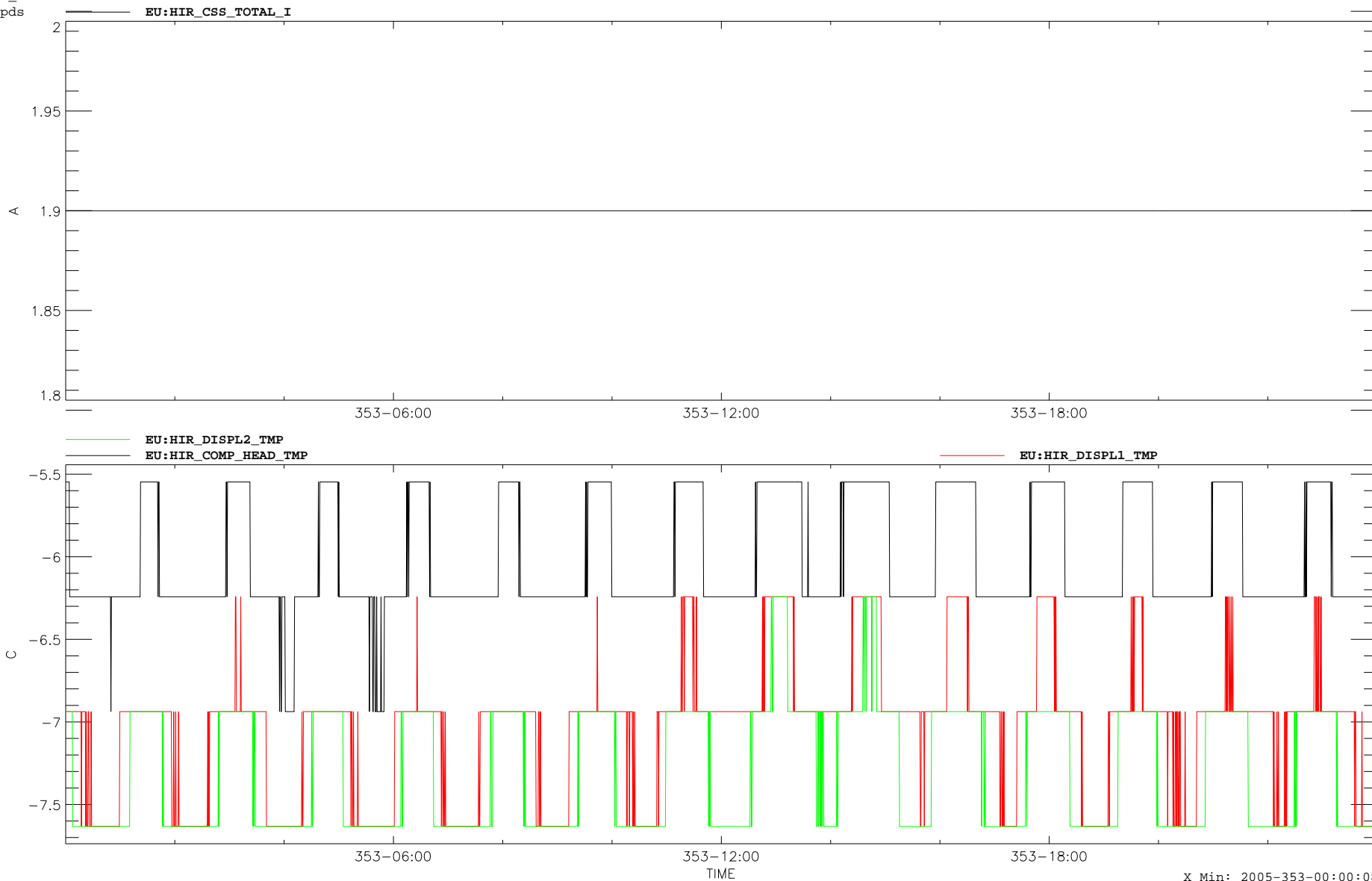


HIRDLS Noisy Bus Current and CMU Temperatures

Spacecraft: ch_1
Stream Name: epds



X Min: 2005-353-00:00:08
X Max: 2005-353-23:59:52

MNEMONIC NAME	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC.
EU:HIR_COMP_HEAD_TMP.....	2700	-6.9377	-5.5471	-6.0315	0.34293	Compressor head temp, EDA [C]
EU:HIR_CSS_TOTAL_I.....	5400	1.9000	1.9000	1.9000	0.0000	Cooler tot mean currt [A]
EU:HIR_DISPL1_TMP.....	2700	-7.6330	-6.2424	-7.0453	0.40045	Displacer 1 body temp, ED [C]
EU:HIR_DISPL2_TMP.....	2700	-7.6330	-6.2424	-7.2995	0.37566	Displacer 2 body temp, ED [C]

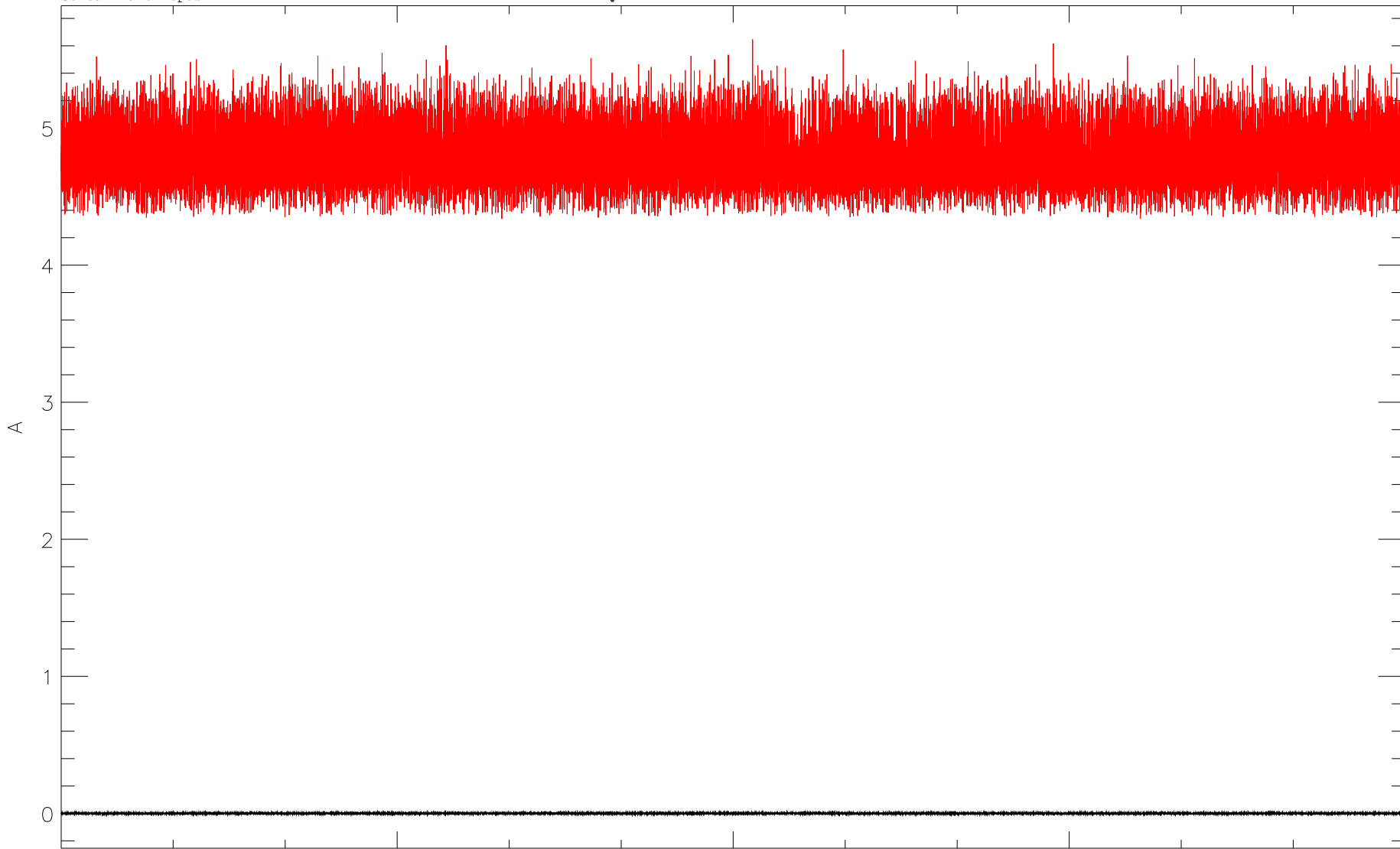
Current Time:	2005-354-09:24:20
Req Start Time:	2005-353-00:00:00
Req Stop Time:	2005-354-00:00:00
Sample Rate:	All Points
Profile Name:	hir_01_css_cu..
User Name:	aura_daily
Smooth Factor:	1

Current Time: 2005-354-09:24:34
 Req Start Time: 2005-353-00:00:00
 Req Stop Time: 2005-354-00:00:00

Sample Rate: All Points
 Profile Name: hir_03_quiet_..
 User Name: aura_daily
 Smooth Factor: 1

Spacecraft: ch_1
 Stream Name: epds

Quiet Bus Current



Y Min: -0.2908974
 Y Max: 5.929574

353-06:00

353-12:00

353-18:00

X Min: 2005-353-00:00:00
 X Max: 2005-353-23:59:56

TIME

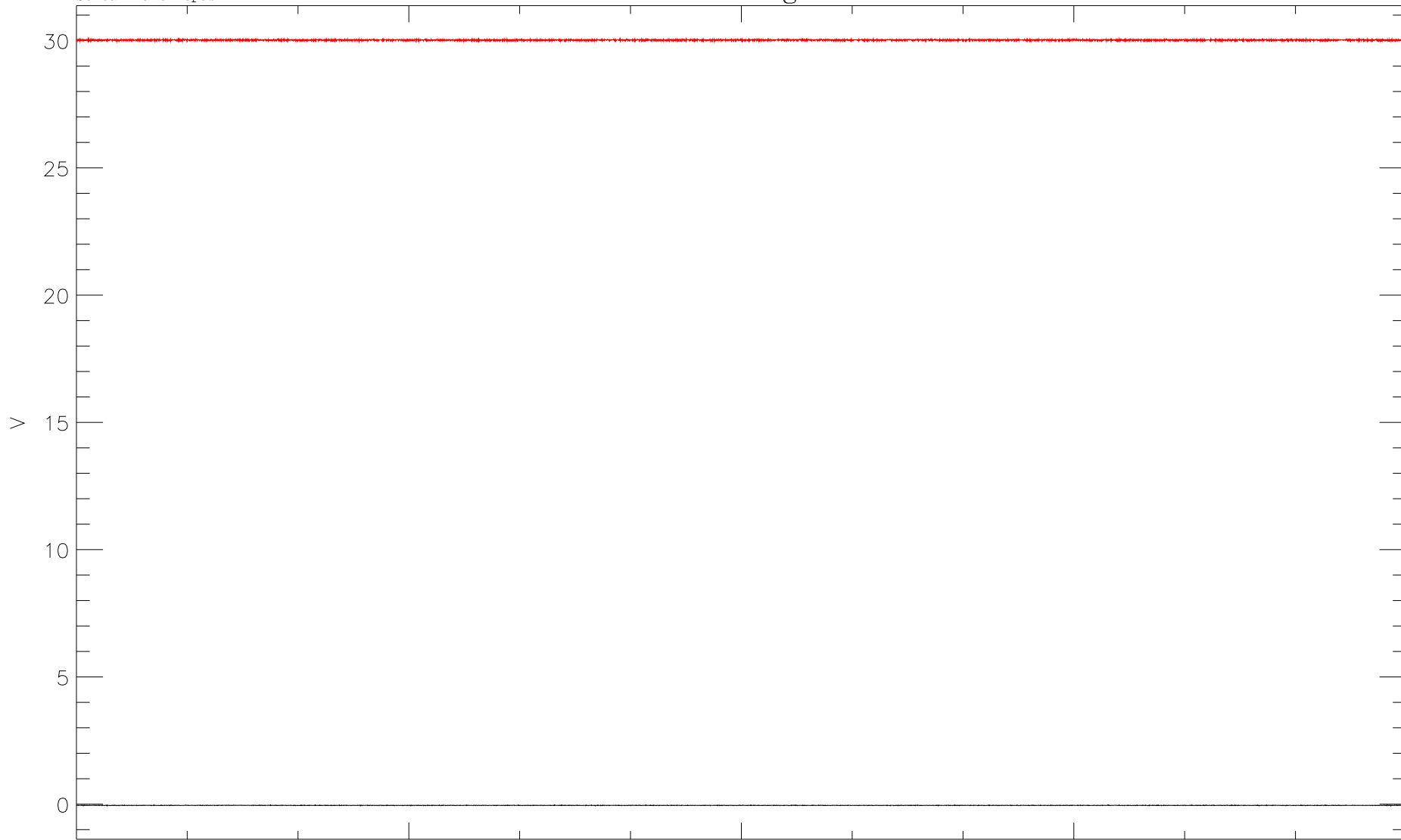
MNEMONIC NAME	E/R	Y-Offset	S/C	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC..
HIR_QA_I.....	EU			21600	-0.0081487	0.0071538	0.00049580	0.0014162	Quiet Bus A input currnt, [A].
HIR_QB_I.....	EU			21600	4.3379	5.6468	4.7800	0.21246	Quiet Bus B input currnt, [A]

Current Time: 2005-354-09:24:48
 Req Start Time: 2005-353-00:00:00
 Req Stop Time: 2005-354-00:00:00

Sample Rate: All Points
 Profile Name: hir_05_28_reg..
 User Name: aura_daily
 Smooth Factor: 1

Spacecraft: ch_1
 Stream Name: epds

28V Reg



Y Min: -1.575798
 Y Max: 31.56999

X Min: 2005-353-00:00:00
 X Max: 2005-353-23:59:48

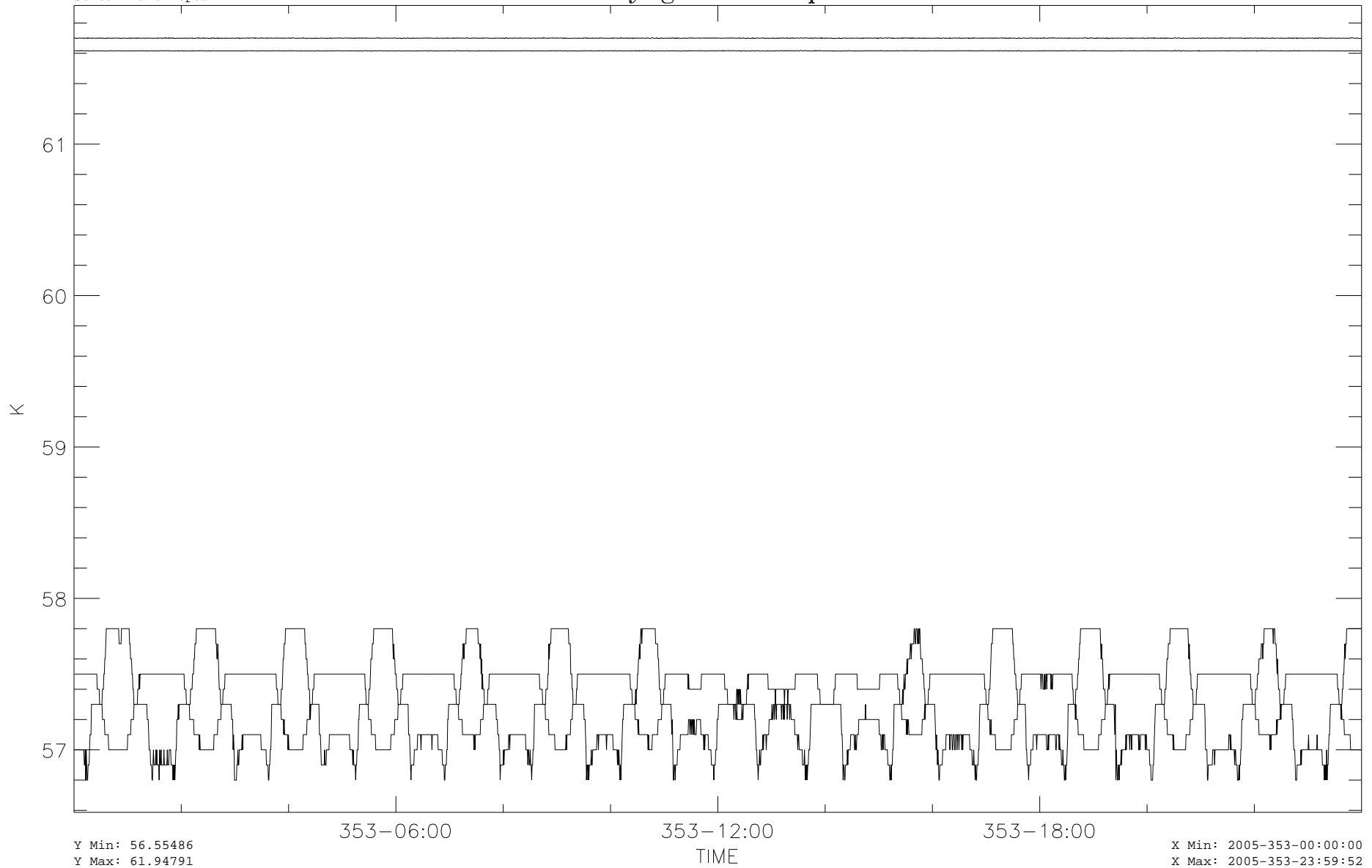
MNEMONIC NAME	E/R	Y-Offset	S/C	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC..
HIR_PSS_REG_28VA.....	EU			5400	-0.069171	-0.026177	-0.047609	0.0042720	REG +28V DDC A volts [V].
HIR_PSS_REG_28VB.....	EU			5400	29.964	30.063	30.023	0.019321	REG +28V DDC B volts [V]

Current Time: 2005-354-09:25:03
 Req Start Time: 2005-353-00:00:00
 Req Stop Time: 2005-354-00:00:00

Sample Rate: All Points
 Profile Name: hir_07_cryoge..
 User Name: aura_daily
 Smooth Factor: 1

