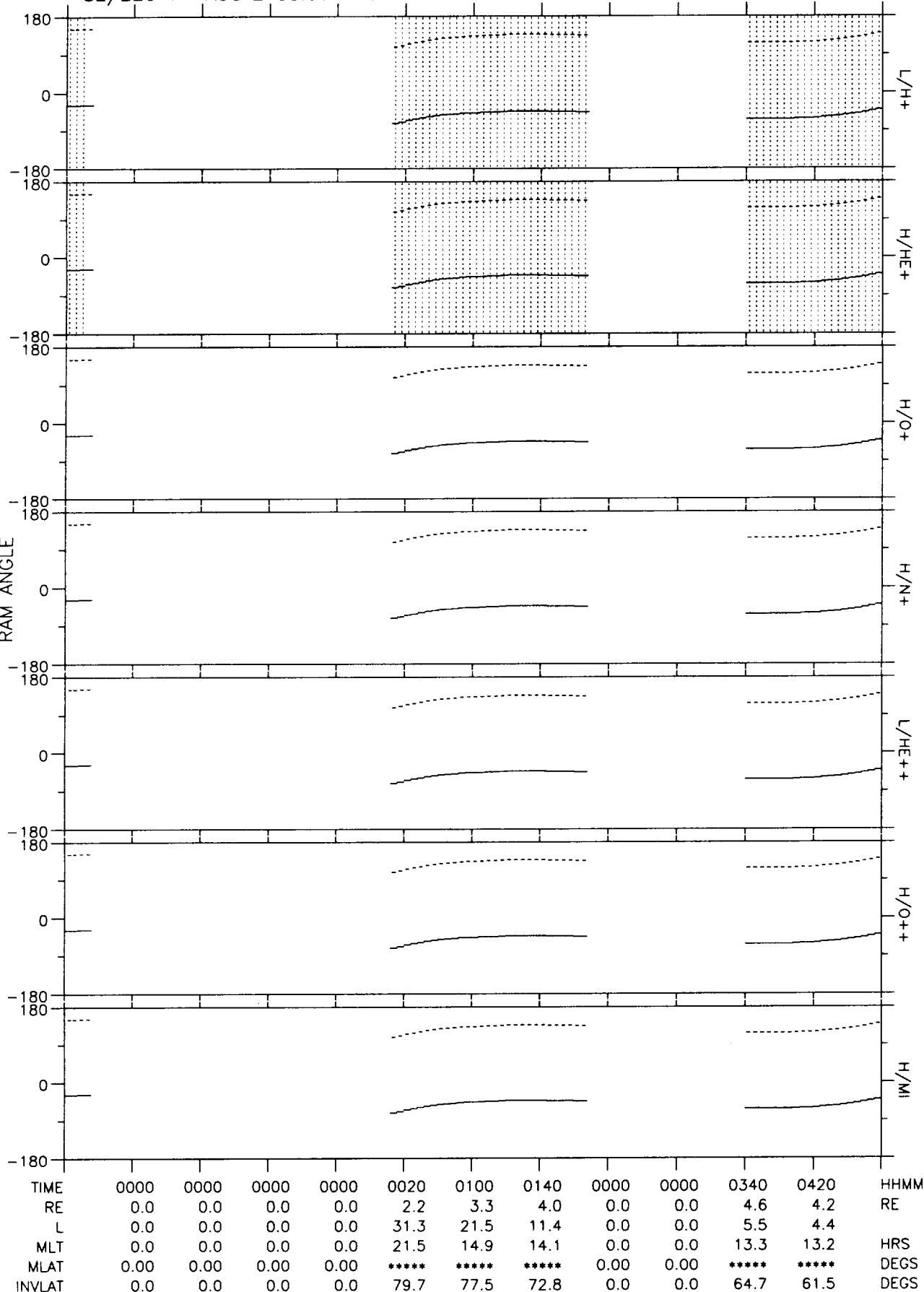
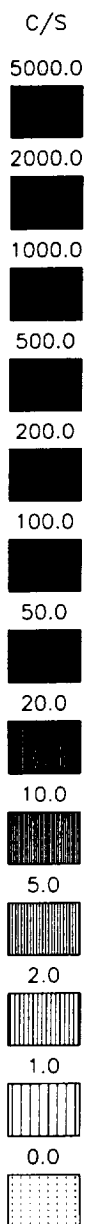
82/226 14-AUG 1400:00 - 2200:00 HEAD= RL RPA= 0 to 1000 BIAS= A



TIME	0000	0000	1600	1640	1720	0000	0000	0000	2000	2040	0000	HHMM
RE	0.0	0.0	2.6	1.2	1.8	0.0	0.0	0.0	4.6	4.6	0.0	RE
L	0.0	0.0	5.1	6.2	100.0	0.0	0.0	0.0	5.1	4.7	0.0	
MLT	0.0	0.0	13.4	0.8	1.8	0.0	0.0	0.0	13.5	13.5	0.0	HRS
MLAT	0.00	0.00	46.49	59.79	*****	0.00	0.00	0.00	*****	-8.69	0.00	DEGS
INVLAT	0.0	0.0	63.7	66.3	86.1	0.0	0.0	0.0	63.8	62.7	0.0	DEGS

