

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11241 - L2 Version 2
Chandra X-Ray Center

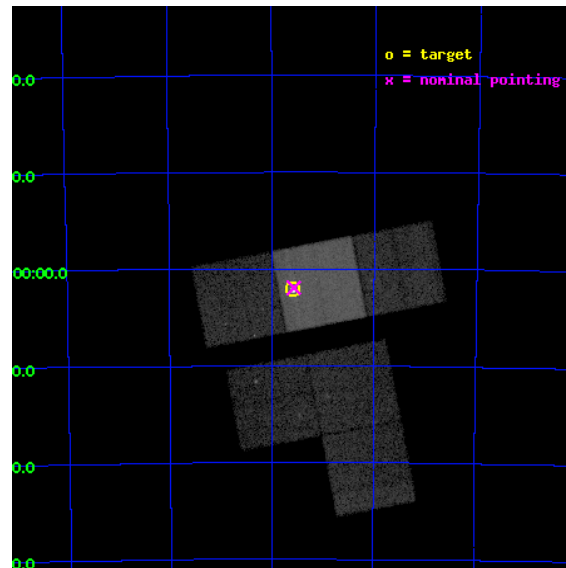
L2 Processing Date : Jun 18 2012

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1 Front

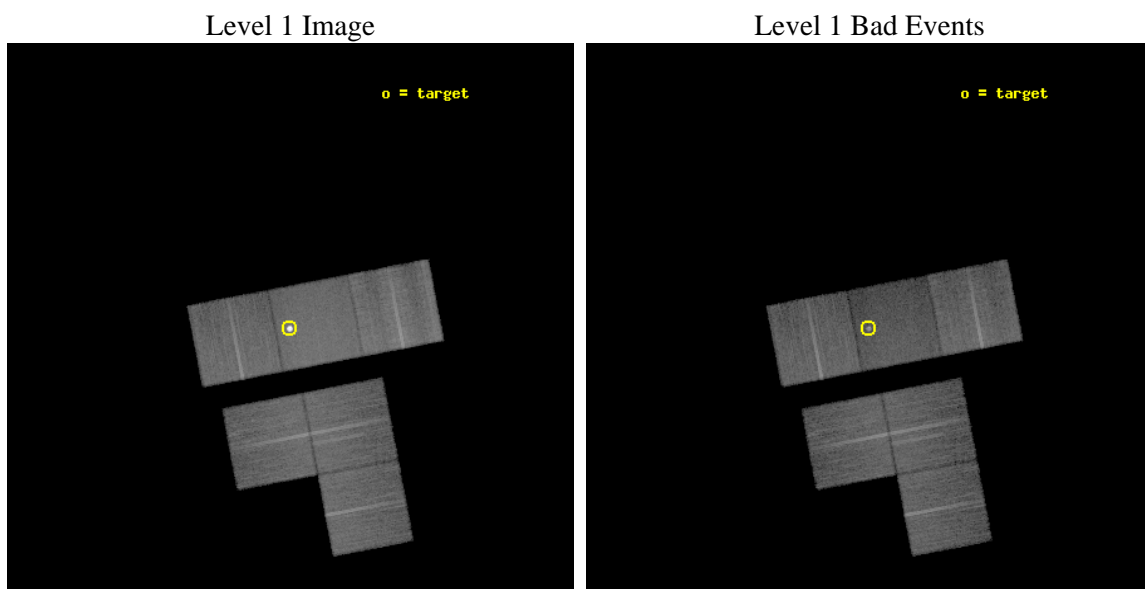
seq_num	501326	Sequence number
obs_id	11241	Observation id
title	The Proper Motion of SNR E0519-69.0	Proposal title
observer	Prof. John Hughes	Principal investigator
object	SNR E0519-69.0	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	79.895417	Observer's specified target RA [deg]
dec_targ	-69.035278	Observer's specified target Dec [deg]
ra_nom	79.892103896478	Nominal RA [deg]
dec_nom	-69.032457559198	Nominal Dec [deg]
roll_nom	349.15352811495	Nominal Roll [deg]
revision	2	Processing version of data
ontime	16306.554775953	Sum of GTIs [s]
livetime	16100.071360752	Livetime [s]
ontime1	16306.595815957	Sum of GTIs [s]
ontime2	16306.39061594	Sum of GTIs [s]
ontime3	16306.472695947	Sum of GTIs [s]
ontime6	16306.51373595	Sum of GTIs [s]
ontime7	16306.554775953	Sum of GTIs [s]
ontime8	16299.949705243	Sum of GTIs [s]
l2events	206303	Number of level 2 events