Spacecraft: ch_1
 Stream Name: epds

Cryogenic Temps



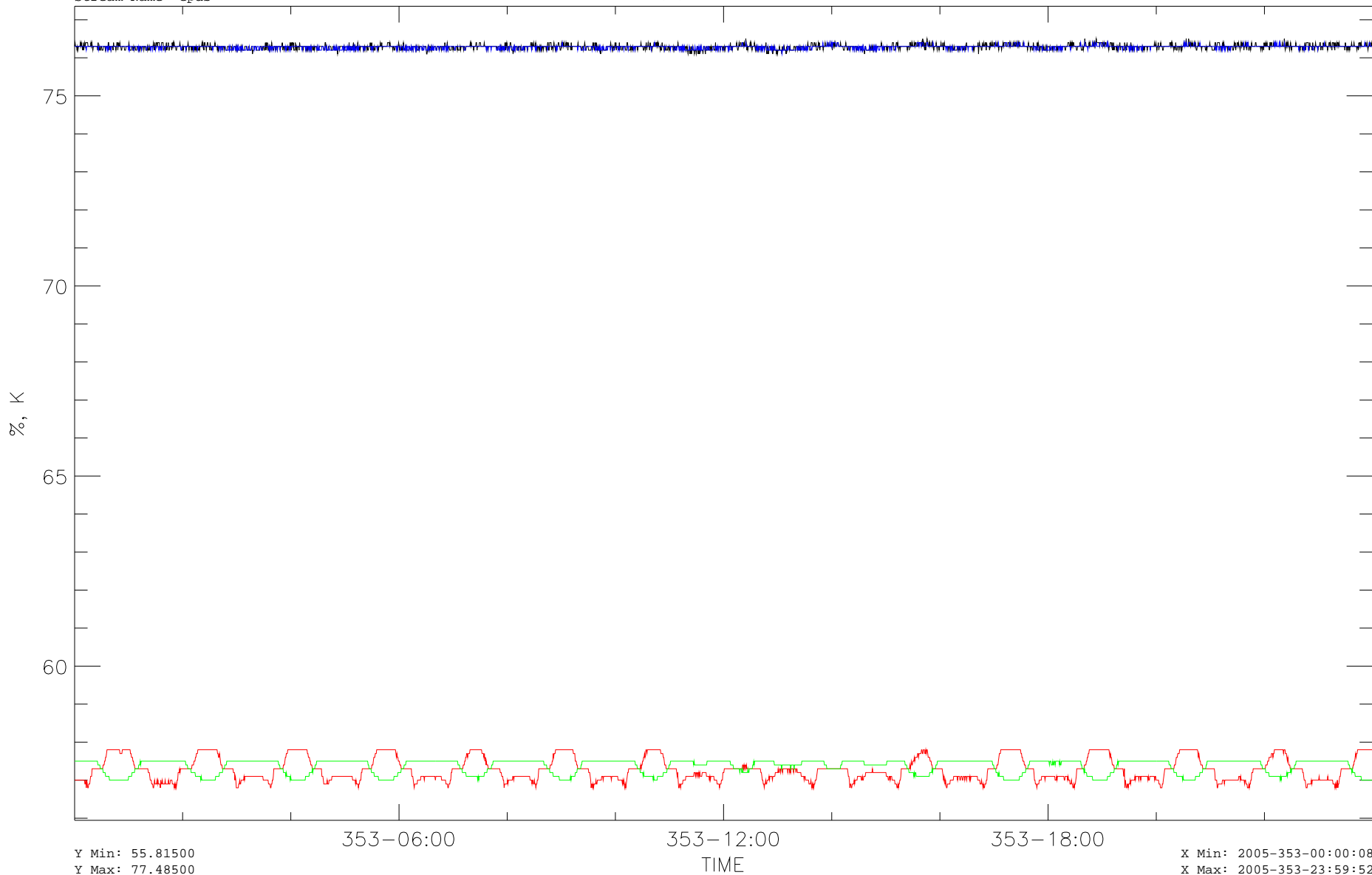
MNEMONIC NAME	E/R	Y-Offset	S/C	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC..
HIR_CRYOTIP_TMP_D0.....	EU			2700	56.800	57.800	57.283	0.29867	Cryo tip temperature 0 [K].
HIR_CRYOTIP_TMP_D1.....	EU			2700	57.000	57.500	57.359	0.18441	Cryo tip temperature 1 [K].
HIR_FPA_TMP_A.....	EU			2700	61.697	61.703	61.700	0.0010517	Focal Plane temperature A [K].
HIR_FPA_TMP_B.....	EU			2700	61.614	61.619	61.616	0.00079047	Focal Plane temperature B [K]

Current Time: 2005-354-09:25:18
 Req Start Time: 2005-353-00:00:00
 Req Stop Time: 2005-354-00:00:00

Sample Rate: All Points
 Profile Name: hir_09_css_pr..
 User Name: aura_daily
 Smooth Factor: 1

Spacecraft: ch_1
 Stream Name: epds

CSS Profile



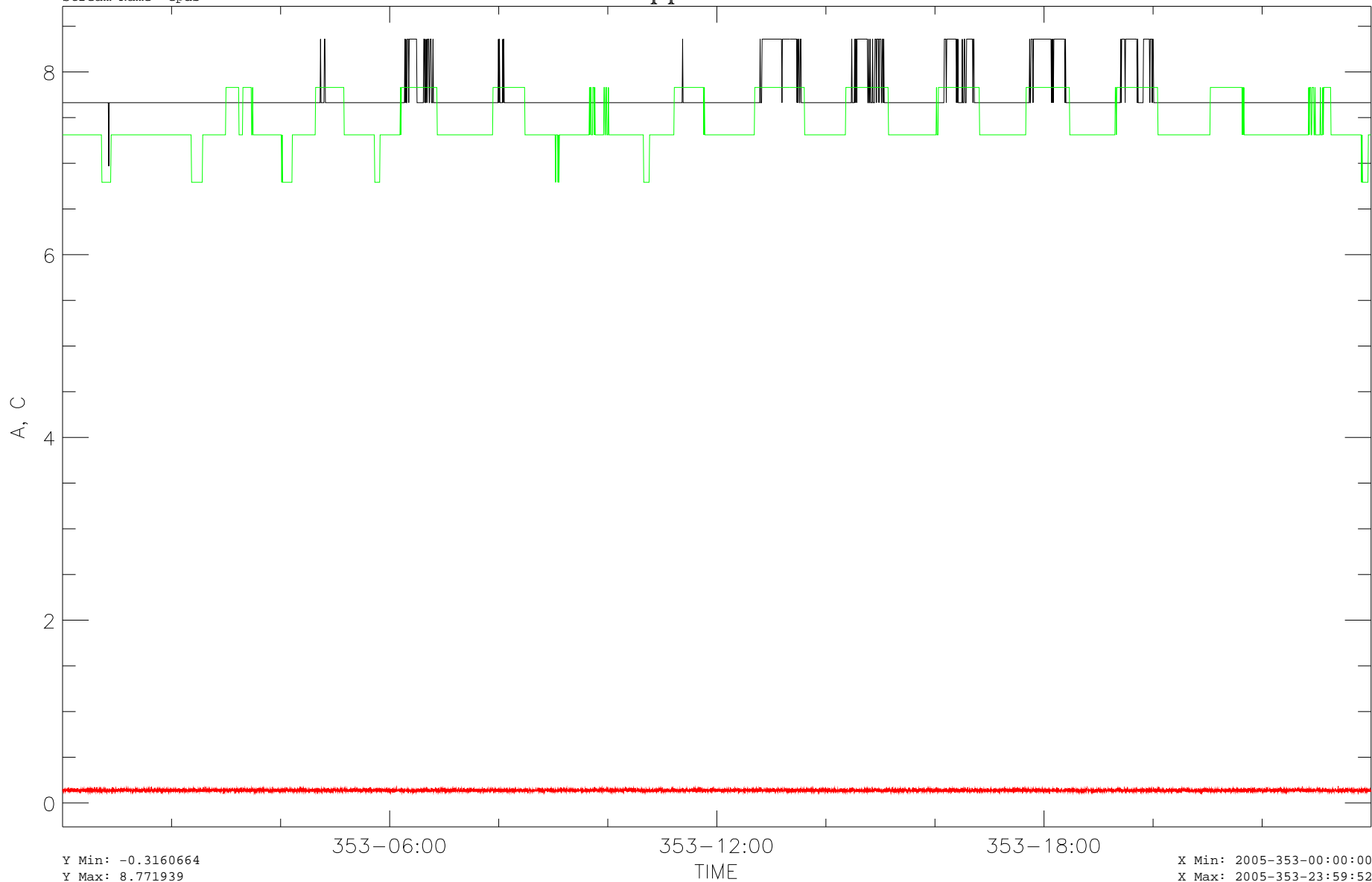
MNEMONIC NAME	E/R	Y-Offset	S/C	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC..
HIR_COMP_AMP_ACT.....	EU			2700	76.100	76.500	76.287	0.065699	Compressor ampl (actual) [%].
HIR_CRYOTIP_TMP_D0.....	EU			2700	56.800	57.800	57.283	0.29867	Cryo tip temperature 0 [K].
HIR_CRYOTIP_TMP_D1.....	EU			2700	57.000	57.500	57.359	0.18441	Cryo tip temperature 1 [K].
HIR_DISP_AMP_ACT.....	EU			2700	76.100	76.400	76.283	0.045538	Displacer ampl (actual) [%]

Current Time: 2005-354-09:25:31
 Req Start Time: 2005-353-00:00:00
 Req Stop Time: 2005-354-00:00:00

Sample Rate: All Points
 Profile Name: hir_ll_choppe..
 User Name: aura_daily
 Smooth Factor: 1

Spacecraft: ch_1
 Stream Name: epds

Chopper Current



Y Min: -0.3160664
 Y Max: 8.771939

X Min: 2005-353-00:00:00
 X Max: 2005-353-23:59:52

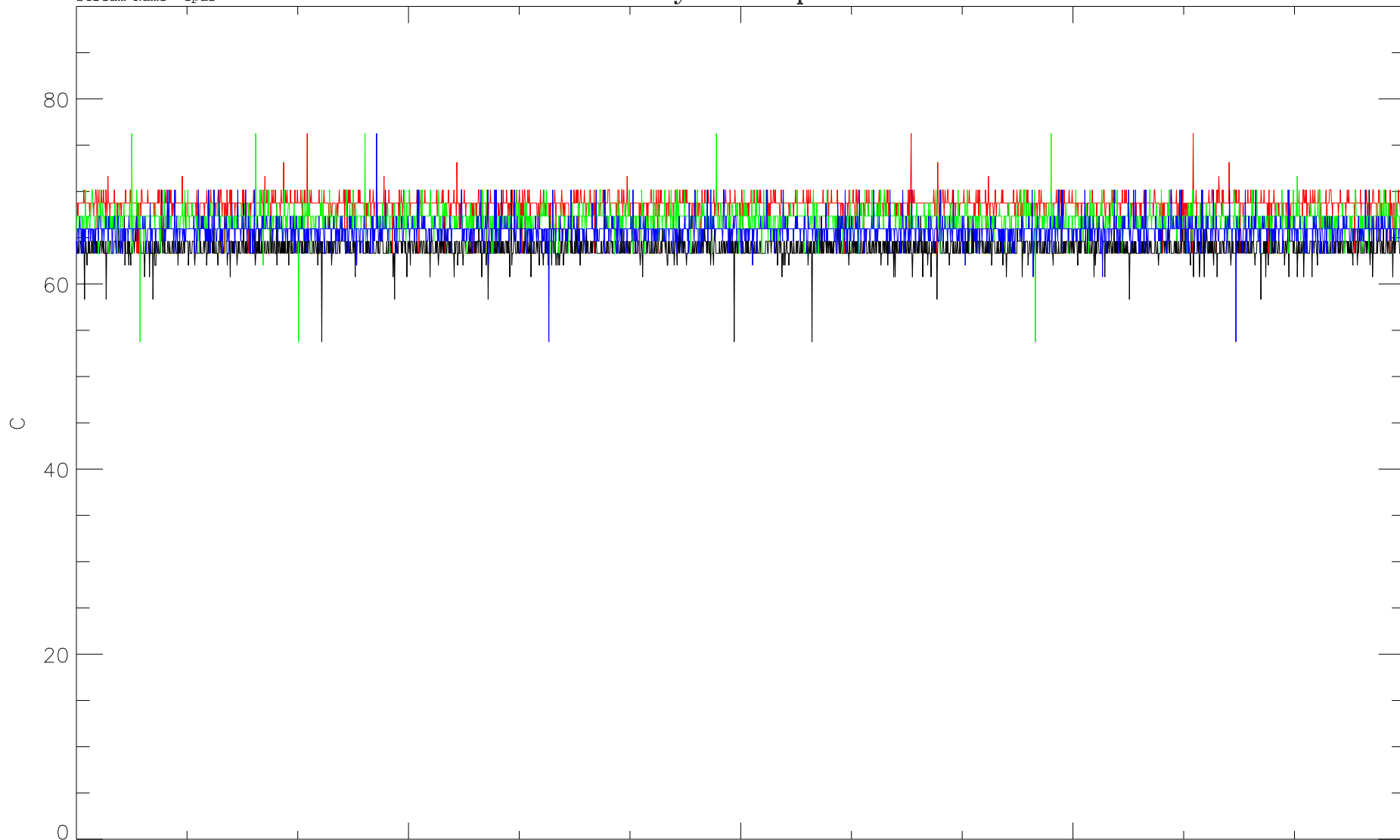
MNEMONIC NAME	E/R	Y-Offset	S/C	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC..
HIR_CHOP_MOT_TMP.....	EU			2700	6.9683	8.3588	7.7467	0.22648	Chopper motor temp, EDAQ [C].
HIR_TSW_CHOP_MTR_I.....	EU			10800	0.097025	0.18492	0.13798	0.0091315	TSS Chopper motor current [A].
HIR_CHOP_HSG_TMP3.....	EU			2700	6.7922	7.8303	7.4585	0.27413	Chopper blade shroud temp [C]

Current Time: 2005-354-09:25:46
 Req Start Time: 2005-353-00:00:00
 Req Stop Time: 2005-354-00:00:00

Sample Rate: All Points
 Profile Name: hir_13_gyro_t..
 User Name: aura_daily
 Smooth Factor: 1

Spacecraft: ch_1
 Stream Name: epds

Gyro Temps



Y Min: 0.000000
 Y Max: 90.000000

X Min: 2005-353-00:00:04
 X Max: 2005-353-23:59:52

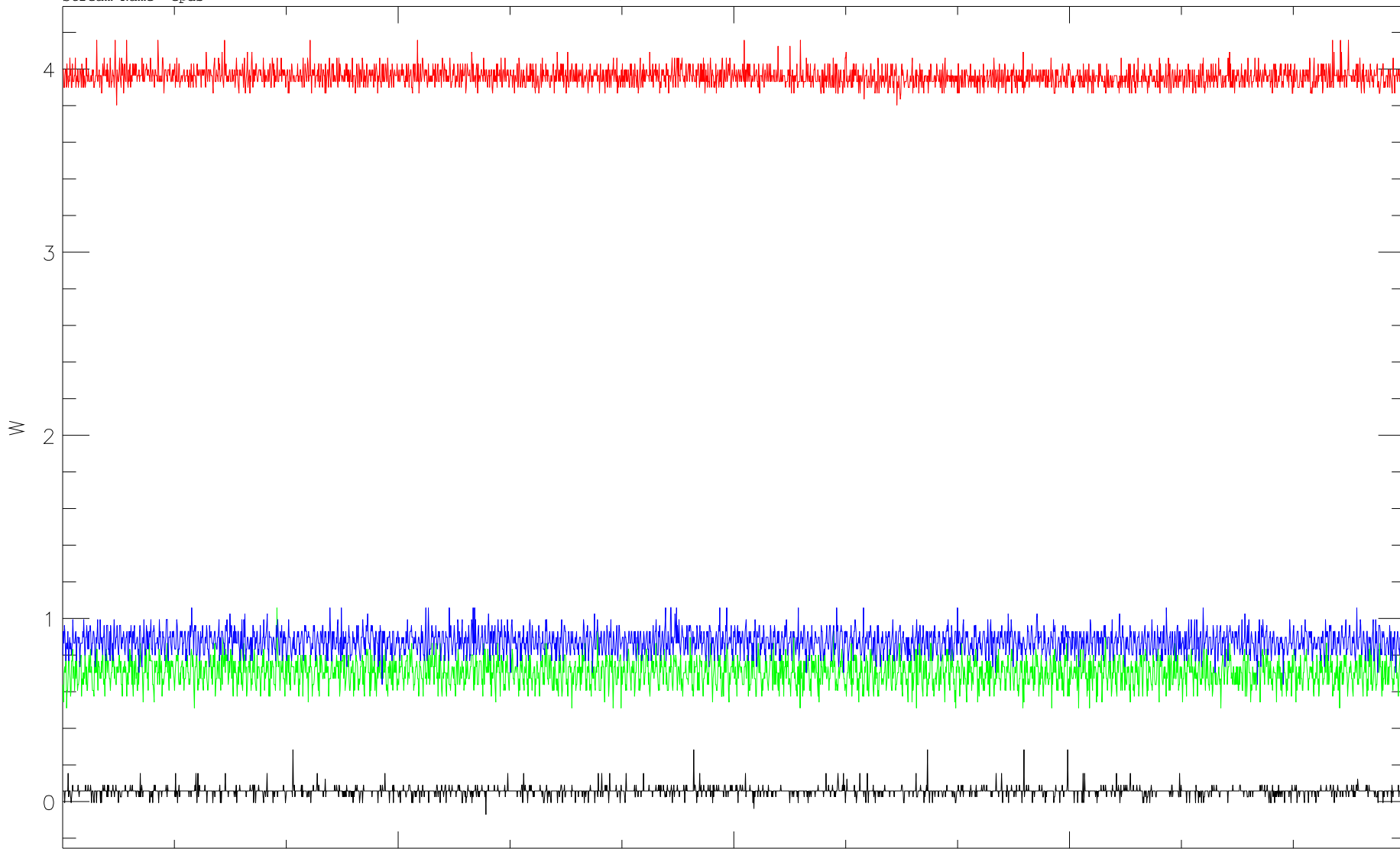
MNEMONIC NAME	E/R	Y-Offset	S/C	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC..
HIR_GYRO_TMP.....	EU			2700	53.741	70.188	63.910	1.0827	Gyro 0 temperature [C].
HIR_GYR1_TMP.....	EU			2700	63.308	76.276	68.672	0.98271	Gyro 1 temperature [C].
HIR_GYR2_TMP.....	EU			2700	53.741	76.276	67.158	1.2548	Gyro 2 temperature [C].
HIR_GYR3_TMP.....	EU			2700	53.741	76.276	65.825	1.1955	Gyro 3 temperature [C].