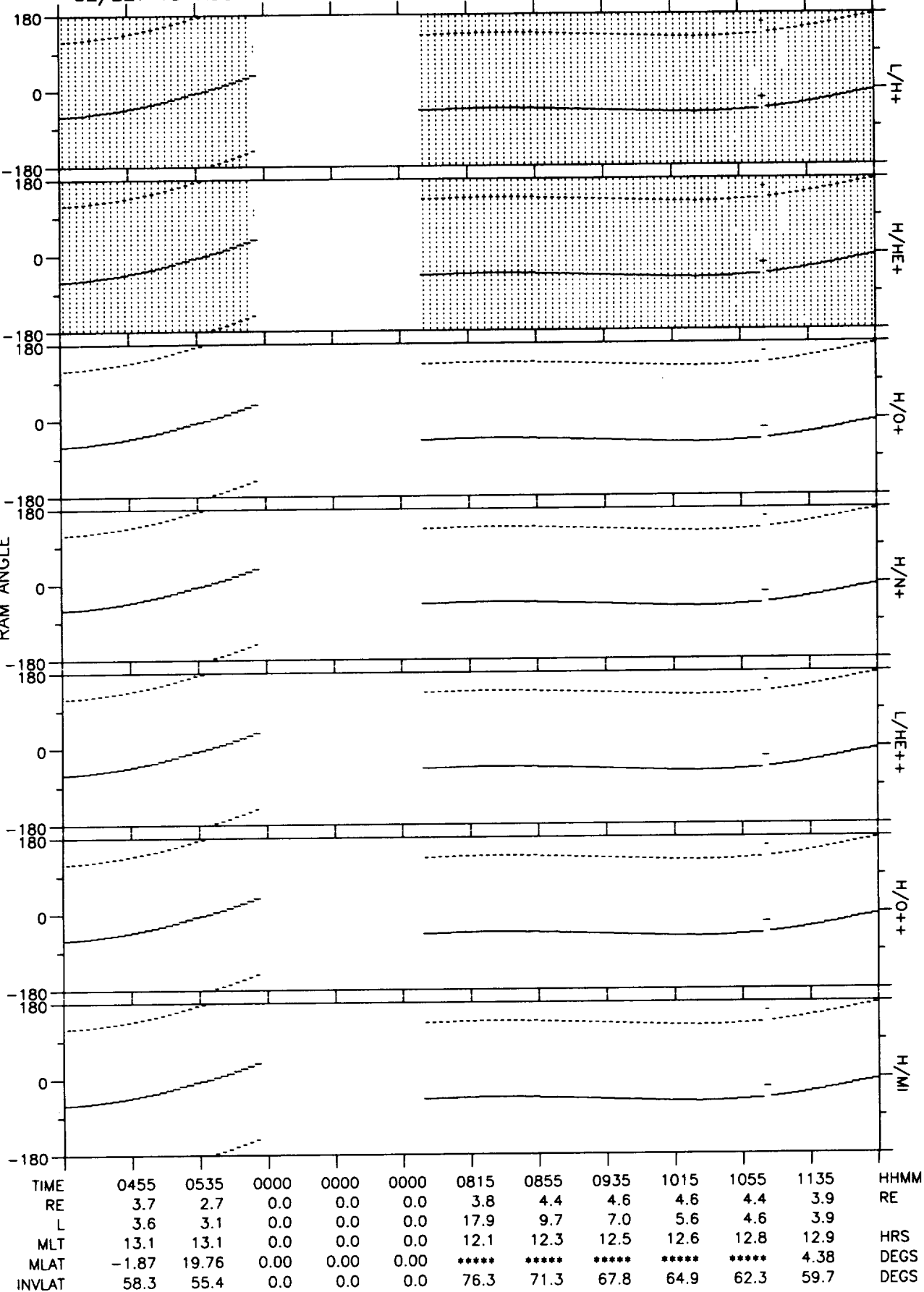
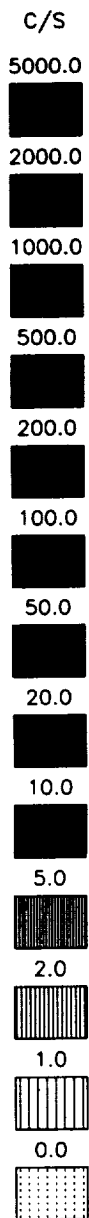
DE RIMS SPIN SUMMARY
SPIN RADIAL ALL (V.I.D.)
Mon Oct 25 17:12:57 1993

82/226 14-AUG 2100:00 - 0500:00 HEAD= RL RPA= 0 to 1000 BIAS= A



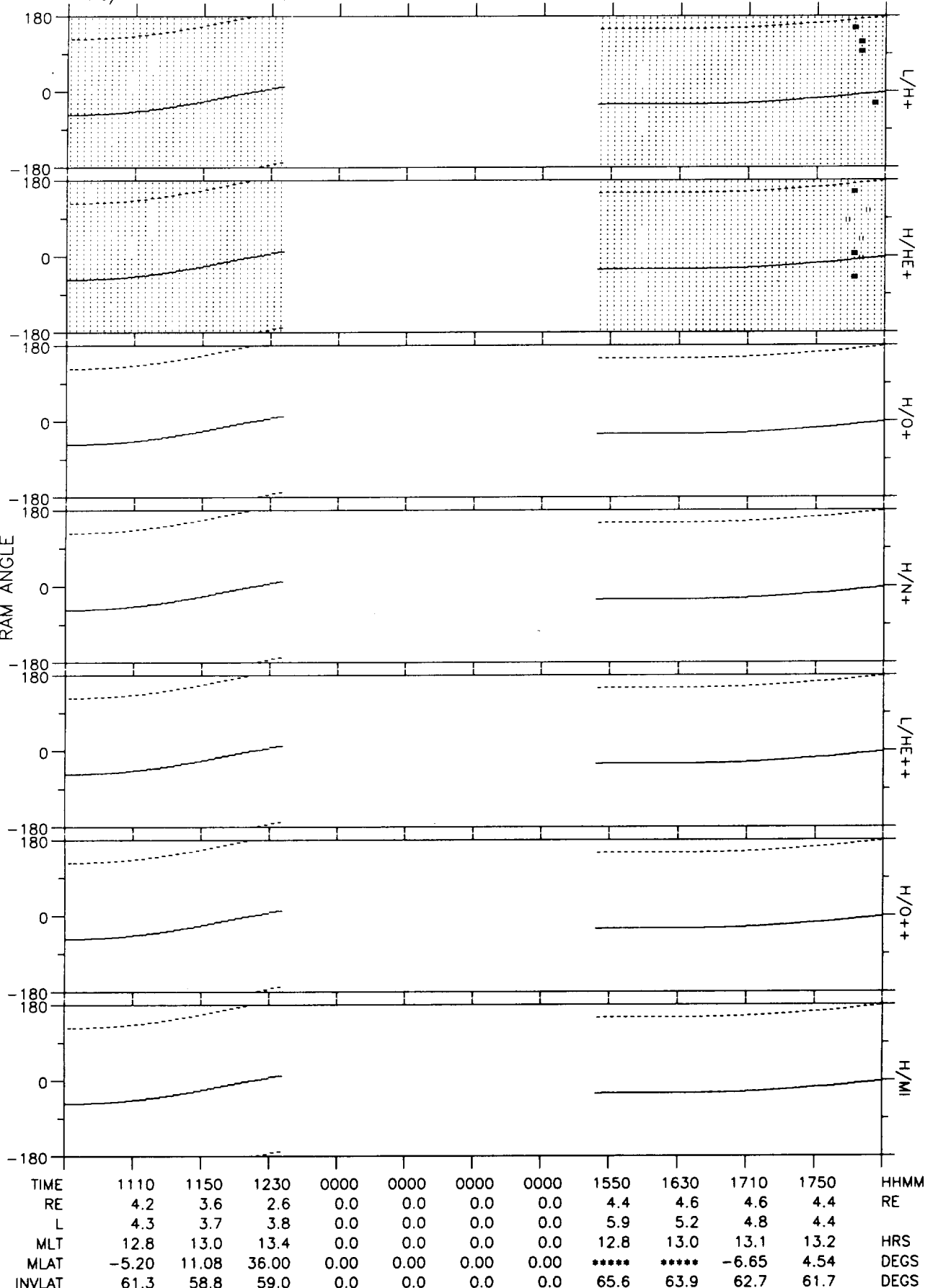
DE BUS SPIN SUMMARY
SPIN/NOV/JUL (V1.0)
Mon Oct 25 17:14:10 1993