Current Time: 2005-354-09:25:59
 Req Start Time: 2005-353-00:00:00
 Req Stop Time: 2005-354-00:00:00

Sample Rate: All Points
 Profile Name: hir_15_gyro_p..
 User Name: aura_daily
 Smooth Factor: 1

Spacecraft: ch_1
 Stream Name: epds

HIRDLS GYRO Heater Power



Y Min: -0.2824740
 Y Max: 4.369074

353-06:00

353-12:00

353-18:00

TIME

X Min: 2005-353-00:00:08
 X Max: 2005-353-23:59:56

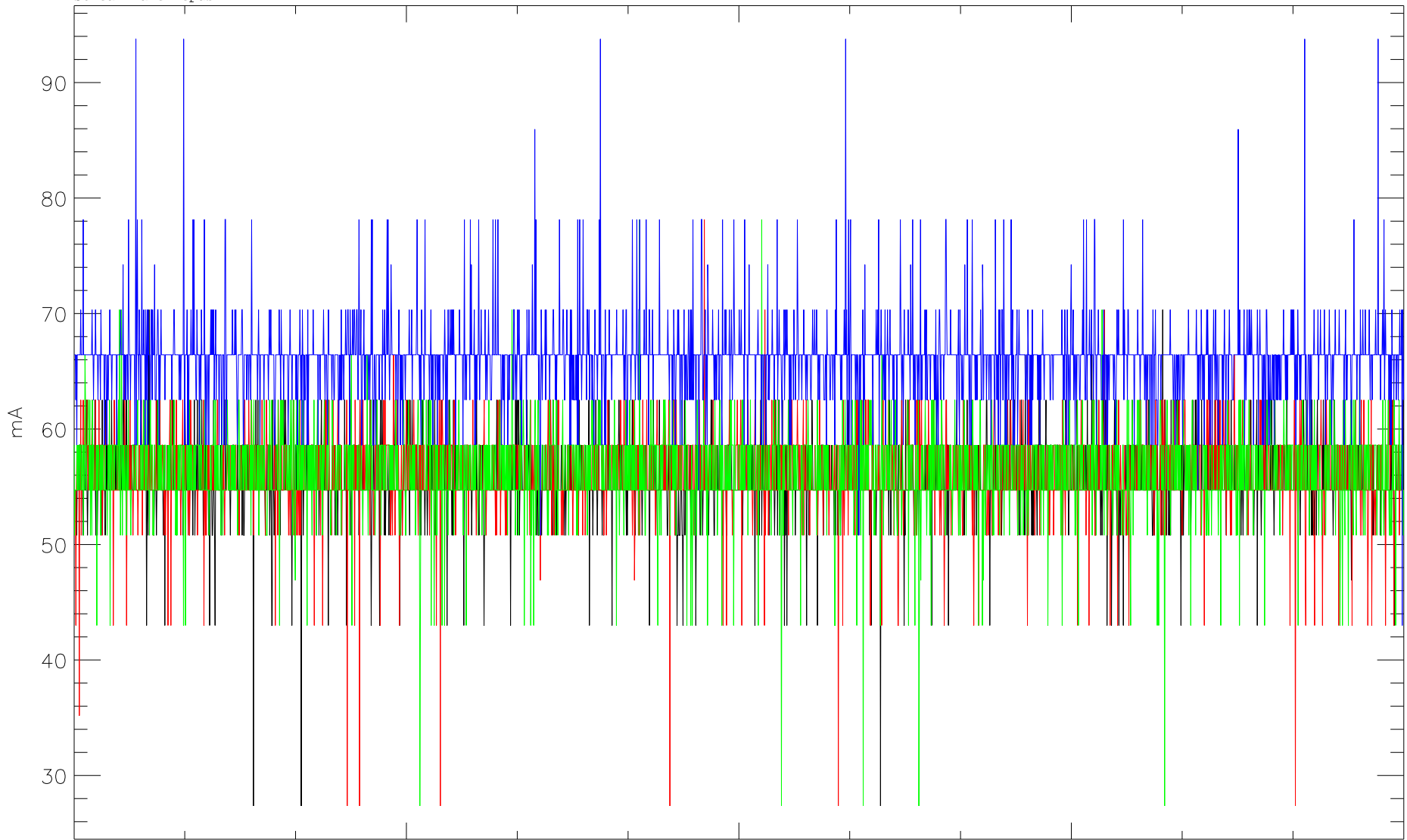
MNEMONIC NAME	E/R	Y-Offset	S/C	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC..
HIR_GYRO_HTR_W.....	EU			2700	-0.071040	0.28404	0.056227	0.024081	Gyro 0 heater watts (mean [W].
HIR_GYR1_HTR_W.....	EU			2700	3.8026	4.1576	3.9585	0.047144	Gyro 1 heater watts (mean [W].
HIR_GYR2_HTR_W.....	EU			2700	0.51000	1.0588	0.70705	0.071836	Gyro 2 heater watts (mean [W].
HIR_GYR3_HTR_W.....	EU			2700	0.63912	1.0588	0.87408	0.061450	Gyro 3 heater watts (mean [W].

Current Time: 2005-354-09:26:12
 Req Start Time: 2005-353-00:00:00
 Req Stop Time: 2005-354-00:00:00

Sample Rate: All Points
 Profile Name: hir_16_gyro_c..
 User Name: aura_daily
 Smooth Factor: 1

Spacecraft: ch_1
 Stream Name: epds

HIRDLS GYRO Motor Current



Y Min: 24.04356
 Y Max: 97.09324

353-06:00

353-12:00

353-18:00

TIME

X Min: 2005-353-00:00:12
 X Max: 2005-353-23:59:56

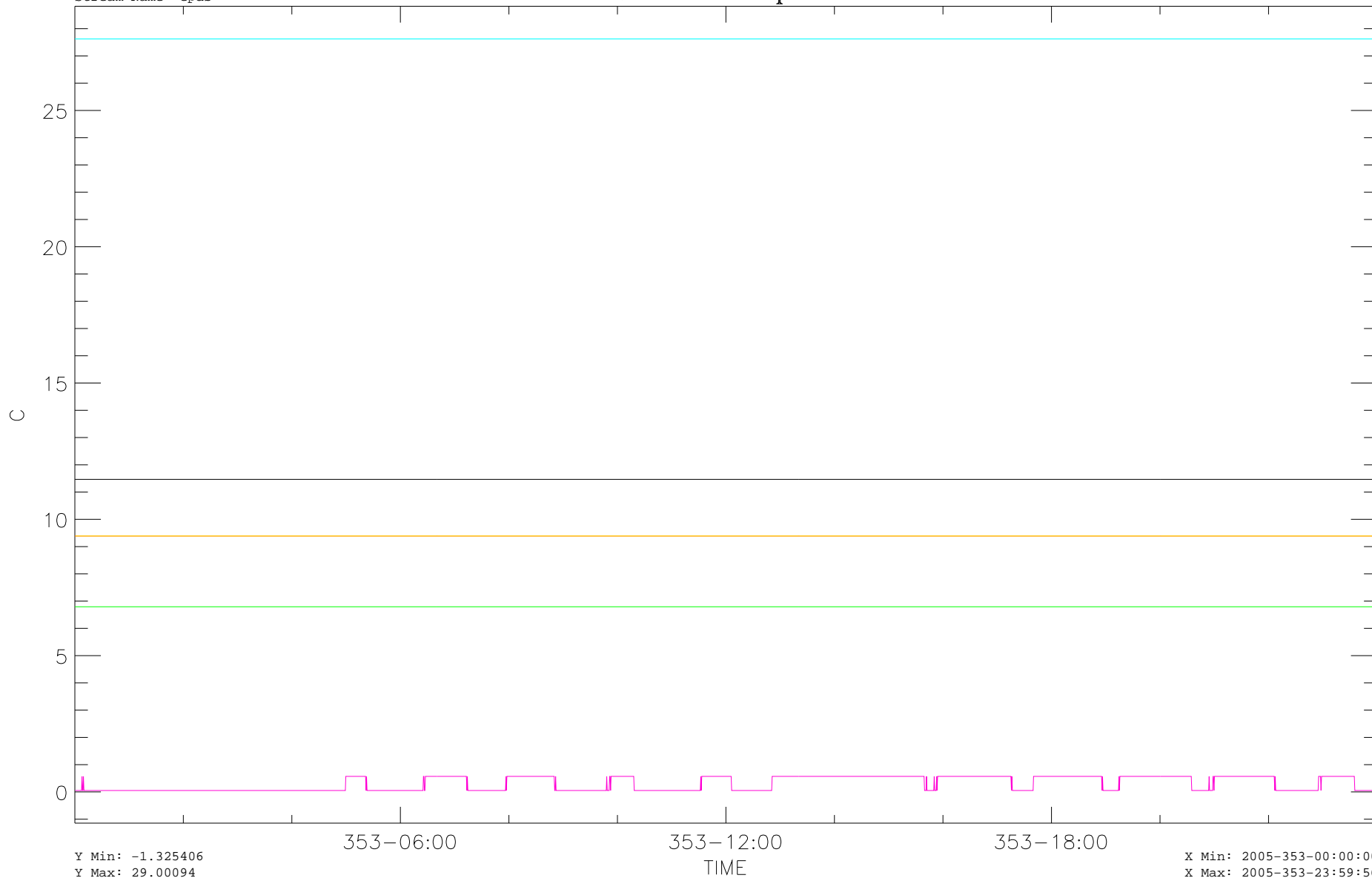
MNEMONIC NAME	E/R	Y-Offset	S/C	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC..
HIR_GYRO_MOT_I.....	EU			2700	27.364	70.334	55.397	3.1058	Gyro 0 motor current [mA].
HIR_GYR1_MOT_I.....	EU			2700	27.364	78.147	55.979	3.5480	Gyro 1 motor current [mA].
HIR_GYR2_MOT_I.....	EU			2700	27.364	78.147	56.209	3.7193	Gyro 2 motor current [mA].
HIR_GYR3_MOT_I.....	EU			2700	42.990	93.773	66.179	3.6038	Gyro 3 motor current [mA].

Current Time: 2005-354-09:26:27
 Req Start Time: 2005-353-00:00:00
 Req Stop Time: 2005-354-00:00:00

Sample Rate: All Points
 Profile Name: hir_17_oba_te..
 User Name: aura_daily
 Smooth Factor: 1

Spacecraft: ch_1
 Stream Name: epds

HIRDLS OBA Temperatures



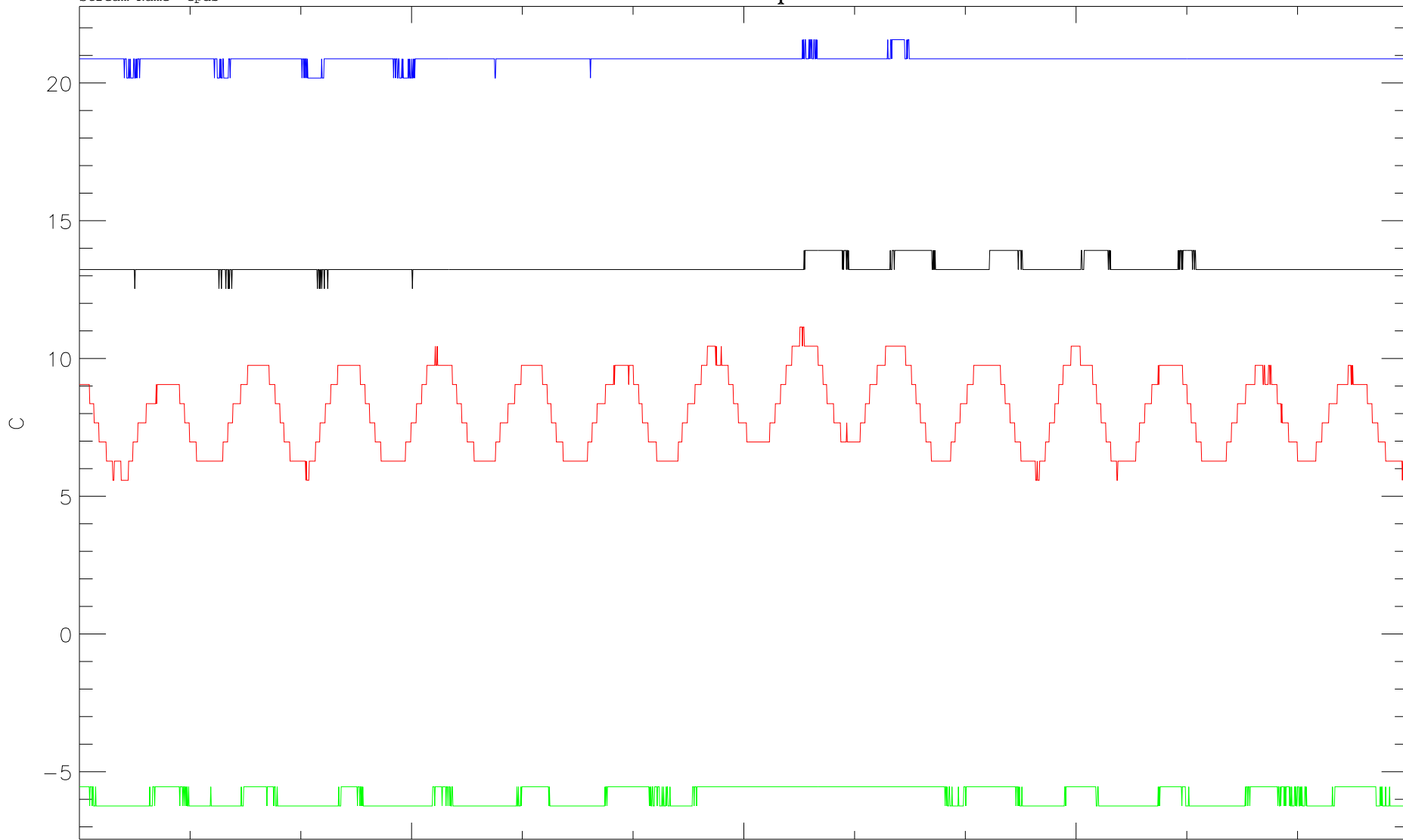
MNEMONIC NAME	E/R	Y-Offset	S/C	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC..
HIR_M1_TMP3.....	EU			2700	11.467	11.467	11.467	0.0000	Pri (M1) mir temp. 3, EDA [C].
HIR_M2_TMP2.....	EU			2700	9.3882	9.3882	9.3882	0.0000	Sec. (M2) mir temp #2, ED [C].
HIR_SM_TMP3.....	EU			2700	6.7922	6.7922	6.7922	0.0000	Scan mirror temp 3, EDAQ [C].
HIR_LNS1_WF_TMP3.....	EU			2700	27.622	27.622	27.622	0.0000	Lens 1-WF temp. 3, EDAQ D [C].
HIR_LNS2_TMP3.....	EU			2700	27.622	27.622	27.622	0.0000	Lens 2 temp. 3, EDAQ Deri [C].
HIR_CALMIR_TMP3.....	EU			2700	0.053064	0.57093	0.30586	0.25891	Cal. Mirror temp #3, EDA [C].
HIR_SPVUMIR_TMP3.....	EU			2700	9.3882	9.3882	9.3882	0.0000	Space View Mirror temp #3 [C]

Current Time: 2005-354-09:26:41
 Req Start Time: 2005-353-00:00:00
 Req Stop Time: 2005-354-00:00:00

Sample Rate: All Points
 Profile Name: hir_19_box_te..
 User Name: aura_daily
 Smooth Factor: 1

Spacecraft: ch_1
 Stream Name: epds

Box Temps 1



Y Min: -7.632960
 Y Max: 22.96006

353-06:00

353-12:00

353-18:00

X Min: 2005-353-00:00:00
 X Max: 2005-353-23:59:48

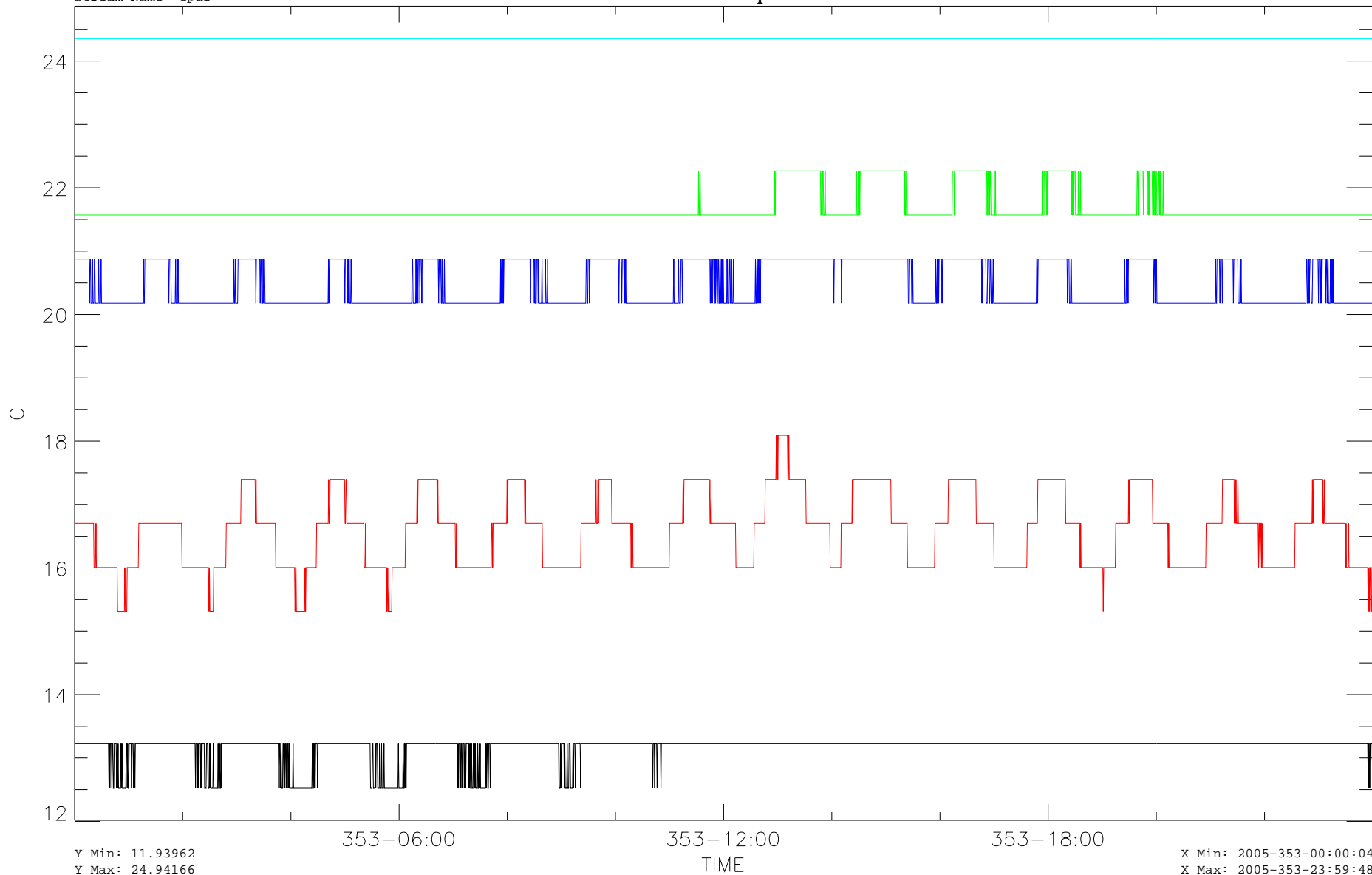
MNEMONIC NAME	E/R	Y-Offset	S/C	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC..
HIR_BEU_BOX_TMP.....	EU			2700	12.531	13.921	13.304	0.23125	BEU box EDAQ AD590 Row 4 [C].
HIR_CCU_BOX_TMP.....	EU			2700	5.5777	11.140	8.0503	1.3883	CCU box temp, EDAQ AD590 [C].
HIR_EEA_BOX_TMP.....	EU			2700	-6.2424	-5.5471	-5.8983	0.34769	EEA box temp, EDAQ AD590 [C].
HIR_GEU_BOX_TMP.....	EU			2700	20.179	21.569	20.858	0.16480	GEU box temp, EDAQ AD590 [C].

Current Time: 2005-354-09:26:55
 Req Start Time: 2005-353-00:00:00
 Req Stop Time: 2005-354-00:00:00

Sample Rate: All Points
 Profile Name: hir_21_box_te..
 User Name: aura_daily
 Smooth Factor: 1

Spacecraft: ch_1
 Stream Name: epds

Box Temps 2



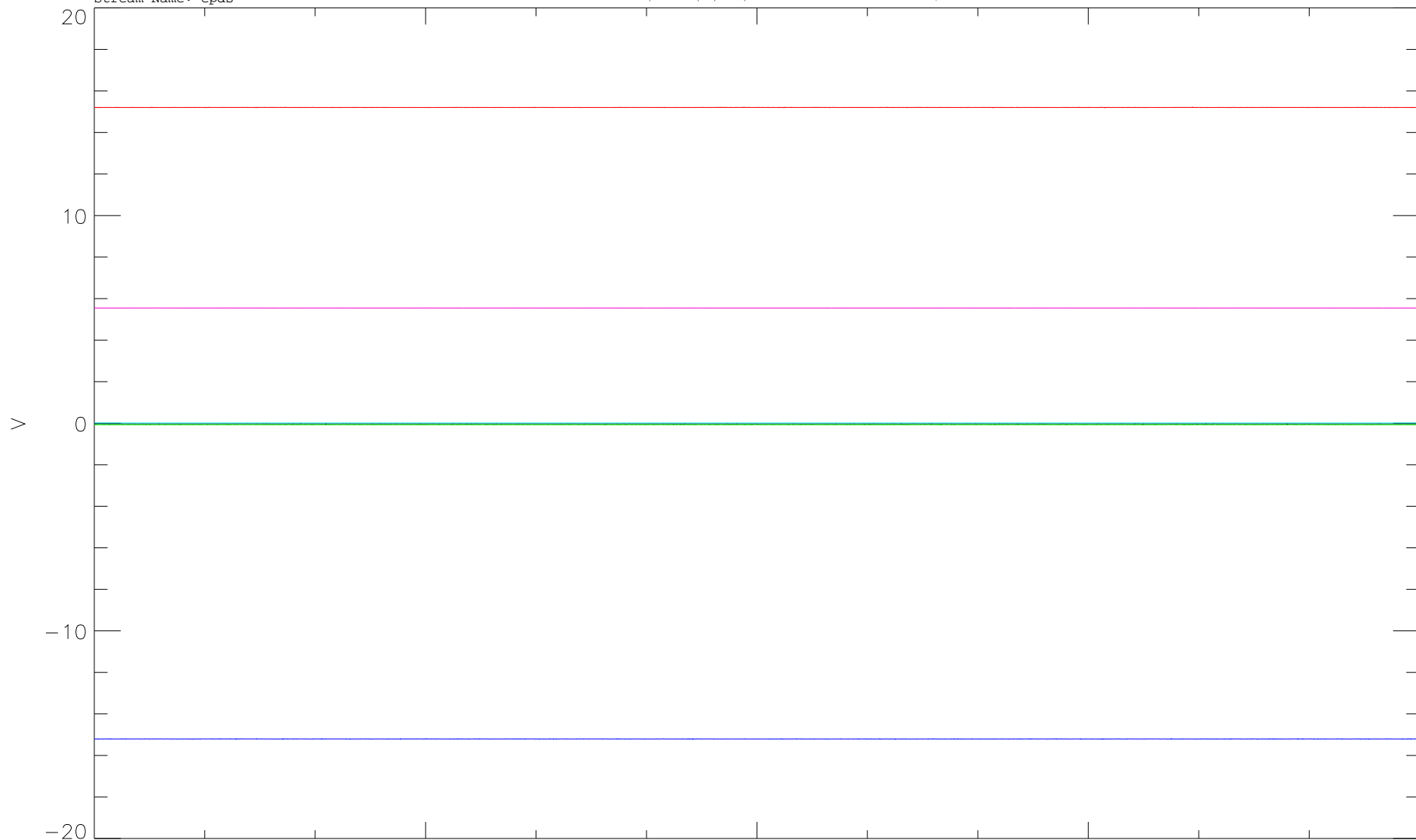
MNEMONIC NAME	E/R	Y-Offset	S/C	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC..
HIR_IPU_BOX_TMP.....	EU			2700	12.531	13.226	13.163	0.20012	IPU box EDAQ AD590 Row 7 [C].
HIR_PCU_BOX_TMP.....	EU			2700	15.312	18.093	16.578	0.57283	PCU box temp, EDAQ AD590 [C].
HIR_SPU_BOX_TMP.....	EU			2700	21.569	22.265	21.667	0.24104	SPU box EDAQ AD590 Row 2 [C].
HIR_TEU_BOX_TMP.....	EU			2700	20.179	20.874	20.463	0.34184	TEU box EDAQ AD590 Row 7 [C].
HIR_WSE_BOX_TMP.....	EU			2700	24.351	24.351	24.351	0.0000	WSE box temp, EDAQ AD590 [C]

Current Time: 2005-354-09:27:10
 Req Start Time: 2005-353-00:00:00
 Req Stop Time: 2005-354-00:00:00

Sample Rate: All Points
 Profile Name: hir_23_pss_sp..
 User Name: aura_daily
 Smooth Factor: 1

Spacecraft: ch_1
 Stream Name: epds

HIRDLS PSS SPU DDC Volts



Y Min: -20.00000
 Y Max: 20.00000

X Min: 2005-353-00:00:00
 X Max: 2005-353-23:59:56

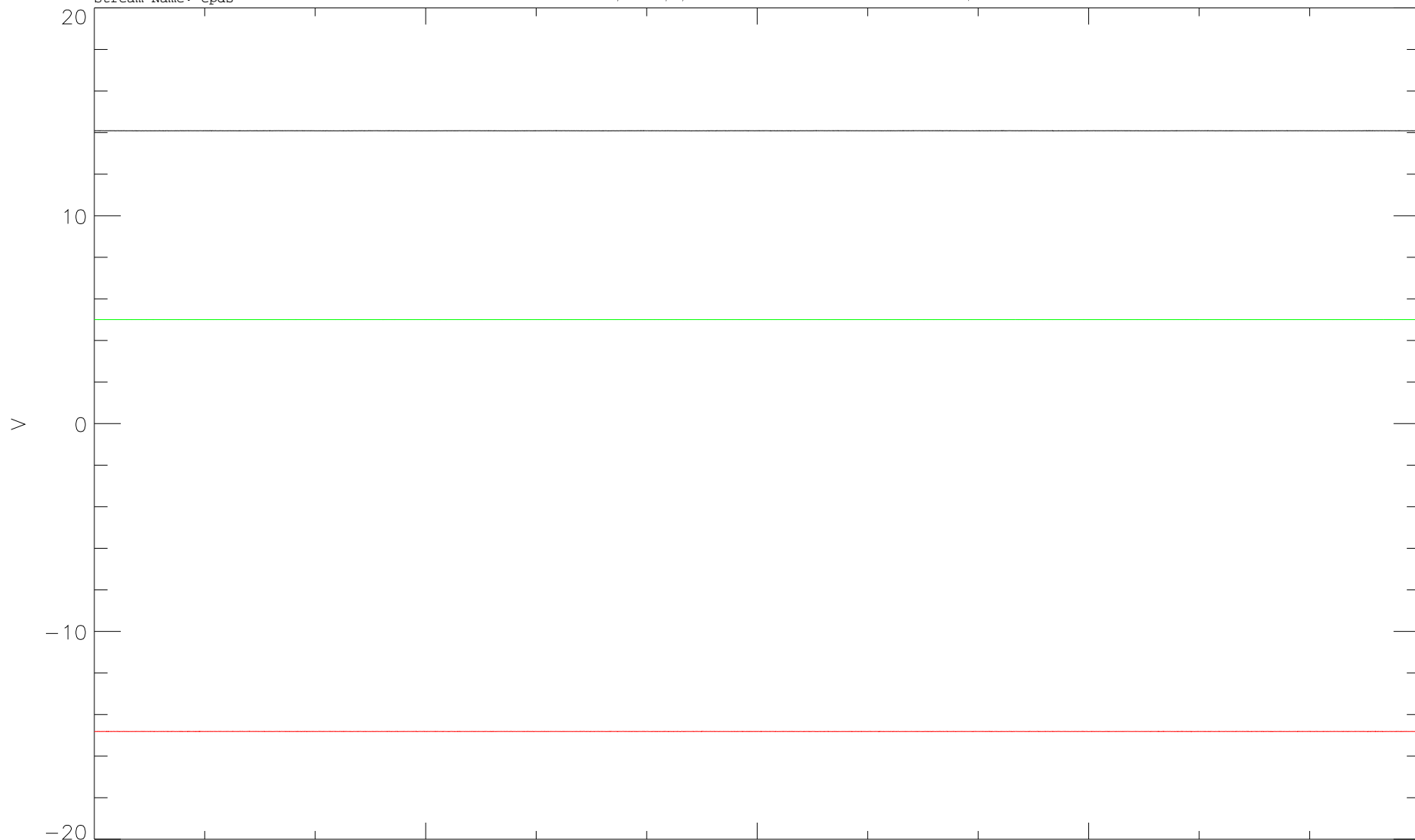
MNEMONIC NAME	E/R	Y-Offset	S/C	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC..
HIR_PSS_SPU_P15VA.....	EU			5400	-0.040640	-0.015309	-0.028065	0.0027847	SPU +15V DDC A volts [V].
HIR_PSS_SPU_P15VB.....	EU			5400	15.190	15.221	15.206	0.0030510	SPU +15V DDC B volts [V].
HIR_PSS_SPU_N15VA.....	EU			5400	-0.091779	-0.062179	-0.075082	0.0028049	SPU -15V DDC A volts [V].
HIR_PSS_SPU_N15VB.....	EU			5400	-15.221	-15.191	-15.207	0.0028789	SPU -15V DDC B volts [V].
HIR_PSS_SPU_5VA.....	EU			5400	0.0085644	0.016762	0.012846	0.00080673	SPU +5V DDC A volts [V].
HIR_PSS_SPU_5VB.....	EU			5400	5.5397	5.5487	5.5445	0.0010778	SPU +5V DDC B volts [V].

Current Time: 2005-354-09:27:23
 Req Start Time: 2005-353-00:00:00
 Req Stop Time: 2005-354-00:00:00

Sample Rate: All Points
 Profile Name: hir_25_pss_pc..
 User Name: aura_daily
 Smooth Factor: 1

Spacecraft: ch_1
 Stream Name: epds

HIRDL5 PSS PCU Internal Volts



Y Min: -20.00000
 Y Max: 20.00000

X Min: 2005-353-00:00:04
 X Max: 2005-353-23:59:56

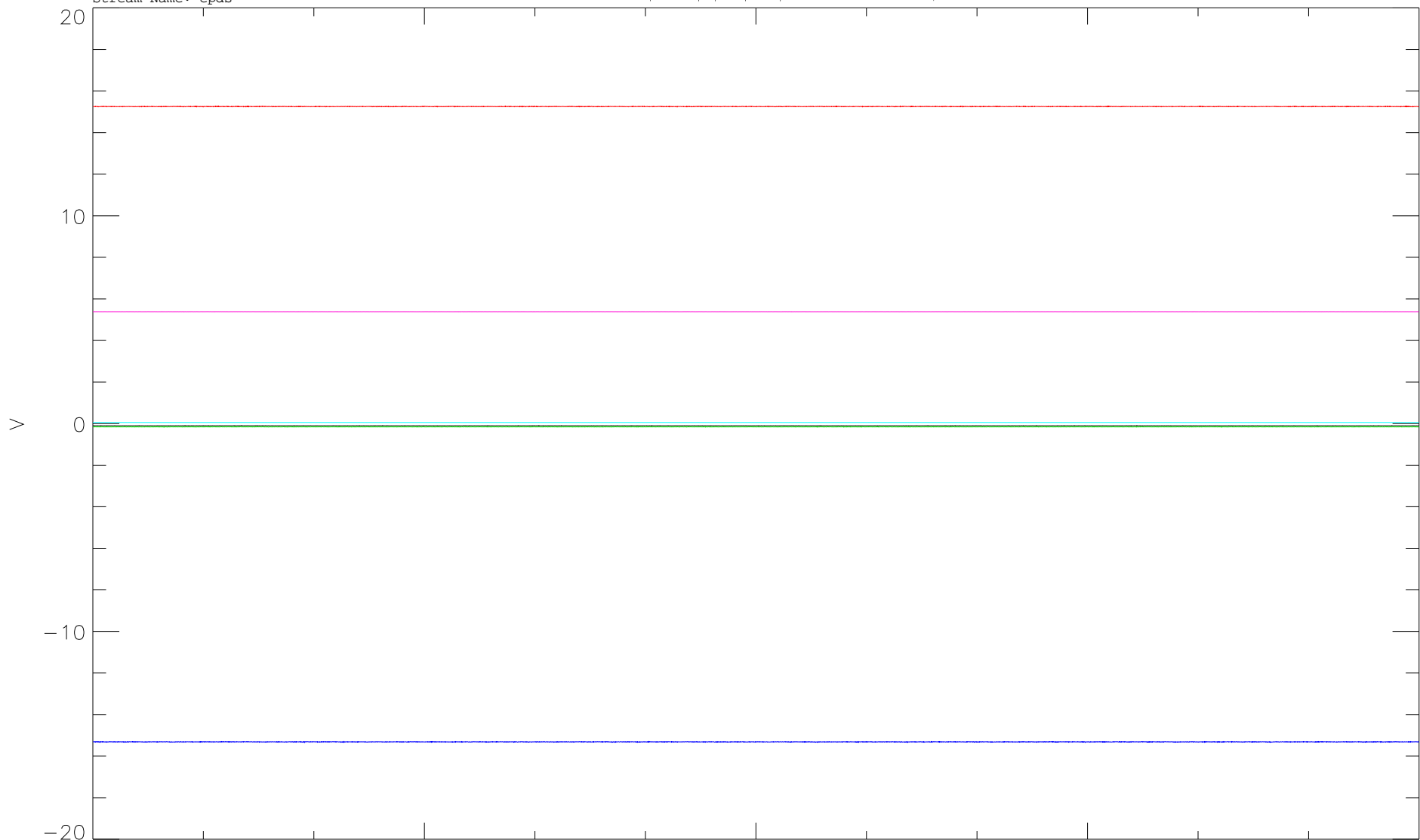
MNEMONIC NAME	E/R	Y-Offset	S/C	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC.
HIR_PSS_PCU_P15VC.....	EU			5400	14.078	14.099	14.088	0.0024639	PCU Internal +15 Volts [V].
HIR_PSS_PCU_N15VC.....	EU			5400	-14.827	-14.804	-14.814	0.0025580	PCU Internal -15 Volts [V].
HIR_PSS_PCU_5VC.....	EU			5400	4.9986	5.0066	5.0030	0.00074989	PCU Internal +5 Volts [V]

Current Time: 2005-354-09:27:38
 Req Start Time: 2005-353-00:00:00
 Req Stop Time: 2005-354-00:00:00

Sample Rate: All Points
 Profile Name: hir_27_pss_sy..
 User Name: aura_daily
 Smooth Factor: 1

Spacecraft: ch_1
 Stream Name: epds

HIRDLS PSS SYS DDC Volts



Y Min: -20.00000
 Y Max: 20.00000

X Min: 2005-353-00:00:00
 X Max: 2005-353-23:59:56

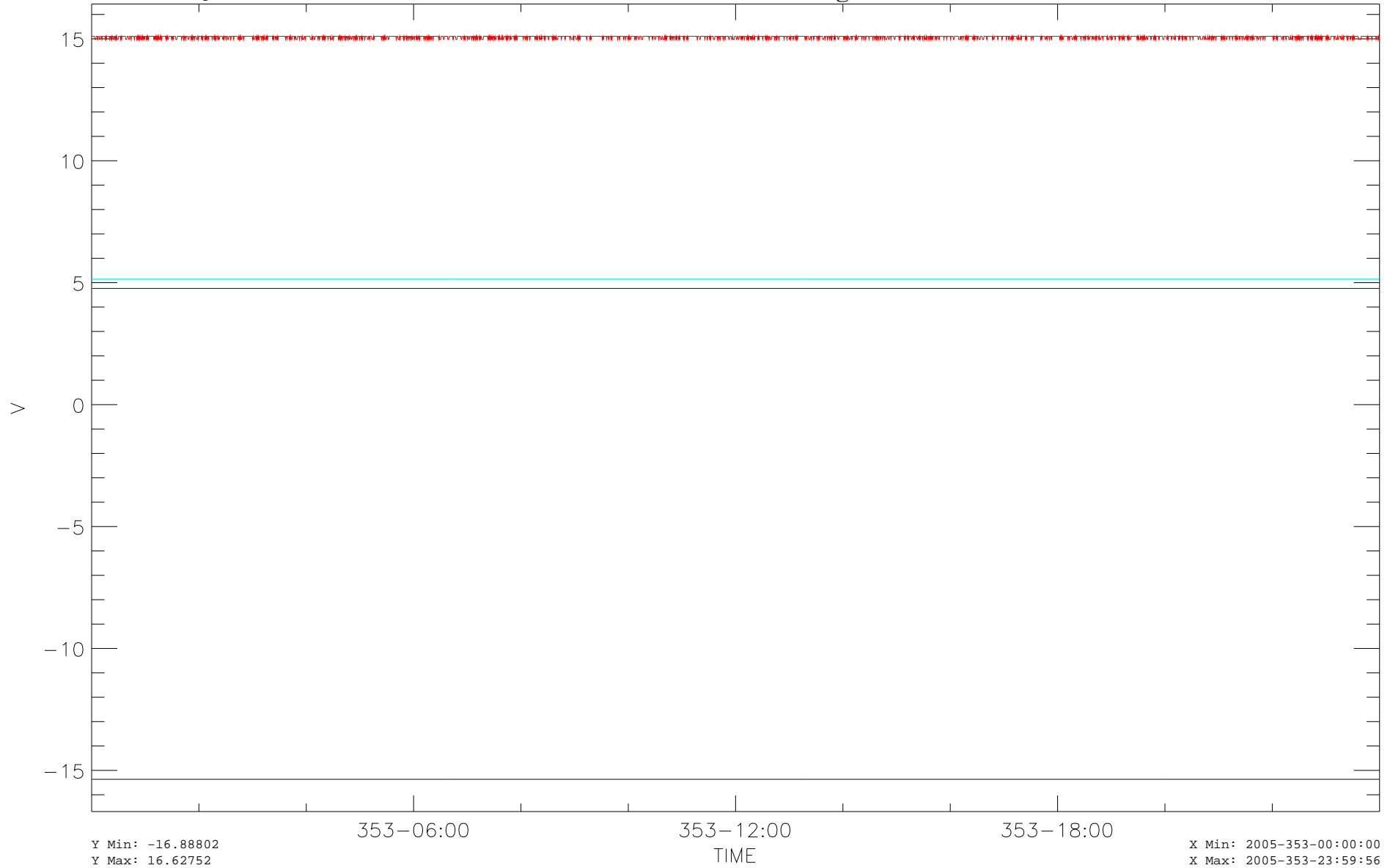
MNEMONIC NAME	E/R	Y-Offset	S/C	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC.
HIR_PSS_SYS_P15VA.....	EU			5400	-0.11564	-0.094456	-0.10423	0.0021333	SYS +15V DDC A volts [V].
HIR_PSS_SYS_P15VB.....	EU			5400	15.237	15.275	15.253	0.0058025	SYS +15V DDC B volts [V].
HIR_PSS_SYS_N15VA.....	EU			5400	-0.17432	-0.14762	-0.15975	0.0021336	SYS -15V DDC A volts [V].
HIR_PSS_SYS_N15VB.....	EU			5400	-15.338	-15.298	-15.314	0.0056209	SYS -15V DDC B volts [V].
HIR_PSS_SYS_5VA.....	EU			5400	0.049817	0.057105	0.053112	0.00077322	SYS +5V DDC A volts [V].
HIR_PSS_SYS_5VB.....	EU			5400	5.3789	5.3870	5.3832	0.00093568	SYS +5V DDC B volts [V].