82/227 15-AUG 0415:00 - 1215:00 HEAD= RL RPA= 0 to 1000 BIAS= A



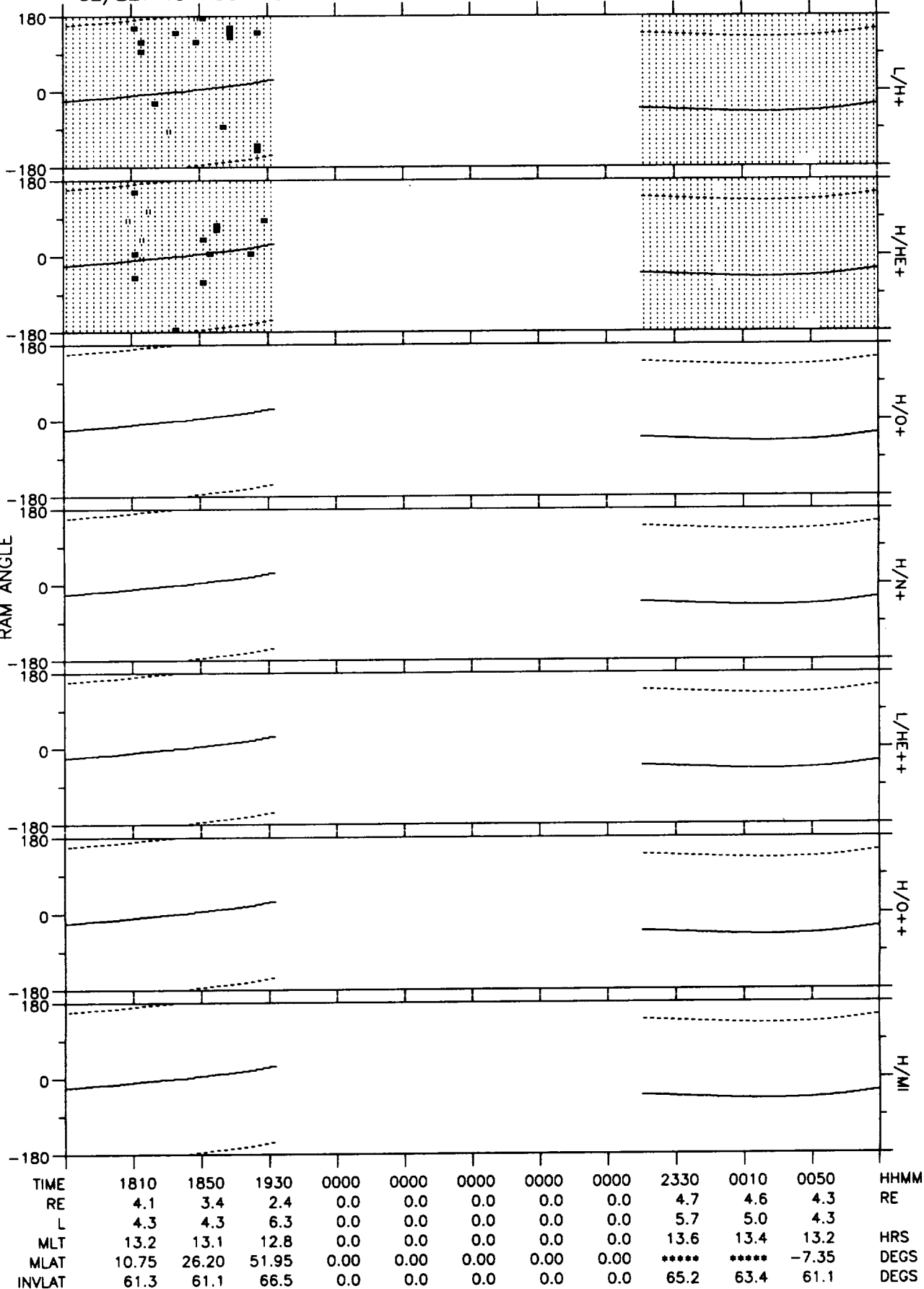
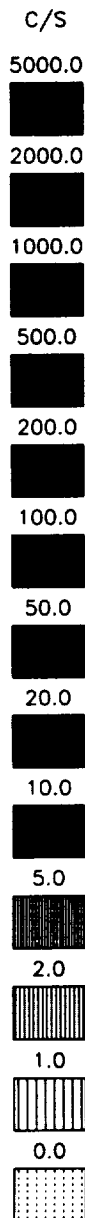
DE RIMS SPIN SUMMARY
SPIN RADIALALL (V1.0)
Mon Oct 25 17:15:33 1993