Current Time: 2005-354-09:27:52
 Req Start Time: 2005-353-00:00:00
 Req Stop Time: 2005-354-00:00:00

Sample Rate: All Points
 Profile Name: hir_29_tsw_vo..
 User Name: aura_daily
 Smooth Factor: 1

Spacecraft: ch_1
 Stream Name: epds

HIRDLS TSW Voltages



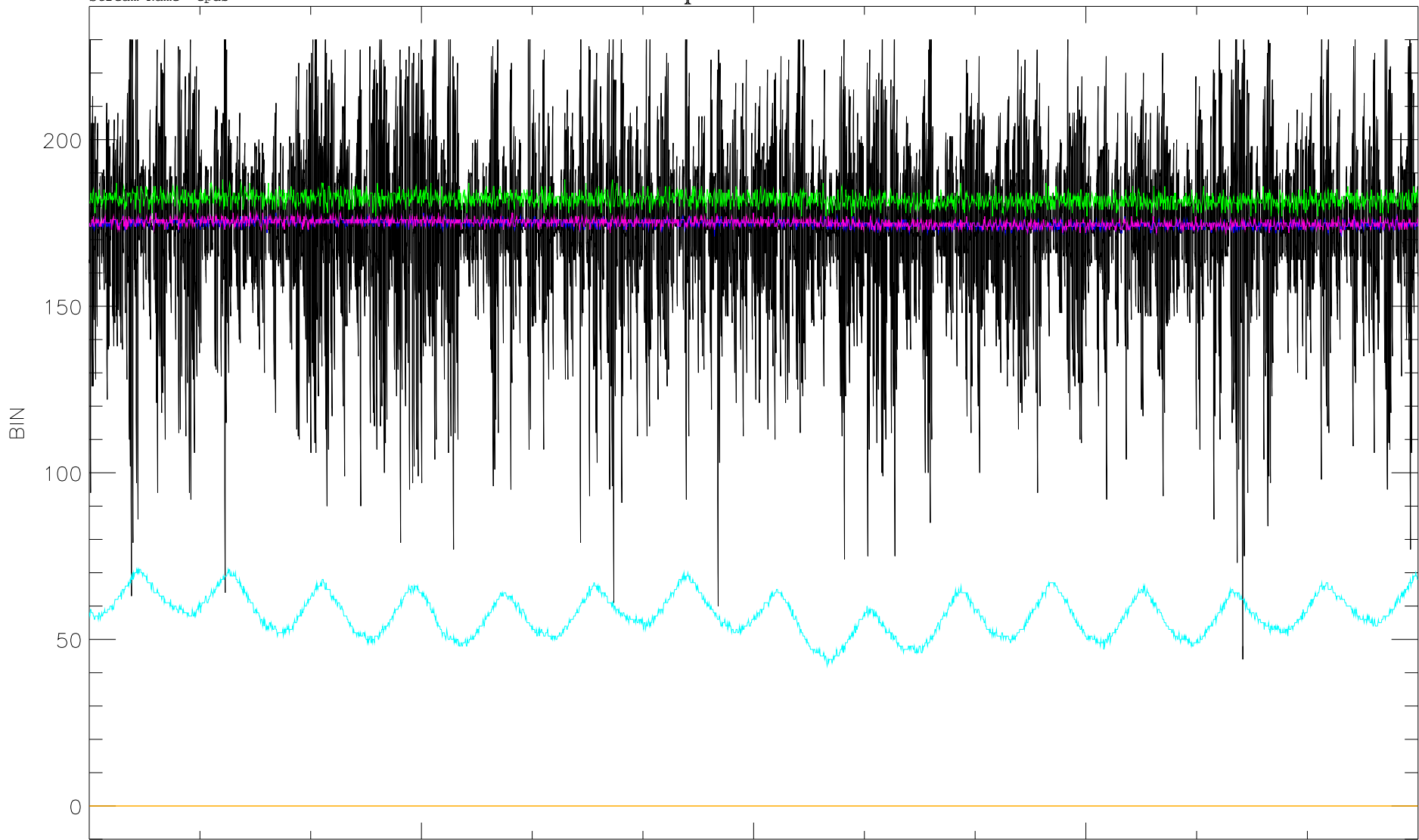
MNEMONIC NAME	E/R	Y-Offset	S/C	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC.
HIR_TSW_N15VSUP.....	EU			2700	-15.365	-15.365	-15.365	0.0000	TSS Negative 15V supply [V].
HIR_TSW_P15VSUP.....	EU			2700	14.974	15.104	15.067	0.058685	TSS Positive 15V supply 1 [V].
HIR_TSW_P5VREF1.....	EU			2700	4.7656	4.7656	4.7656	0.0000	TSS Positive 5V reference [V].
HIR_TSW_P5VREF2.....	EU			2700	4.7656	4.7656	4.7656	0.0000	TSS Positive 5V reference [V].
HIR_TSW_P5VSUP.....	EU			2700	5.1562	5.1562	5.1562	0.0000	TSS Positive 5V supply 1 [V].

Current Time: 2005-354-09:28:07
 Req Start Time: 2005-353-00:00:00
 Req Stop Time: 2005-354-00:00:00

Sample Rate: All Points
 Profile Name: hir_31_oph-L...
 User Name: aura_daily
 Smooth Factor: 1

Spacecraft: ch_1
 Stream Name: epds

HIRDLS Operational Heaters



Y Min: -11.50000
 Y Max: 241.50000

X Min: 2005-353-00:00:00
 X Max: 2005-353-23:59:56

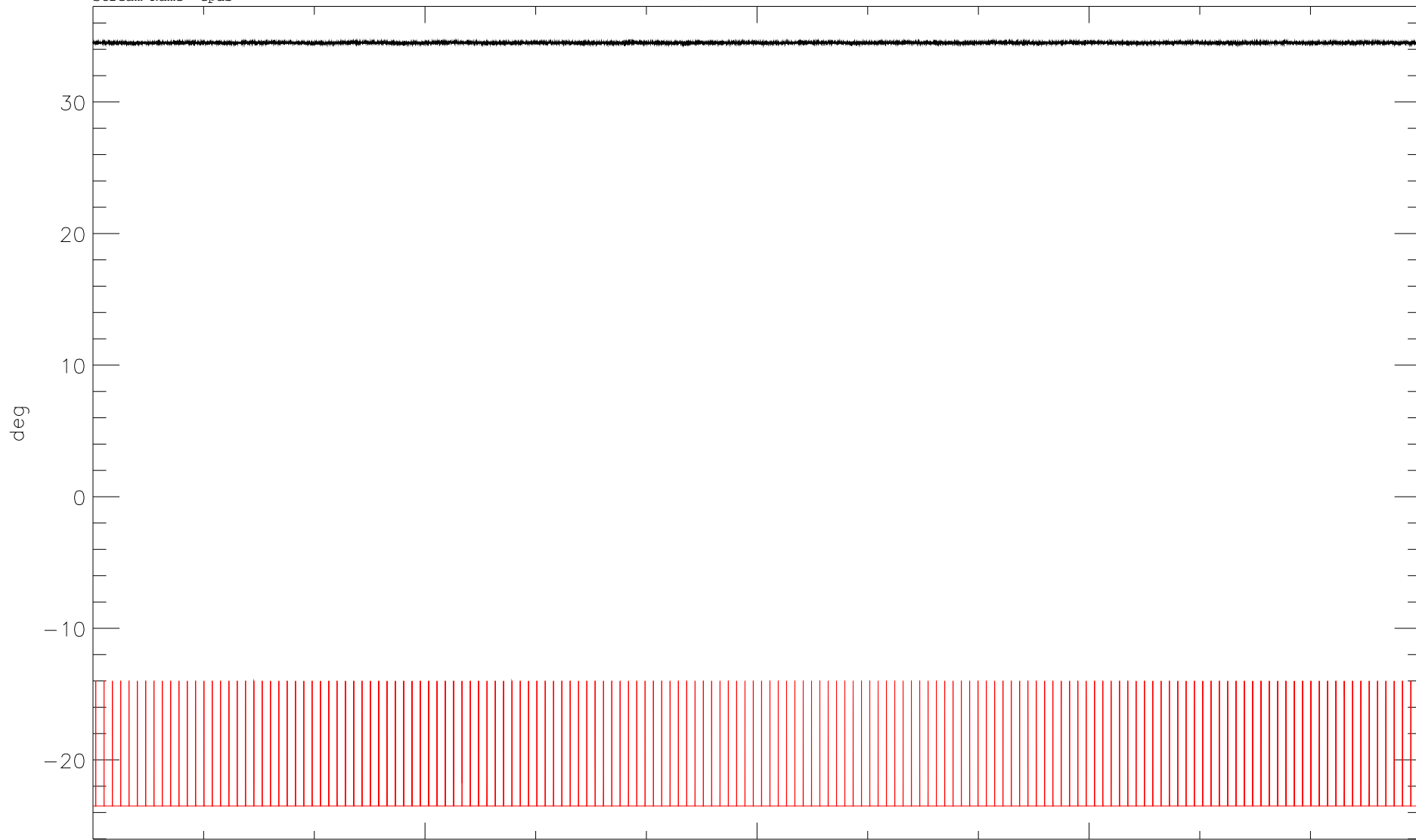
MNEMONIC NAME	E/R	Y-Offset	S/C	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC..
HIR_IFC_HCW.....	EU			21600	44.000	230.00	173.06	26.591	IFC Heater Control Word [BIN].
HIR_OPH_ZONE1_WIDTH.....	EU			2700	0.0000	0.0000	0.0000	0.0000	OPH Duty Cycle, 0 (off) [BIN].
HIR_OPH_ZONE2_WIDTH.....	EU			2700	177.00	188.00	182.07	1.8292	OPH Duty Cycle, 0 (off) [BIN].
HIR_OPH_ZONE3_WIDTH.....	EU			2700	171.00	178.00	174.73	0.99779	OPH Duty Cycle, 0 (off) [BIN].
HIR_OPH_ZONE4_WIDTH.....	EU			2700	42.000	71.000	57.496	5.8944	OPH Duty Cycle, 0 (off) [BIN].
HIR_OPH_ZONE5_WIDTH.....	EU			2700	172.00	178.00	175.01	1.0106	OPH Duty Cycle, 0 (off) [BIN].
HIR_OPH_ZONE6_WIDTH.....	EU			2700	0.0000	0.0000	0.0000	0.0000	OPH Duty Cycle, 0 (off) [BIN].

Current Time: 2005-354-09:28:24
 Req Start Time: 2005-353-00:00:00
 Req Stop Time: 2005-354-00:00:00

Sample Rate: All Points
 Profile Name: hir_35_door_p..
 User Name: aura_daily
 Smooth Factor: 1

Spacecraft: ch_1
 Stream Name: epds

HIRDLS SSH Door Position



Y Min: -26.41302
 Y Max: 37.64271

X Min: 2005-353-00:00:00
 X Max: 2005-353-23:59:56

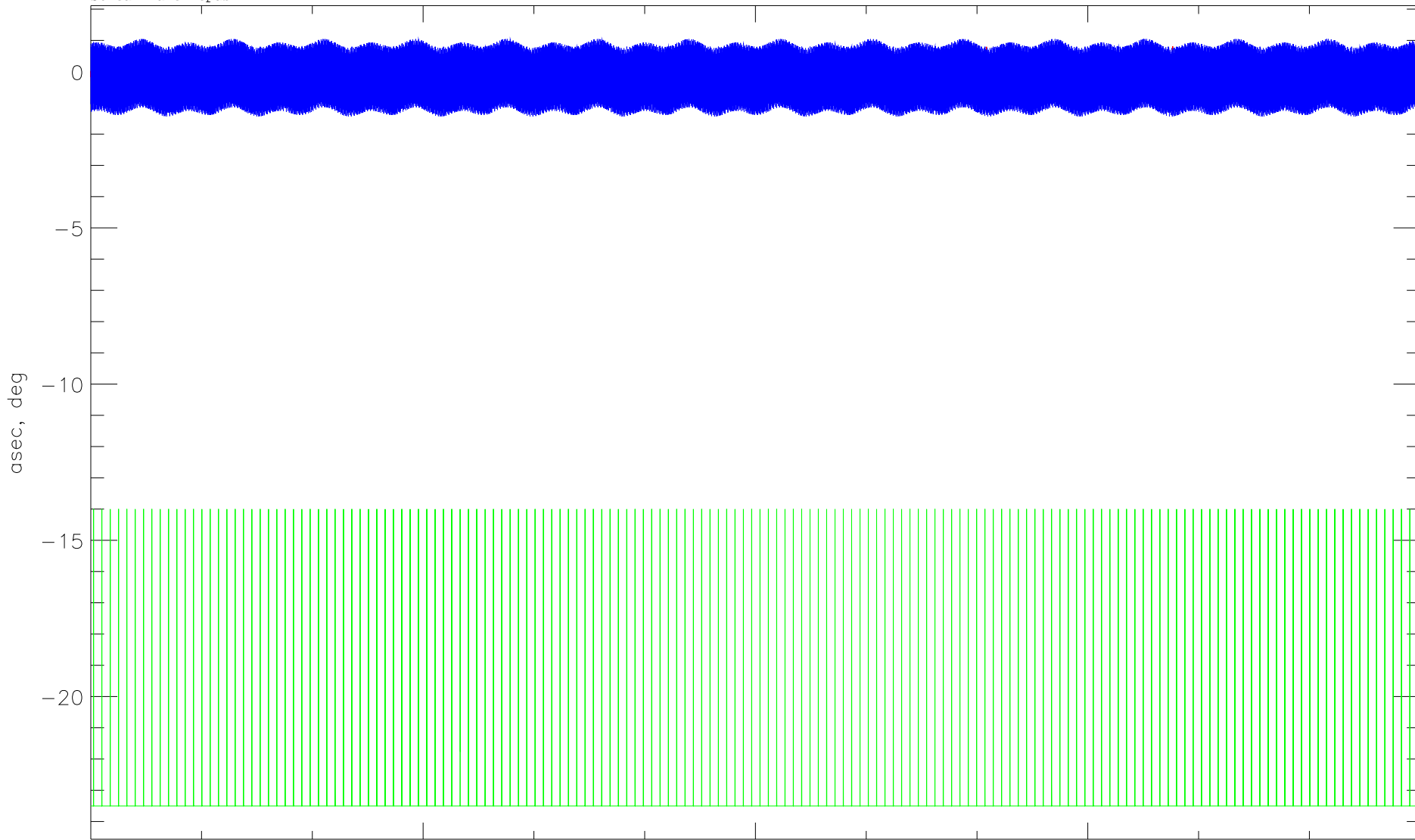
MNEMONIC NAME	E/R Y-Offset	S/C	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC..
HIR_DOOR_POT.....	EU		21600	34.261	34.731	34.501	0.046596	Door angle sensor, EDAQ [deg].
HIR_TSW_SCI_AZPO_CMD.....	EU		21600	-23.501	-14.001	-23.349	1.1530	TSW commanded Az positi [deg]

Current Time: 2005-354-09:28:41
 Req Start Time: 2005-353-00:00:00
 Req Stop Time: 2005-354-00:00:00

Sample Rate: All Points
 Profile Name: hir_37_scanne..
 User Name: aura_daily
 Smooth Factor: 1

Spacecraft: ch_1
 Stream Name: epds

HIRDLS Scanner Error and Position



Y Min: -24.72871
 Y Max: 2.272224

353-06:00

353-12:00

353-18:00

TIME

X Min: 2005-353-00:00:00
 X Max: 2005-353-23:59:56

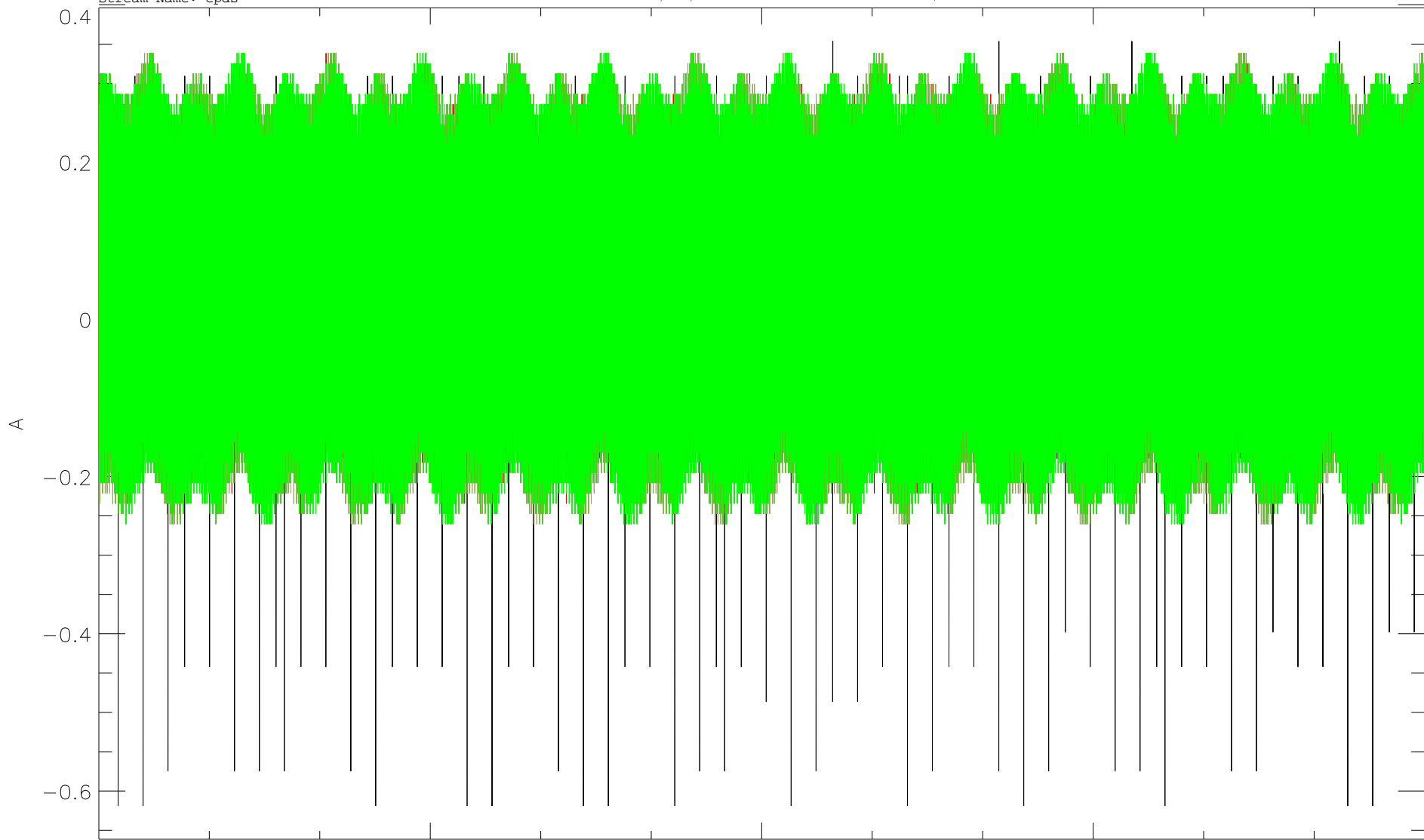
MNEMONIC NAME	E/R	Y-Offset	S/C	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC..
HIR_TSW_CTL_ERR_AZ.....	EU			21600	-0.99420	0.68067	0.0021592	0.048618	SM AZ control error (m [asec].
HIR_TSW_CTL_ERR_EL.....	EU			21600	-0.71987	0.81062	0.015622	0.19057	SM EL control error (m [asec].
HIR_TSW_SCI_AZPO_CMD.....	EU			21600	-23.501	-14.001	-23.349	1.1530	TSW commanded Az positi [deg].
HIR_TSW_SCI_ELPO_CMD.....	EU			21600	-1.4314	1.0449	-0.19834	0.66808	TSW commanded El positi [deg]

Current Time: 2005-354-09:28:57
 Req Start Time: 2005-353-00:00:00
 Req Stop Time: 2005-354-00:00:00

Sample Rate: All Points
 Profile Name: hir_39_scancu..
 User Name: aura_daily
 Smooth Factor: 1

Spacecraft: ch_1
 Stream Name: epds

HIRDLS Scanner Currents



Y Min: -0.6676975
 Y Max: 0.4023975

353-06:00

353-12:00

353-18:00

X Min: 2005-353-00:00:00
 X Max: 2005-353-23:59:56

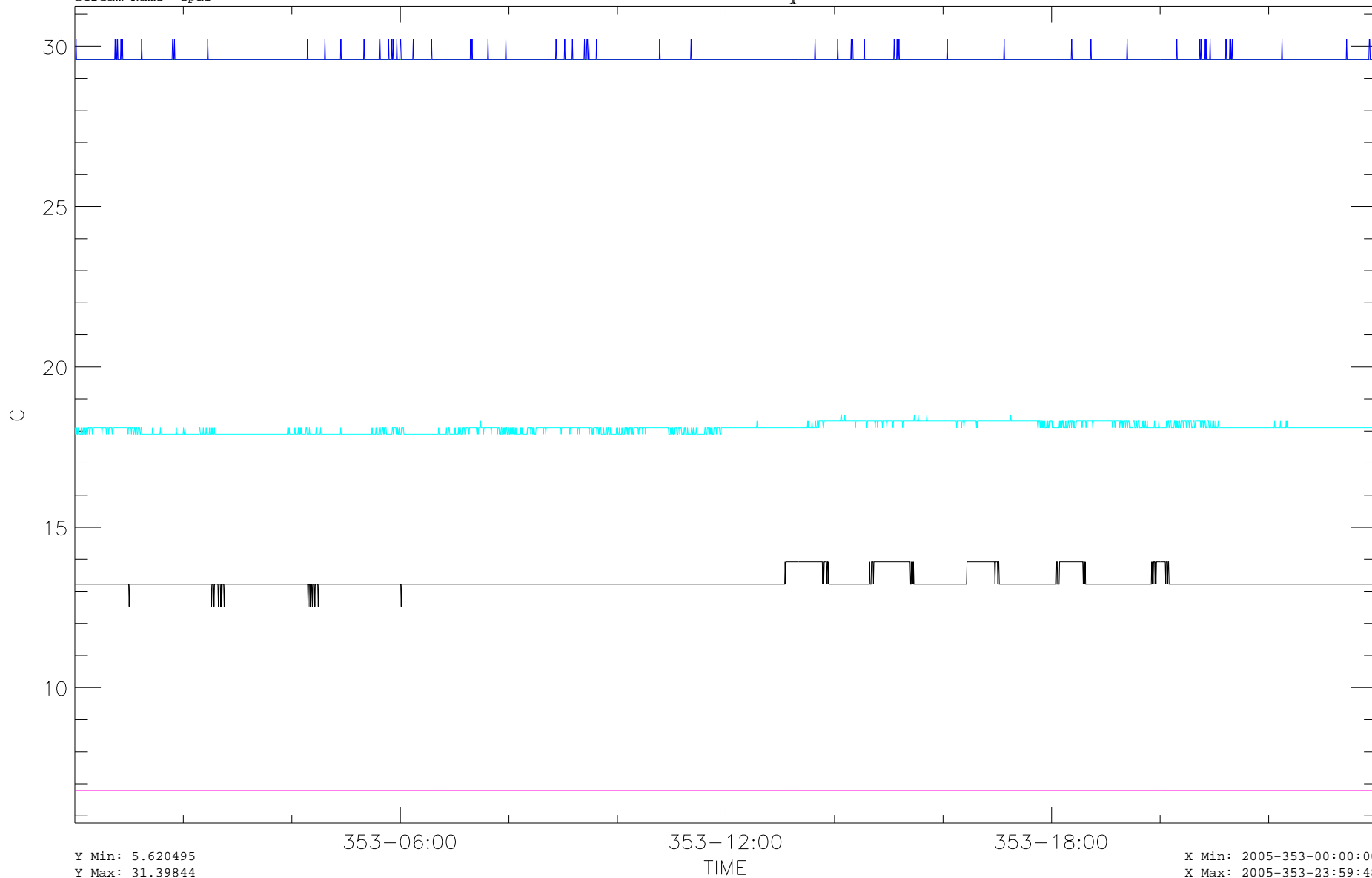
MNEMONIC NAME	E/R Y-Offset	S/C	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC..
HIR_TSW_AZ_MTR_I.....	EU		21600	-0.61906	0.35376	0.074888	0.047104	TSS SMA Azimuth drive mot [A].
HIR_TSW_EL1_MTR_I.....	EU		21600	-0.26042	0.33854	0.038051	0.16180	TSS SMA Elevation 1 motor [A].
HIR_TSW_EL2_MTR_I.....	EU		21600	-0.26042	0.33854	0.038042	0.16173	TSS SMA Elevation 2 motor [A].

Current Time: 2005-354-09:29:12
 Req Start Time: 2005-353-00:00:00
 Req Stop Time: 2005-354-00:00:00

Sample Rate: All Points
 Profile Name: hir_41_ifcbb_..
 User Name: aura_daily
 Smooth Factor: 1

Spacecraft: ch_1
 Stream Name: epds

HIRDLS IFCBB Temperatures



Y Min: 5.620495
 Y Max: 31.39844

X Min: 2005-353-00:00:00
 X Max: 2005-353-23:59:48

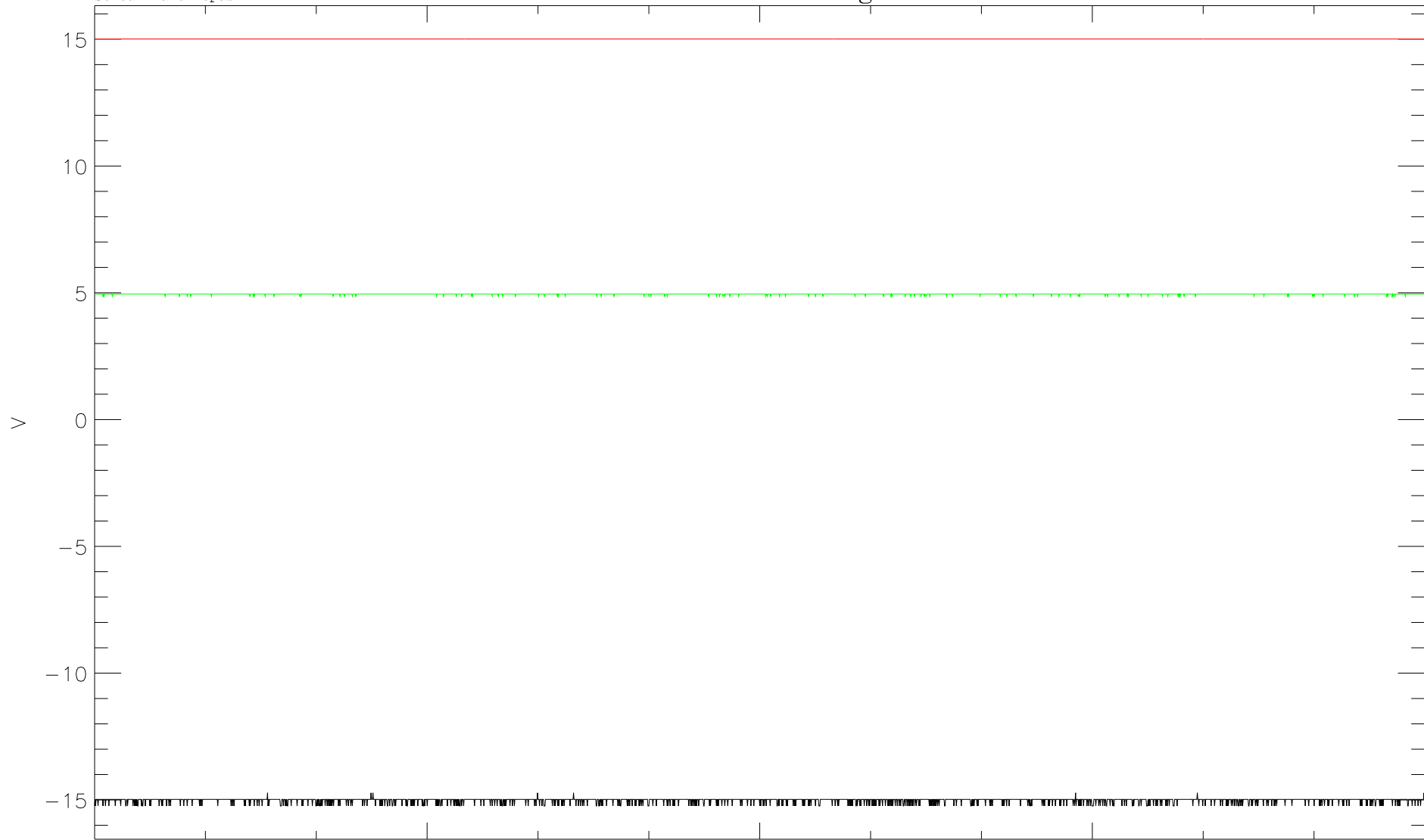
MNEMONIC NAME	E/R	Y-Offset	S/C	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC..
HIR_BEU_BOX_TMP.....	EU			2700	12.531	13.921	13.304	0.23125	BEU box EDAQ AD590 Row 4 [C].
HIR_IFCBB_TMP1.....	EU			2700	29.585	29.585	29.585	0.0000	IFC BB temp. #1 [C].
HIR_IFCBB_TMP2.....	EU			2700	29.585	29.585	29.585	0.0000	FC BB temp. #2 [C].
HIR_IFCBB_TMP3.....	EU			2700	29.585	30.227	29.601	0.099826	IFC BB temp. #3 [C].
HIR_IFC_REF_TMP.....	EU			2700	17.906	18.517	18.096	0.15127	IFC ref. resistor temp [C].
HIR_SM_TMP3.....	EU			2700	6.7922	6.7922	6.7922	0.0000	Scan mirror temp 3, EDAQ [C]

Current Time: 2005-354-09:29:25
 Req Start Time: 2005-353-00:00:00
 Req Stop Time: 2005-354-00:00:00

Sample Rate: All Points
 Profile Name: hir_42_ifc_vo..
 User Name: aura_daily
 Smooth Factor: 1

Spacecraft: ch_1
 Stream Name: epds

HIRDLS IFC Voltages



Y Min: -16.74907
 Y Max: 16.52192

353-06:00

353-12:00

353-18:00

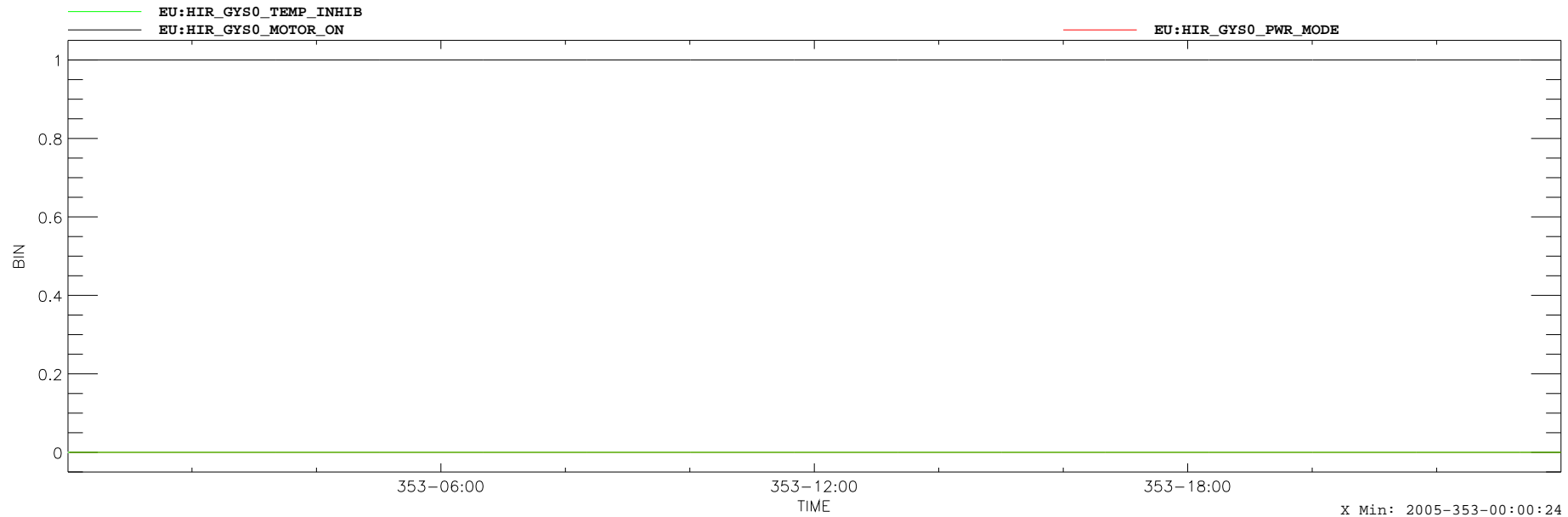
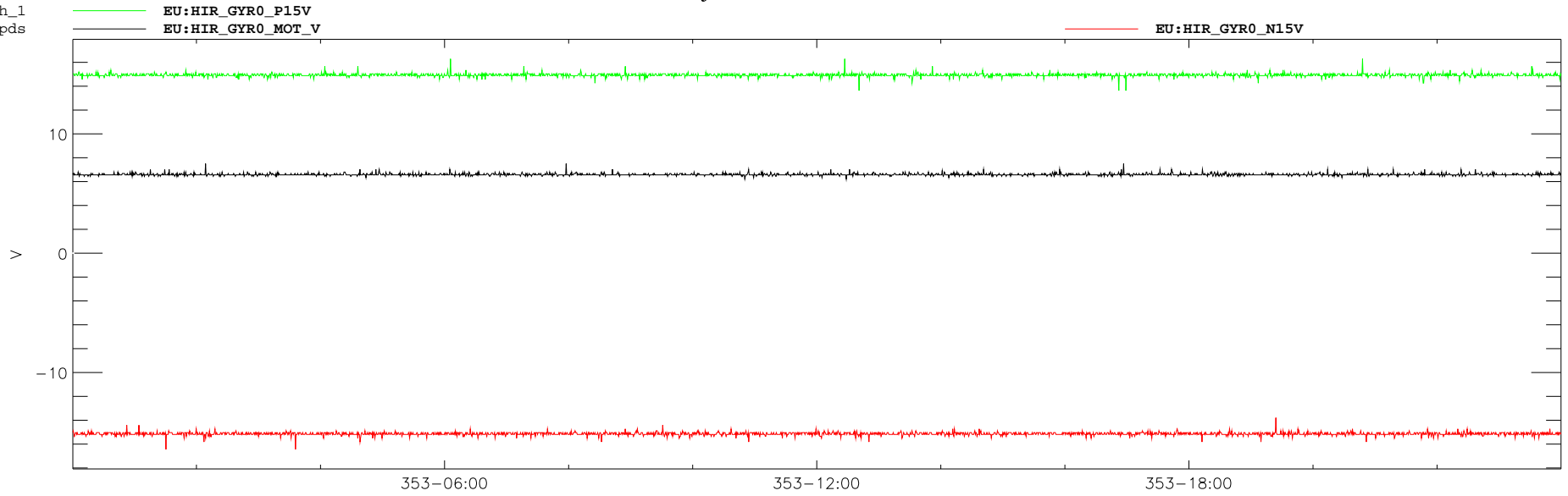
TIME

X Min: 2005-353-00:00:04
 X Max: 2005-353-23:59:36

MNEMONIC NAME	E/R	Y-Offset	S/C	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC..
HIR_IFC_PSV_N15.....	EU			2700	-15.237	-14.720	-15.023	0.099937	IFC -15V rail volts [V].
HIR_IFC_PSV_P15.....	EU			2700	15.010	15.010	15.010	0.0000	IFC +15V rail volts [V].
HIR_IFC_PSV_P5.....	EU			2700	4.8600	4.9500	4.9461	0.018253	IFC +5V rail volts [V]

HIRDLS Gyro 0 Volts and Modes

Spacecraft: ch_1
Stream Name: epds



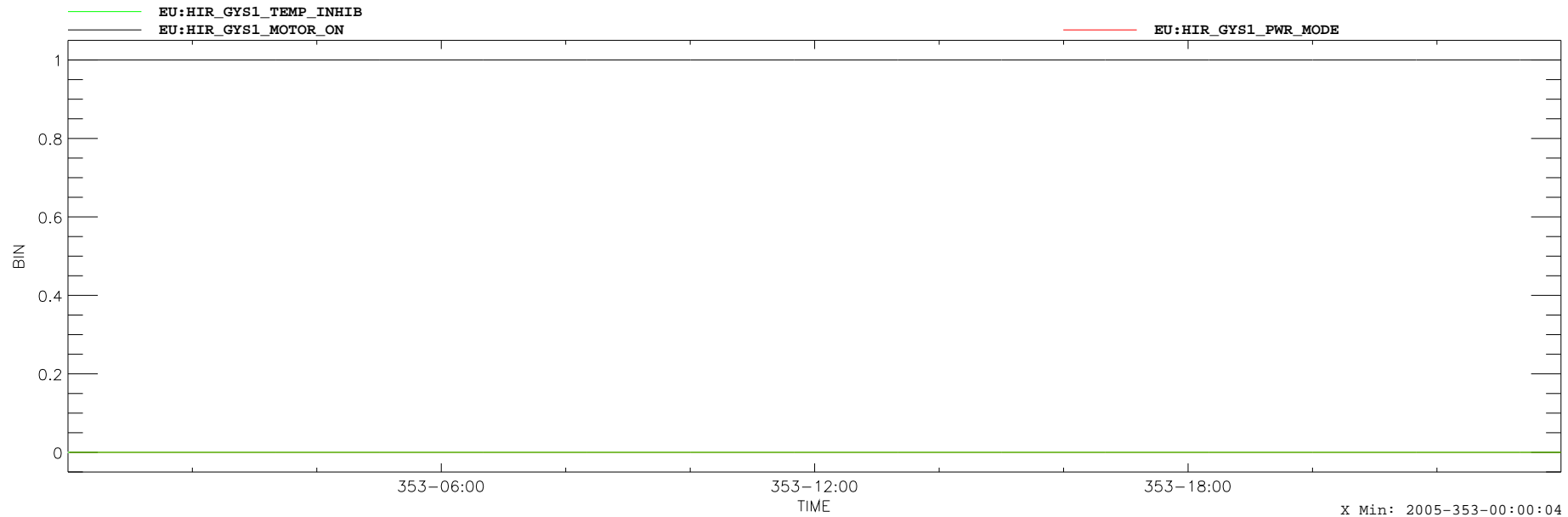
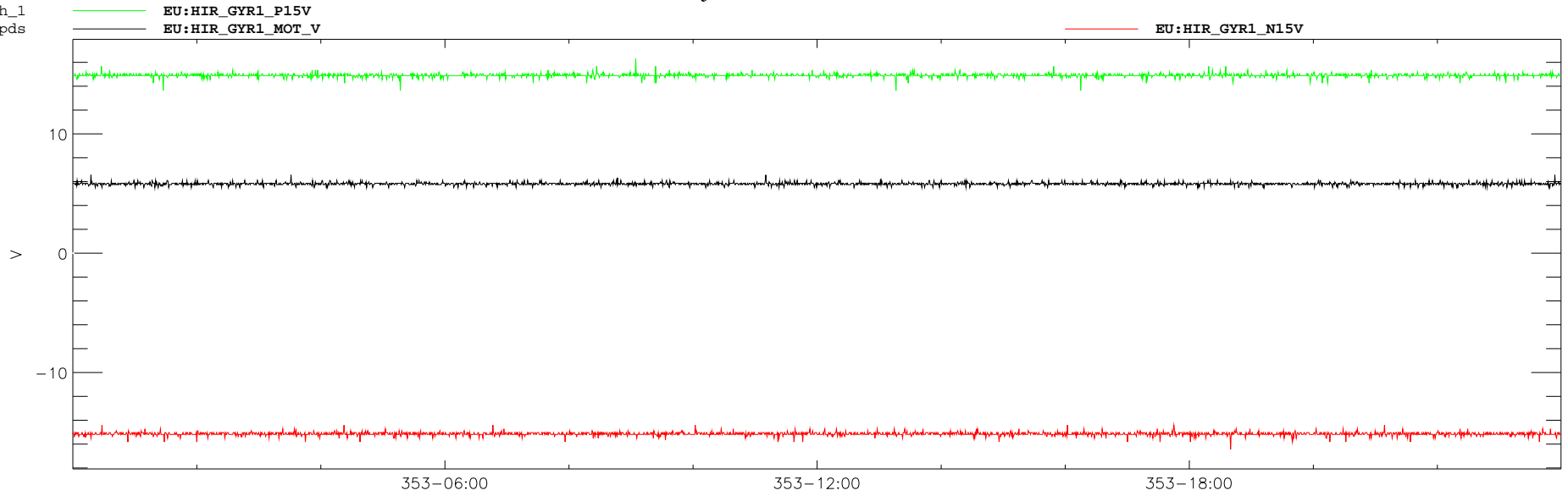
X Min: 2005-353-00:00:24
X Max: 2005-353-23:59:52