82/227 15-AUG 1030:00 - 1830:00 HEAD= RL RPA= 0 to 1000 BIAS= A



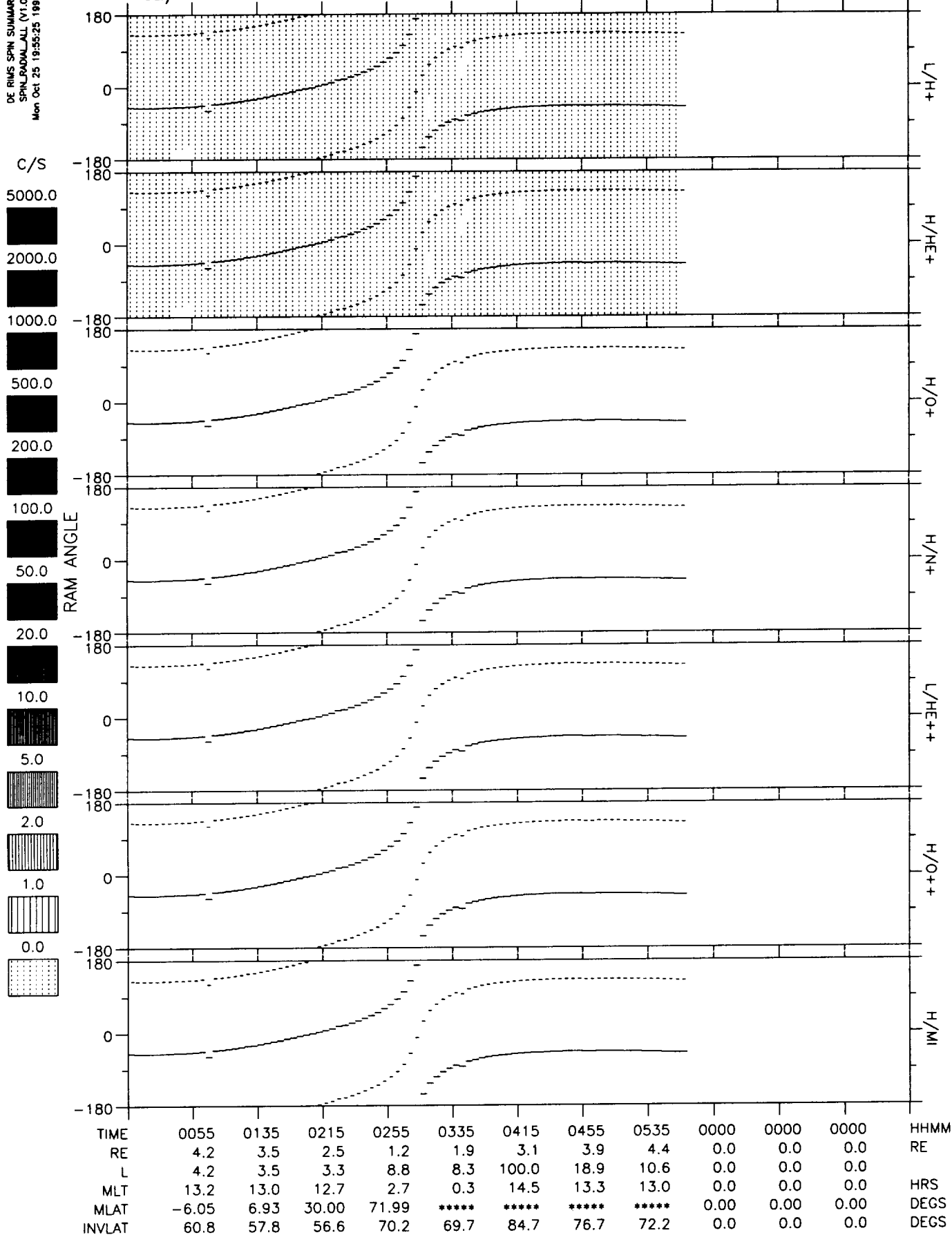
DE RUS SPIN SUMMARY
SPIN-BADJALL (V1.0)
Mon Oct 25 19:54:08 1993

82/227 15-AUG 1730:00 - 0130:00 HEAD= RL RPA= 0 to 1000 BIAS= A



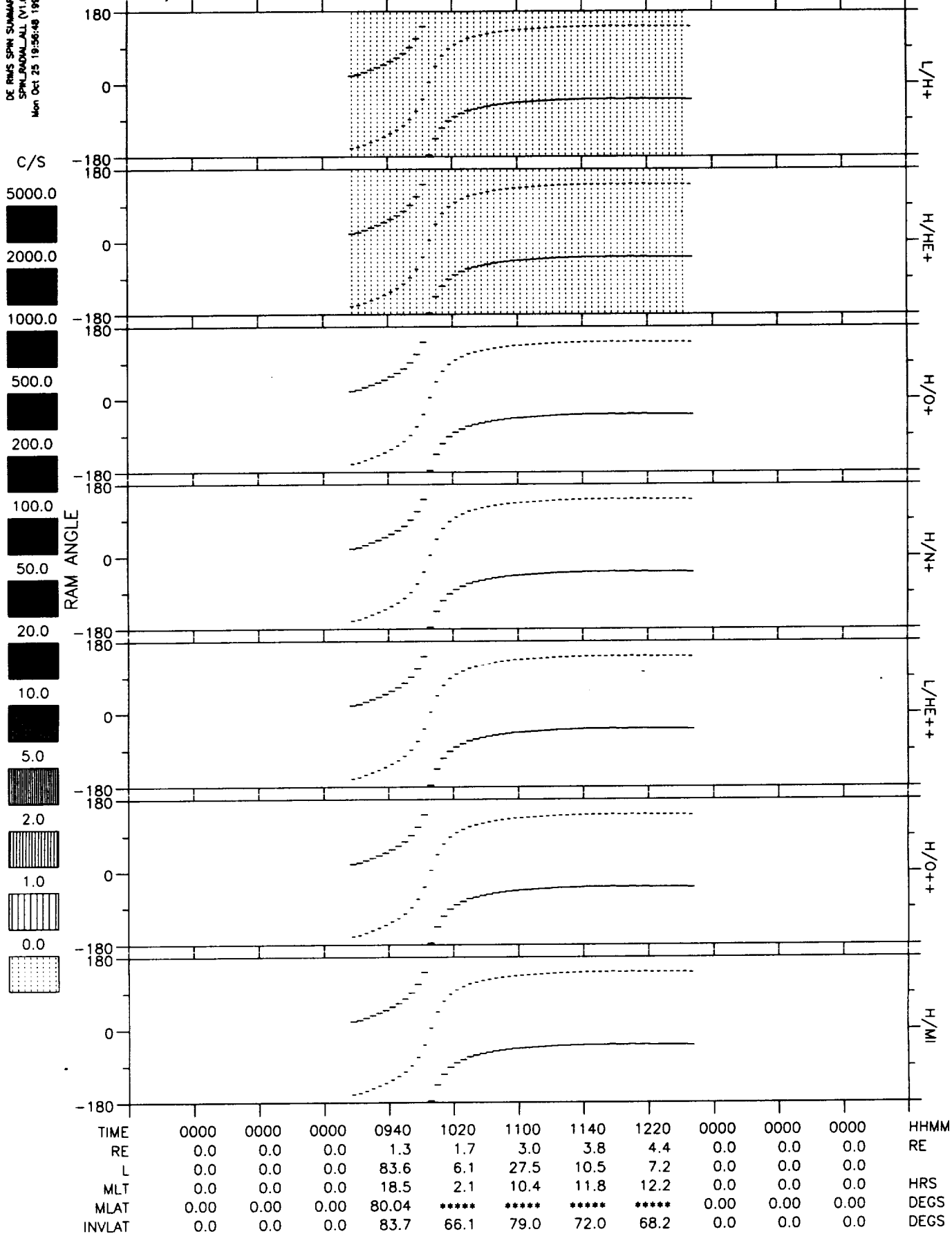
DE RIMS SPIN SUMMARY
SPIN/RADIAL (V1.0)
Mon Oct 25 19:55:25 1993

82/228 16-AUG 0015:00 - 0815:00 HEAD= RL RPA= 0 to 1000 BIAS= A



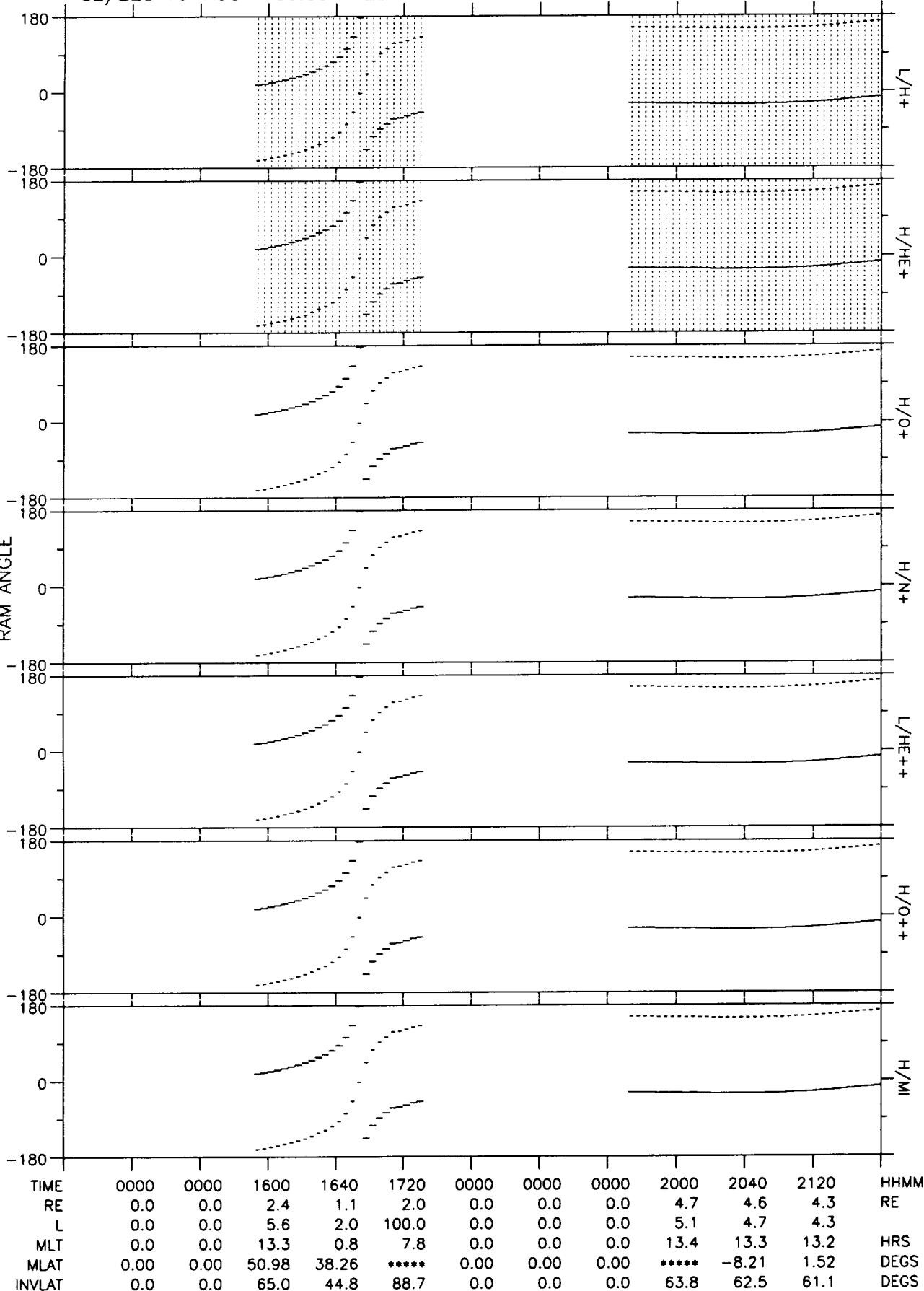
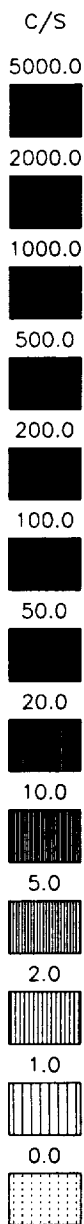
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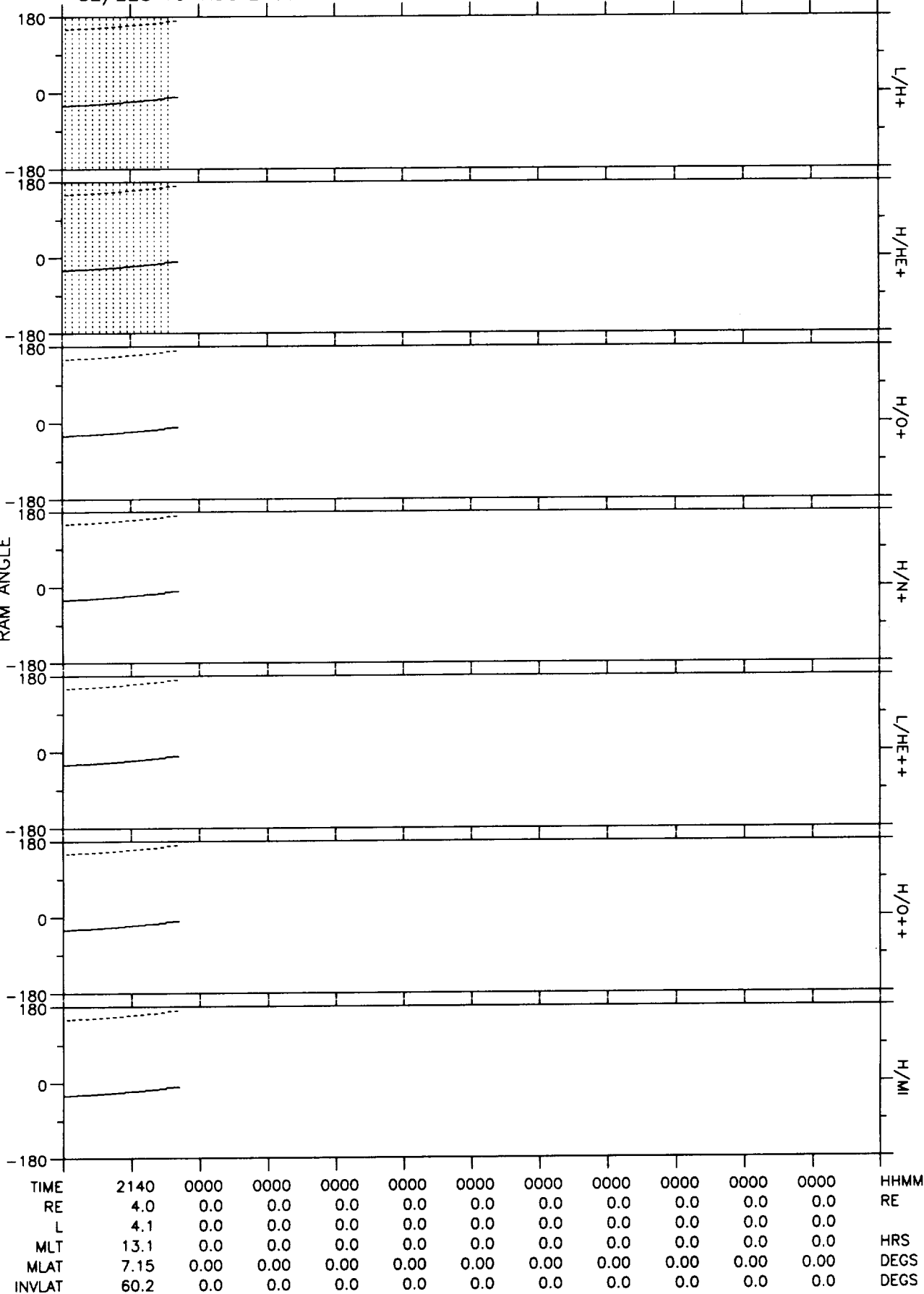
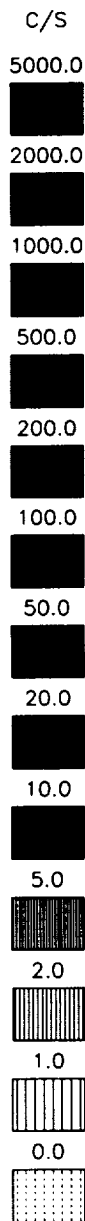