MNEMONIC NAME	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC.
EU:HIR_GYRO_MOT_V.....	2700	6.2132	7.5024	6.5925	0.090258	Gyro 0 motor volts [V]
EU:HIR_GYRO_N15V.....	2700	-16.447	-13.784	-15.139	0.12722	Gyro 0 -15 volts [V]
EU:HIR_GYRO_P15V.....	2700	13.628	16.290	14.931	0.13275	Gyro 0 +15 volts [V]
EU:HIR_GYS0_MOTOR_ON.....	10800	1.0000	1.0000	1.0000	0.0000	GYRO 0 Status, Motor st [BIN]
EU:HIR_GYS0_PWR_MODE.....	10800	0.0000	0.0000	0.0000	0.0000	GYRO 0 Status, Power Mo [BIN]
EU:HIR_GYS0_TEMP_INHIB.....	10800	0.0000	0.0000	0.0000	0.0000	GYRO 0 Status, Temperat [BIN]

Current Time: 2005-354-09:29:48
Req Start Time: 2005-353-00:00:00
Req Stop Time: 2005-354-00:00:00
Sample Rate: All Points
Profile Name: hir_43_gyrovo..
User Name: aura_daily
Smooth Factor: 1

HIRDLS Gyro 1 Volts and Modes

Spacecraft: ch_1
Stream Name: epds



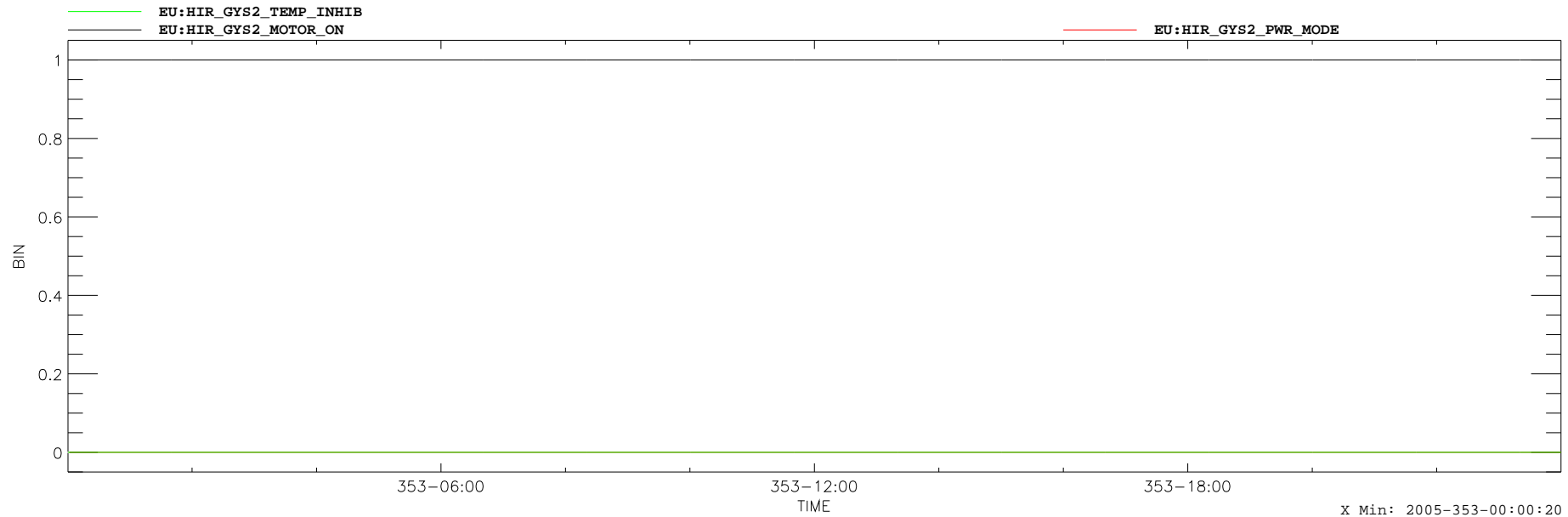
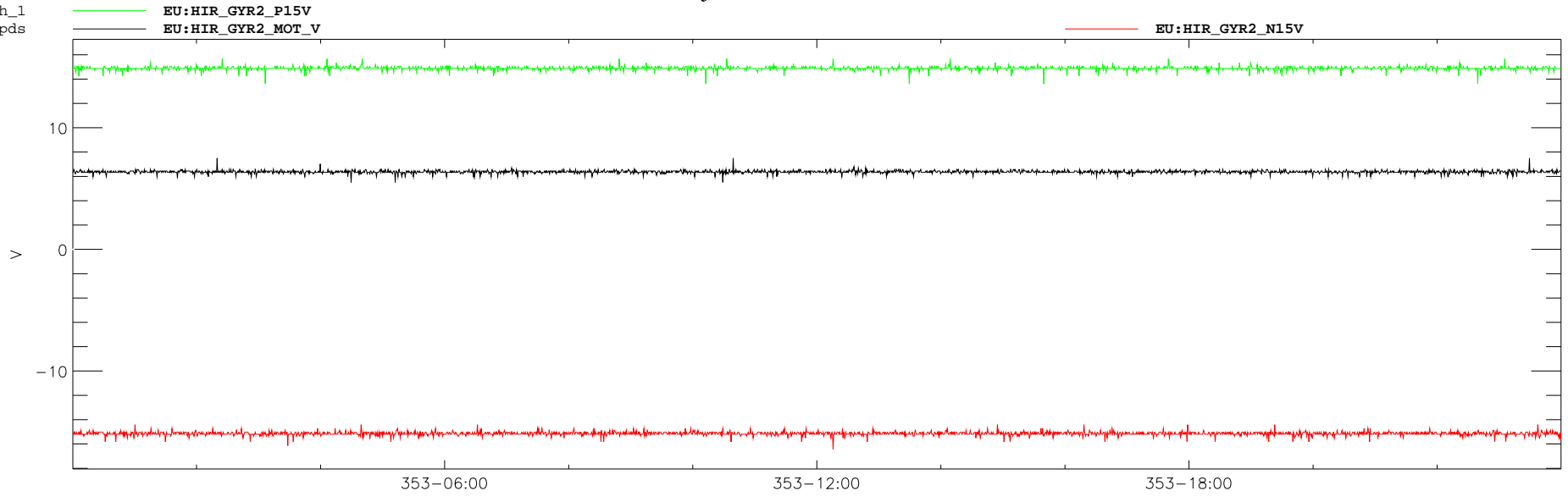
X Min: 2005-353-00:00:04
X Max: 2005-353-23:59:32

MNEMONIC NAME	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC.
EU:HIR_GYR1_MOT_V.....	2700	5.5100	6.5648	5.8156	0.11056	Gyro 1 motor volts [V]
EU:HIR_GYR1_N15V.....	2700	-16.447	-14.411	-15.146	0.13732	Gyro 1 -15 volts [V]
EU:HIR_GYR1_P15V.....	2700	13.628	16.290	14.901	0.14005	Gyro 1 +15 volts [V]
EU:HIR_GYS1_MOTOR_ON.....	10800	1.0000	1.0000	1.0000	0.0000	GYRO 1 Status, Motor st [BIN]
EU:HIR_GYS1_PWR_MODE.....	10800	0.0000	0.0000	0.0000	0.0000	GYRO 1 Status, Power Mo [BIN]
EU:HIR_GYS1_TEMP_INHIB.....	10800	0.0000	0.0000	0.0000	0.0000	GYRO 1 Status, Temperat [BIN]

Current Time: 2005-354-09:29:48
Req Start Time: 2005-353-00:00:00
Req Stop Time: 2005-354-00:00:00
Sample Rate: All Points
Profile Name: hir_43_gyrovo..
User Name: aura_daily
Smooth Factor: 1

HIRDLS Gyro 2 Volts and Modes

Spacecraft: ch_1
Stream Name: epds



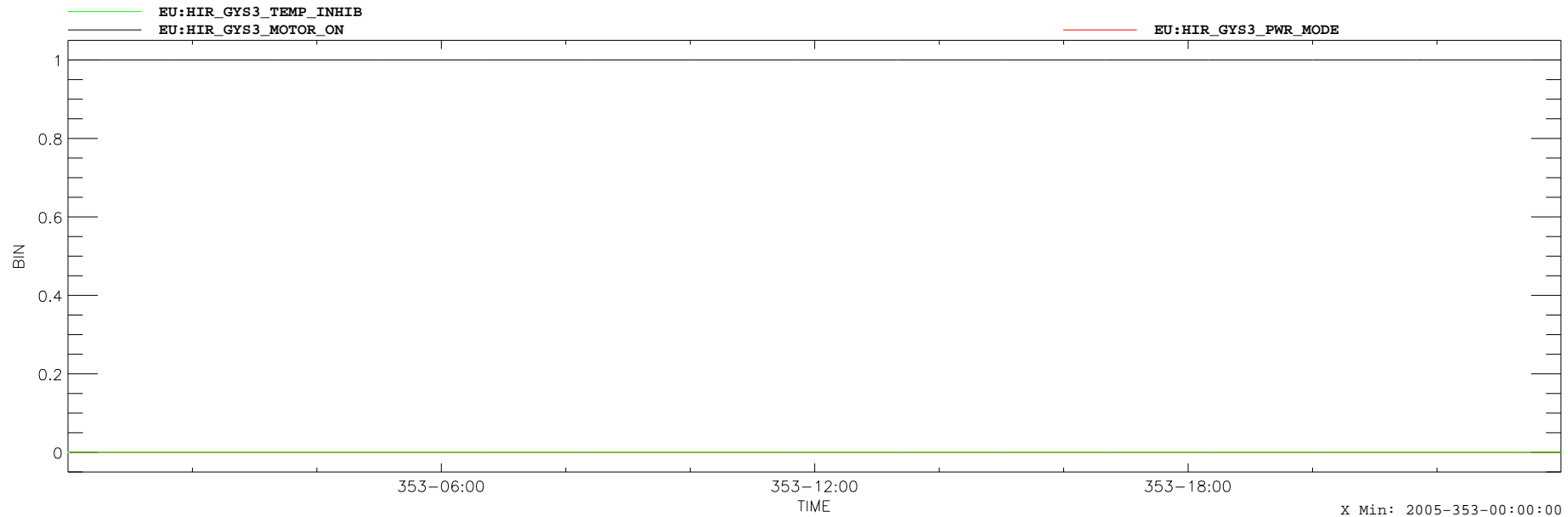
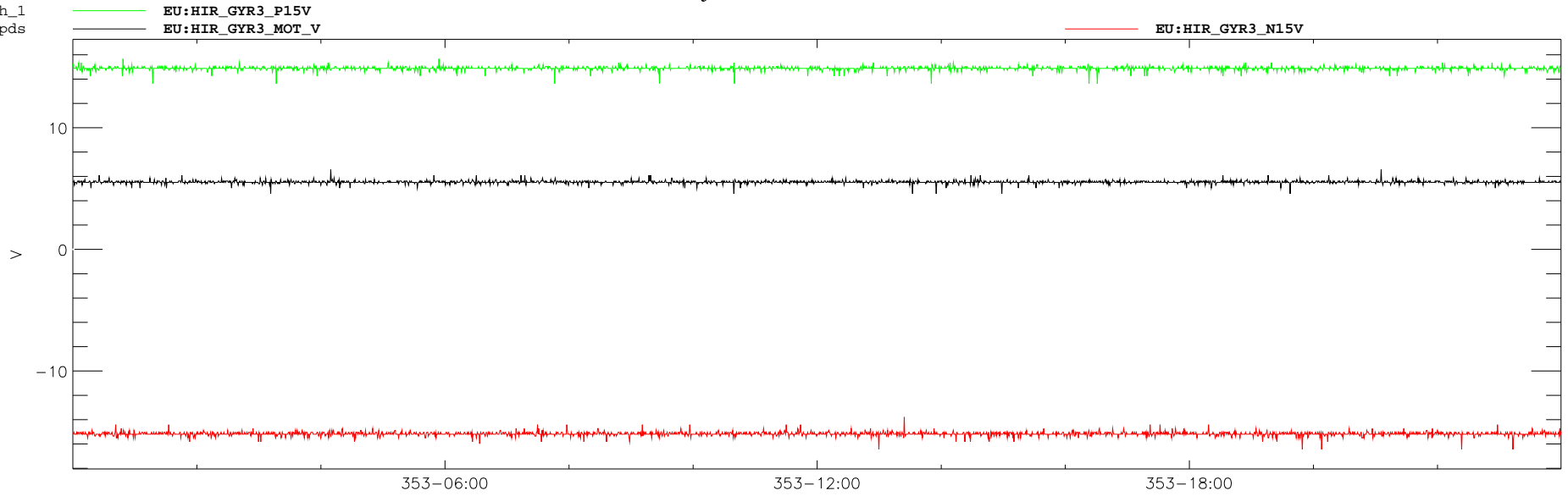
X Min: 2005-353-00:00:20
X Max: 2005-353-23:59:48

MNEMONIC NAME	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC.
EU:HIR_GYR2_MOT_V.....	2700	5.5100	7.5024	6.3746	0.11534	Gyro 2 motor volts [V]
EU:HIR_GYR2_N15V.....	2700	-16.447	-14.411	-15.142	0.14282	Gyro 2 -15 volts [V]
EU:HIR_GYR2_P15V.....	2700	13.628	15.664	14.885	0.13907	Gyro 2 +15 volts [V]
EU:HIR_GYS2_MOTOR_ON.....	10800	1.0000	1.0000	1.0000	0.0000	GYRO 2 Status, Motor st [BIN]
EU:HIR_GYS2_PWR_MODE.....	10800	0.0000	0.0000	0.0000	0.0000	GYRO 2 Status, Power Mo [BIN]
EU:HIR_GYS2_TEMP_INHIB.....	10800	0.0000	0.0000	0.0000	0.0000	GYRO 2 Status, Temperat [BIN]

Current Time:	2005-354-09:29:49
Req Start Time:	2005-353-00:00:00
Req Stop Time:	2005-354-00:00:00
Sample Rate:	All Points
Profile Name:	hir_43_gyrovo..
User Name:	aura_daily
Smooth Factor:	1

HIRDLS Gyro 3 Volts and Modes

Spacecraft: ch_1
Stream Name: epds



X Min: 2005-353-00:00:00
X Max: 2005-353-23:59:28

MNEMONIC NAME	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC.
EU:HIR_GYR3_MOT_V.....	2700	4.5724	6.5648	5.5343	0.11893	Gyro 3 motor volts [V]
EU:HIR_GYR3_N15V.....	2700	-16.447	-13.784	-15.165	0.15545	Gyro 3 -15 volts [V]
EU:HIR_GYR3_P15V.....	2700	13.628	15.664	14.879	0.14231	Gyro 3 +15 volts [V]
EU:HIR_GYS3_MOTOR_ON.....	10800	1.0000	1.0000	1.0000	0.0000	GYRO 3 Status, Motor st [BIN]
EU:HIR_GYS3_PWR_MODE.....	10800	0.0000	0.0000	0.0000	0.0000	GYRO 3 Status, Power Mo [BIN]
EU:HIR_GYS3_TEMP_INHIB.....	10800	0.0000	0.0000	0.0000	0.0000	GYRO 3 Status, Temperat [BIN]

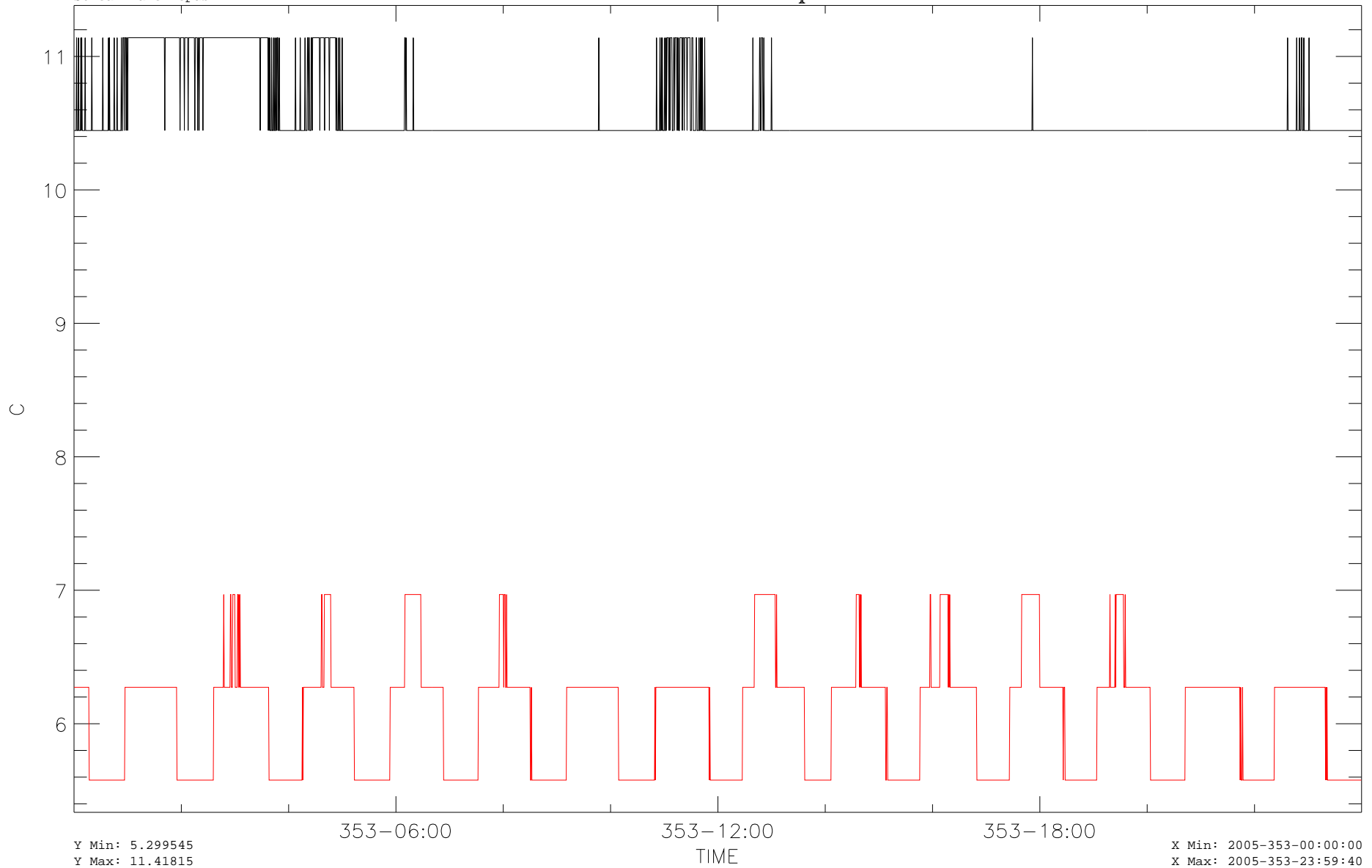
Current Time: 2005-354-09:29:49
Req Start Time: 2005-353-00:00:00
Req Stop Time: 2005-354-00:00:00
Sample Rate: All Points
Profile Name: hir_43_gyovo..
User Name: aura_daily
Smooth Factor: 1