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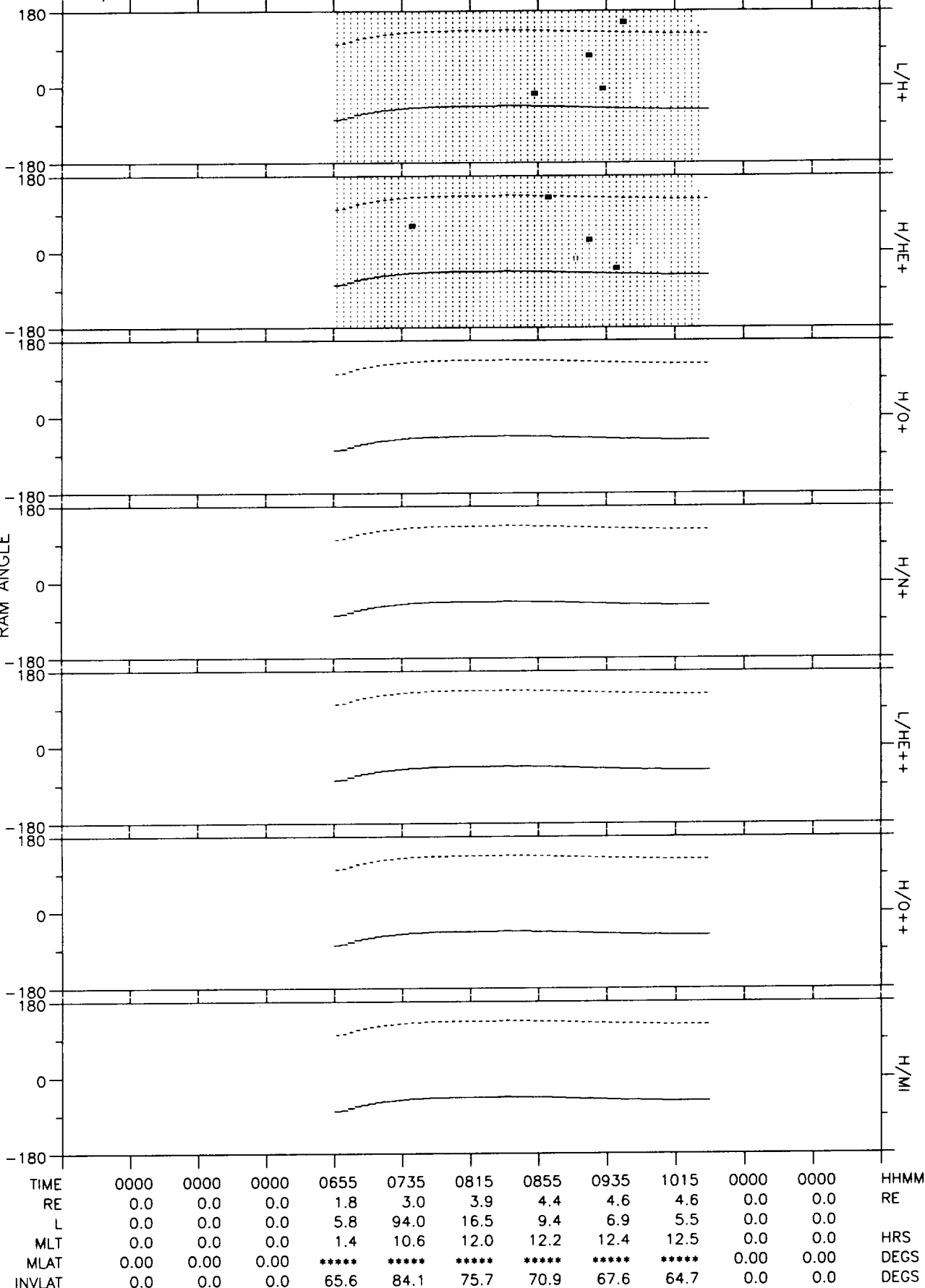
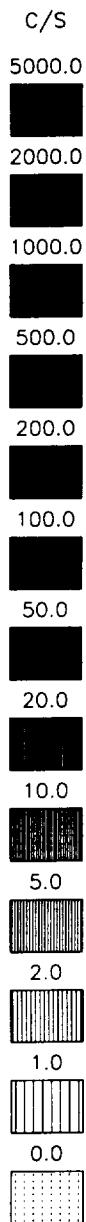
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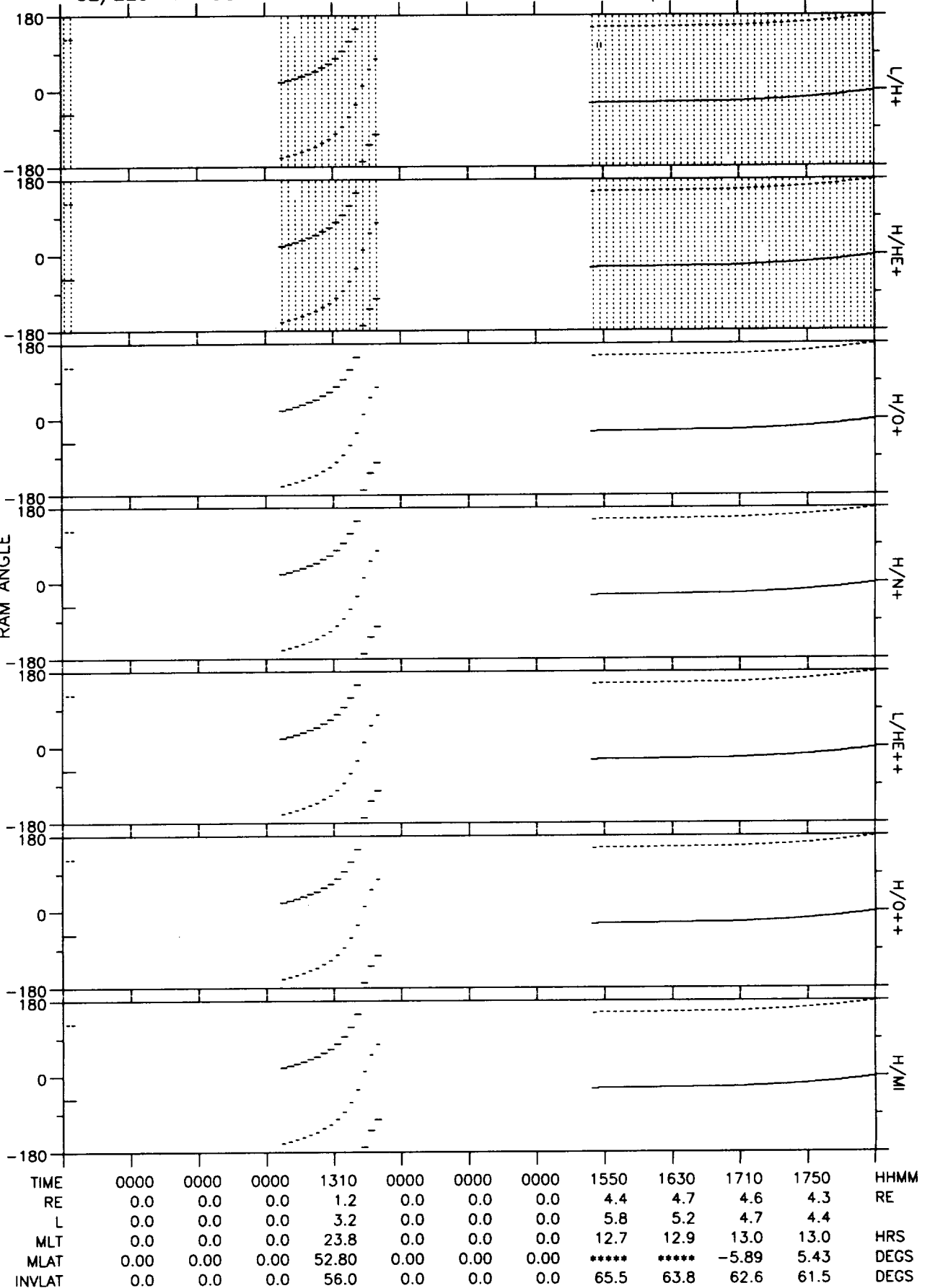
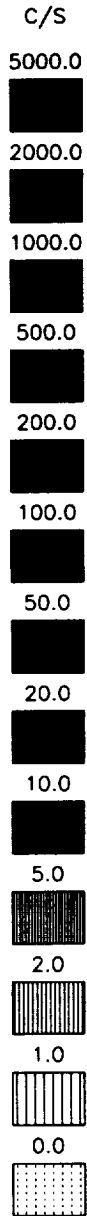
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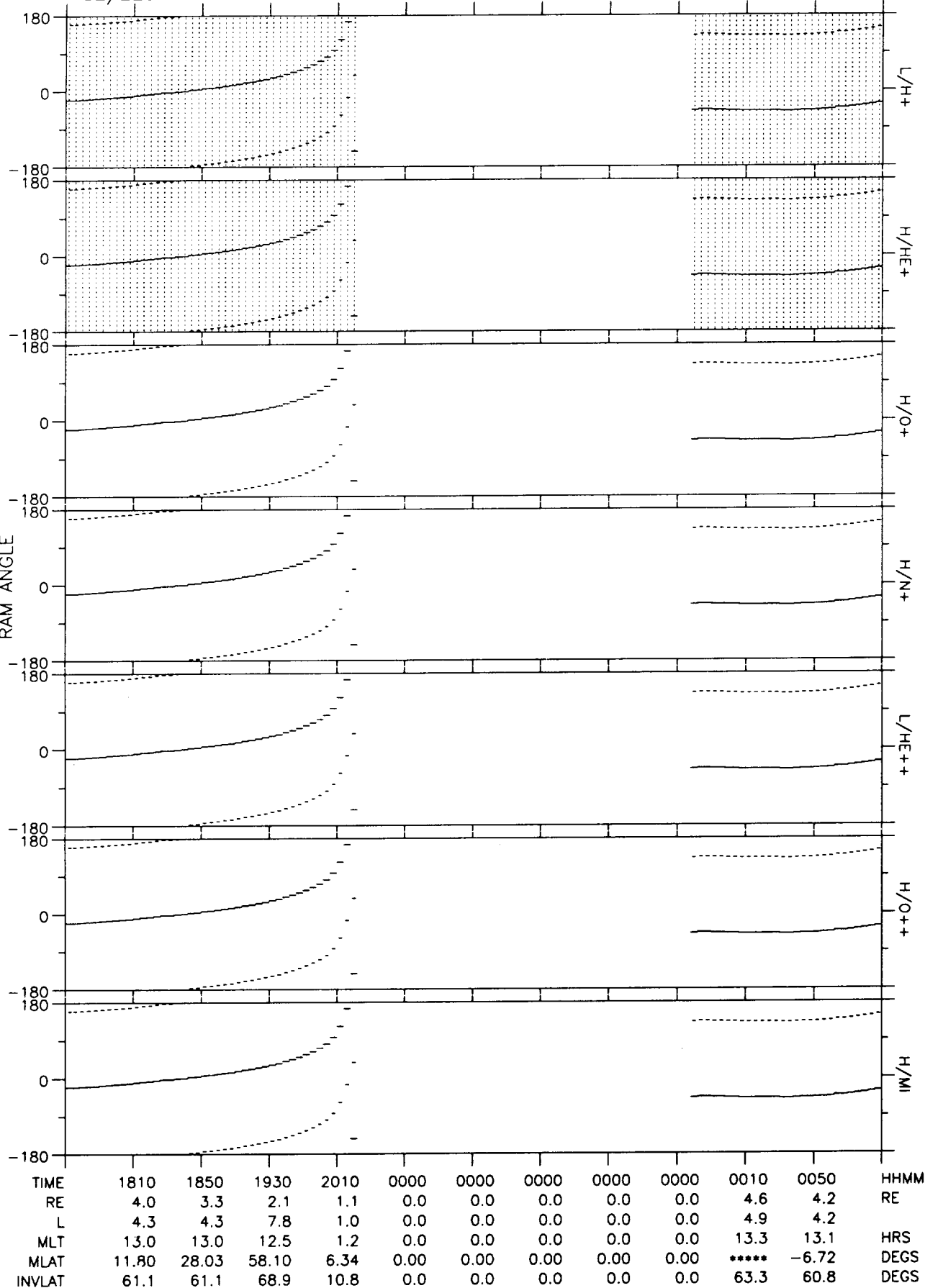
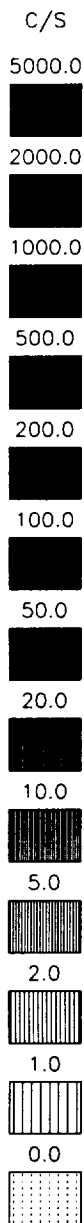
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DE RIMS SPIN SUMMARY
SPIN/RADIAL ALL (V1.0)
Mon Oct 25 20:03:01 1993