Current Time: 2005-354-09:30:03
 Req Start Time: 2005-353-00:00:00
 Req Stop Time: 2005-354-00:00:00

Sample Rate: All Points
 Profile Name: hir_51_scanne..
 User Name: aura_daily
 Smooth Factor: 1

Spacecraft: ch_1
 Stream Name: epds

HIRDLS Scanner Temperatures



Y Min: 5.299545
 Y Max: 11.41815

X Min: 2005-353-00:00:00
 X Max: 2005-353-23:59:40

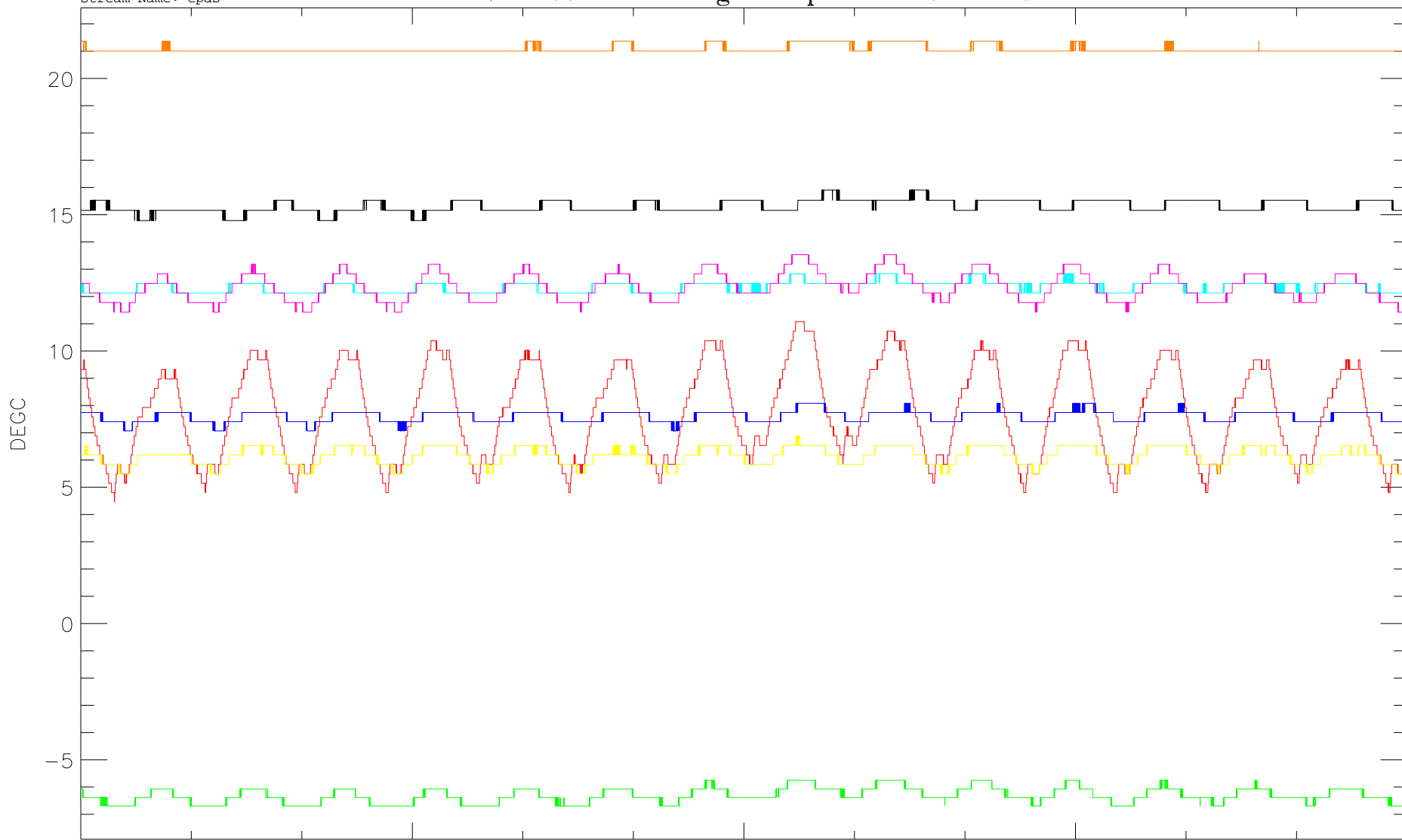
MNEMONIC NAME	E/R Y-Offset	S/C	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC..
HIR_AZ_HSG_TMP_2	EU		2700	10.445	11.140	10.560	0.25824	Azimuth housing temp 2 [C].
HIR_SMA_MTRING_TMP	EU		2700	5.5777	6.9683	6.0502	0.42362	SMA mount ring temp [C]

Current Time: 2005-354-09:30:20
 Req Start Time: 2005-353-00:00:00
 Req Stop Time: 2005-354-00:00:00

Sample Rate: All Points
 Profile Name: hir_53_pa_a-L..
 User Name: aura_daily
 Smooth Factor: 1

Spacecraft: ch_1
 Stream Name: epds

HIRDLS Passive Analog Temperatures – A side



Y Min: -8.098206
 Y Max: 22.77106

X Min: 2005-353-00:00:00
 X Max: 2005-353-23:59:59

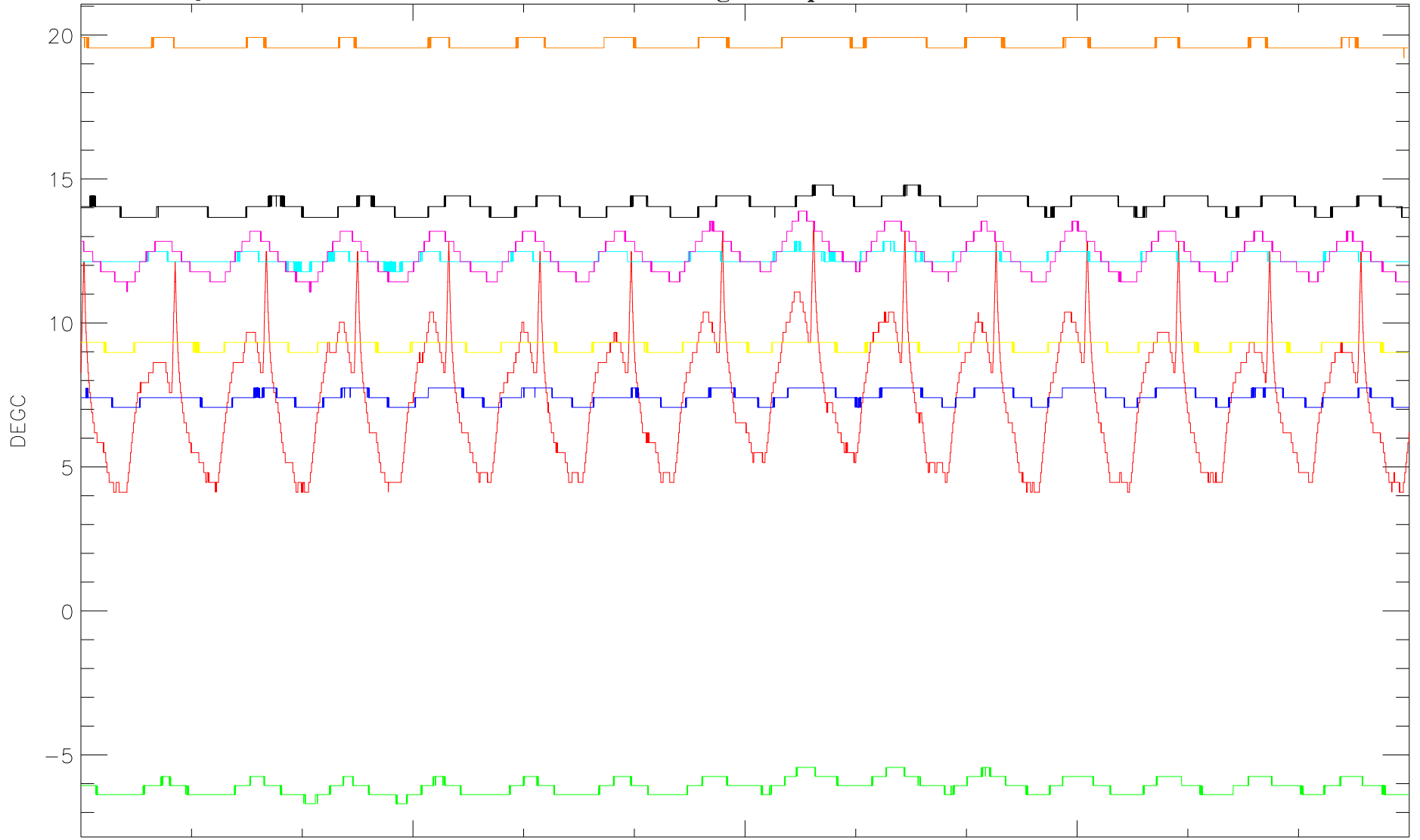
MNEMONIC NAME	E/R	Y-Offset	S/C	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC..
HIR_TP_ABEU_TEMP.....	EU			10800	14.786	15.904	15.318	0.23084	HIRDLS A BEUTEMP Passi [DEGC].
HIR_TP_ACCU_TEMP.....	EU			10800	4.4619	11.076	7.7355	1.6916	HIRDLS A CCUTEMP Passi [DEGC].
HIR_TP_ACMPSR_TMP.....	EU			10800	-6.6951	-5.7513	-6.3079	0.28028	HIRDLS A CMPSRTEMP Pa [DEGC].
HIR_TP_AIFC_BB_TMP.....	EU			10800	7.0691	8.0817	7.6057	0.20525	HIRDLS A IFCBBTEMP Pas [DEGC].
HIR_TP_AIPU_TEMP.....	EU			10800	12.129	12.831	12.350	0.19943	HIRDLS A IPUTEMP Passi [DEGC].
HIR_TP_APCU_TEMP.....	EU			10800	11.427	13.534	12.353	0.50969	HIRDLS A PCUTEMP Passi [DEGC].
HIR_TP_ASMA_MNT_TMP.....	EU			10800	5.4957	6.8821	6.1456	0.32261	HIRDLS A SMAMNTTEMP Pa [DEGC].
HIR_TP_ATEU_TEMP.....	EU			10800	21.002	21.368	21.068	0.14013	HIRDLS A TEUTEMP Passi [DEGC].

Current Time: 2005-354-09:30:37
 Req Start Time: 2005-353-00:00:00
 Req Stop Time: 2005-354-00:00:00

Sample Rate: All Points
 Profile Name: hir_55_pa_b-L..
 User Name: aura_daily
 Smooth Factor: 1

Spacecraft: ch_1
 Stream Name: epds

HIRDLS Passive Analog Temperatures - B side



Y Min: -8.02559
 Y Max: 21.24548

X Min: 2005-353-00:00:00
 X Max: 2005-353-23:59:59

MNEMONIC NAME	E/R	Y-Offset	S/C	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC..
HIR_TP_BBEU_TEMP.....	EU			10800	13.666	14.786	14.100	0.28830	HIRDLS B BEUTEMP Passi [DEGC].
HIR_TP_BCCU_TEMP.....	EU			10800	4.1186	13.534	7.3579	2.0732	HIRDLS B CCUTEMP Passi [DEGC].
HIR_TP_BCMPSR_TEMP.....	EU			10800	-6.6951	-5.4357	-6.0938	0.27463	HIRDLS B CMPSRTEMP Pa [DEGC].
HIR_TP_BIFC_BB_TEMP.....	EU			10800	7.0691	7.7441	7.4347	0.24022	HIRDLS B IFCBBTEMP Pas [DEGC].
HIR_TP_BIPU_TEMP.....	EU			10800	11.778	12.831	12.252	0.18822	HIRDLS B IPUTEMP Passi [DEGC].
HIR_TP_BPCU_TEMP.....	EU			10800	11.076	13.886	12.335	0.61820	HIRDLS B PCUTEMP Passi [DEGC].
HIR_TP_BSMA_MNT_TEMP.....	EU			10800	8.9744	9.3242	9.1977	0.16808	HIRDLS B SMAMNTEMP Pa [DEGC].
HIR_TP_BTEU_TEMP.....	EU			10800	19.196	19.915	19.671	0.16841	HIRDLS B TEUTEMP Passi [DEGC].

Current Time: 2005-354-09:30:51
 Req Start Time: 2005-353-00:00:00
 Req Stop Time: 2005-354-00:00:00

Sample Rate: All Points
 Profile Name: hir_57_spu_vo..
 User Name: aura_daily
 Smooth Factor: 1

Spacecraft: ch_1
 Stream Name: epds

HIRDLS SPU Voltages Side A



Y Min: -0.2432360
 Y Max: -0.09768400

X Min: 2005-353-00:00:04
 X Max: 2005-353-23:59:48

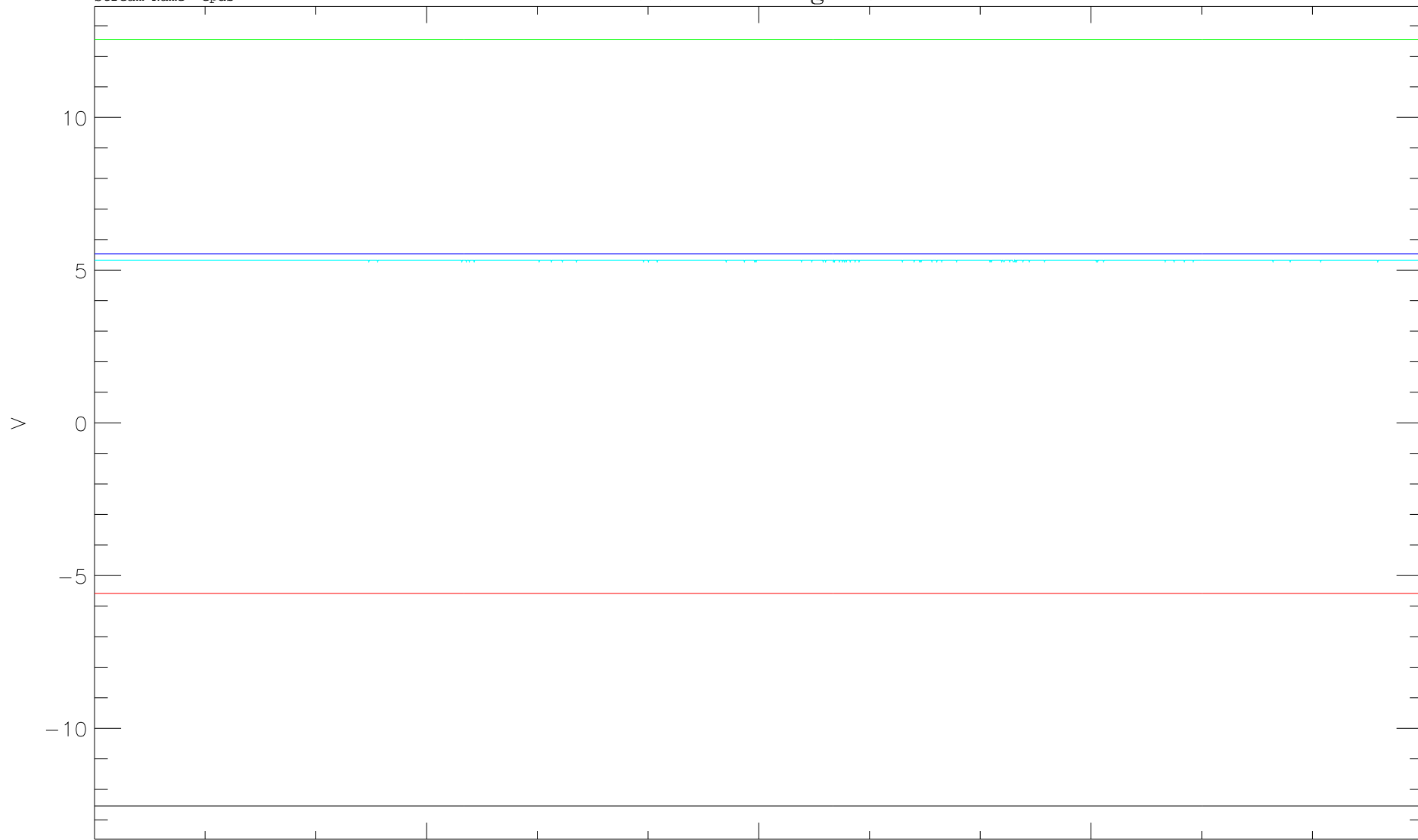
MNEMONIC NAME	E/R	Y-Offset	S/C	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC.
HIR_SPU_N12V_A.....	EU			2700	-0.23662	-0.23662	-0.23662	0.0000	SPU -12VA supply volts [V].
HIR_SPU_N5V_A.....	EU			2700	-0.10430	-0.10430	-0.10430	0.0000	SPU -5VA supply volts (an [V].
HIR_SPU_P12V_A.....	EU			2700	-0.23662	-0.23662	-0.23662	0.0000	SPU +12VA supply volts [V].
HIR_SPU_P5V_A.....	EU			2700	-0.10430	-0.10430	-0.10430	0.0000	SPU +5VA supply volts (an [V].
HIR_SPU_P5V_DA.....	EU			2700	-0.10430	-0.10430	-0.10430	0.0000	SPU +5VA supply volts (di [V]

Current Time: 2005-354-09:31:05
 Req Start Time: 2005-353-00:00:00
 Req Stop Time: 2005-354-00:00:00

Sample Rate: All Points
 Profile Name: hir_59_spu_vo..
 User Name: aura_daily
 Smooth Factor: 1

Spacecraft: ch_1
 Stream Name: epds

HIRDLS SPU Voltages Side B



Y Min: -13.79689
 Y Max: 13.79696

X Min: 2005-353-00:00:08
 X Max: 2005-353-23:59:52

MNEMONIC NAME	E/R	Y-Offset	S/C	SAMPLES	MINIMUM	MAXIMUM	AVERAGE	STD DEV	DESC..
HIR_SPU_N12V_B.....	EU			2700	-12.543	-12.543	-12.543	0.0000	SPU -12VB supply volts [V].
HIR_SPU_N5V_B.....	EU			2700	-5.5827	-5.5827	-5.5827	0.0000	SPU -5VB supply volts (an [V].
HIR_SPU_P12V_B.....	EU			2700	12.543	12.543	12.543	0.0000	SPU +12VB supply volts [V].
HIR_SPU_P5V_B.....	EU			2700	5.5306	5.5306	5.5306	0.0000	SPU +5VB supply volts (an [V].
HIR_SPU_P5V_DB.....	EU			2700	5.2697	5.3219	5.3207	0.0078778	SPU +5VB supply volts (di [V]