82/229 17-AUG 1730:00 - 0130:00 HEAD= RL RPA= 0 to 1000 BIAS= A



REPORT DOCUMENTATION PAGE

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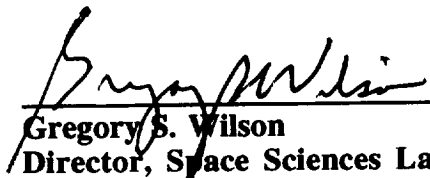
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13. ABSTRACT (Maximum 200 words) The Retarding Ion Mass Spectrometer (RIMS) experiment onboard the Dynamics Explorer 1 (DE 1) satellite was designed to perform energy and mass-per-charge analysis on low-energy ions (<50 eV) with mass/charge ratios ranging from 1 to 40 amu/Z. The DE 1 satellite, carrying the RIMS experiment, was launched into an elliptical polar orbit on August 3, 1981. The ~7.5 hour orbit has perigee of 675 km altitude and apogee of 24,875 km altitude. This document, and those that follow in this series, contains summary RIMS data spectrograms for each orbit for which RIMS data are available. The RIMS instrument began returning science data on day 280 of 1981 and continued to return usable data until the end of the DE mission in March 1991. It should be noted that studies of the RIMS data set should be conducted only with a thorough awareness of the material described in the introduction section presented here, or in collaboration with a scientist familiar with RIMS data analysis.				
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APPROVAL

DYNAMICS EXPLORER 1, RETARDING ION MASS SPECTROMETER SUMMARY SPECTROGRAMS—82/110 TO 82/229 SPIN-TIME SPECTROGRAMS FOR H^+ , HE^+ , O^+ , N^+ , O^{++} , $M/Z=2$, AND MOLECULAR IONS

DE 1/RIMS Investigators

This report has been reviewed for technical accuracy and contains no information concerning national security or nuclear energy activities or programs. The report, in its entirety, is unclassified.



Gregory S. Wilson
Director, Space Sciences Laboratory