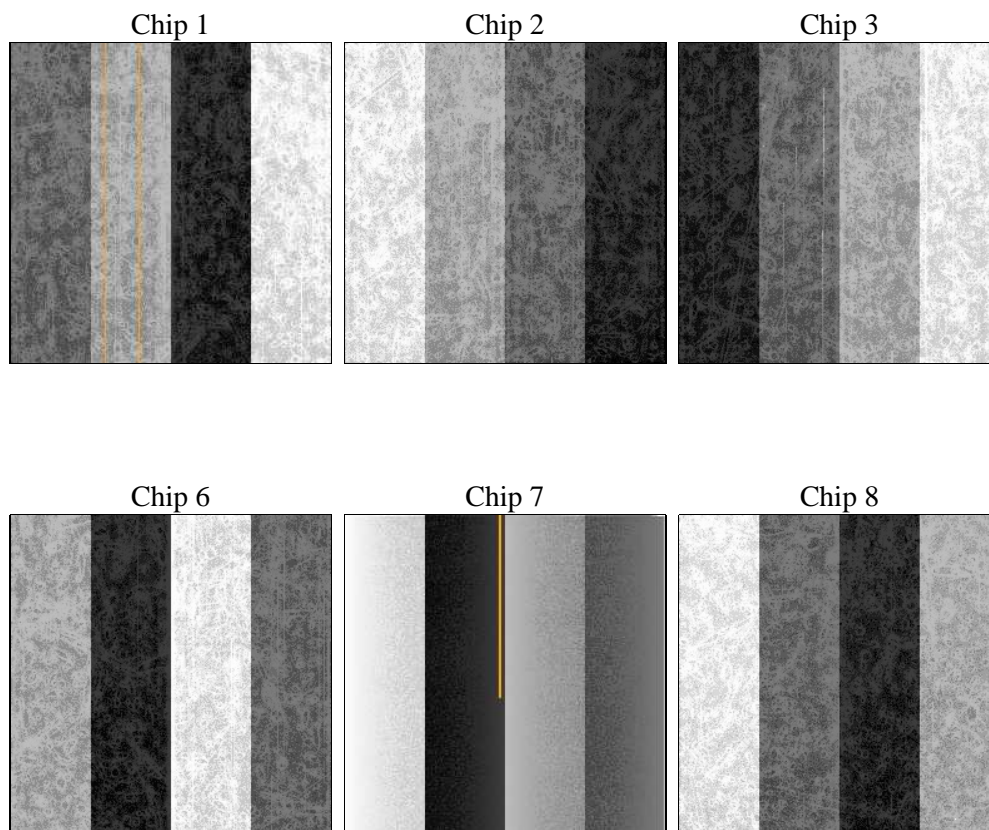
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	16360.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	16306.554775953	Sum of GTIs [s]
caldsver	4.4.10	 	ontime1	16306.595815957	Sum of GTIs [s]
date	2012-06-18T19:14:03	Date and time of file creation	ontime2	16306.39061594	Sum of GTIs [s]
revision	2	Processing version of data	ontime3	16306.472695947	Sum of GTIs [s]
			ontime6	16306.51373595	Sum of GTIs [s]
			ontime7	16306.554775953	Sum of GTIs [s]
			ontime8	16299.949705243	Sum of GTIs [s]
			l1events	981264	Number of level 1 events

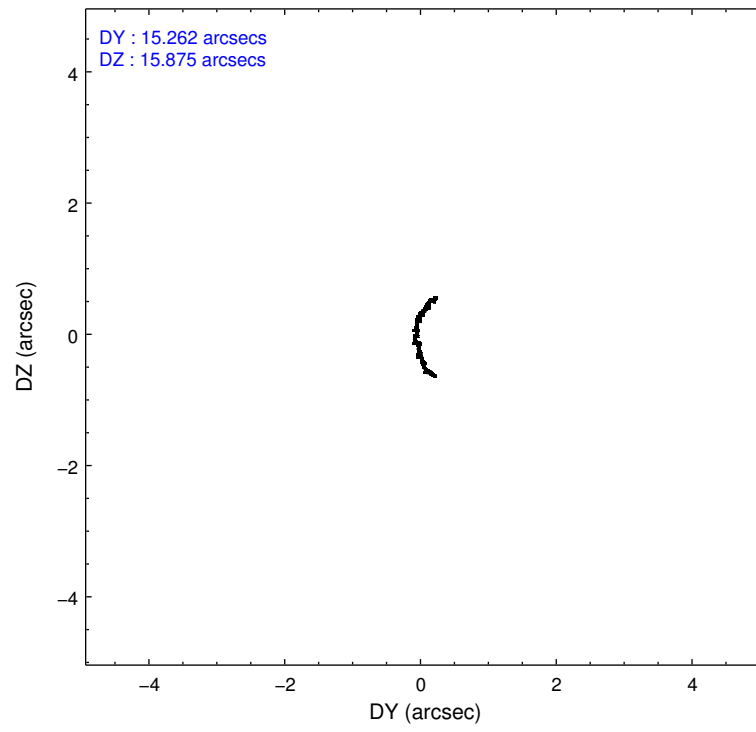
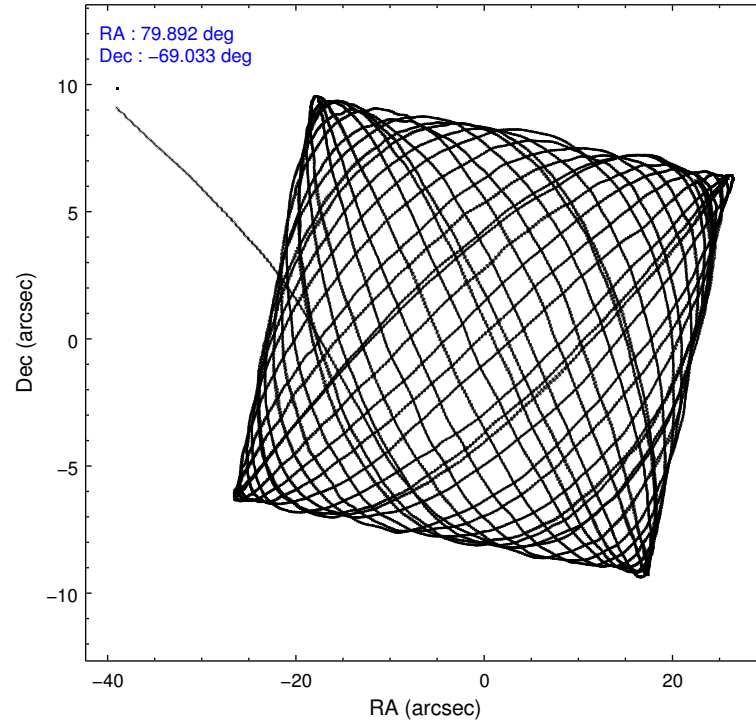
2.1.4 Events

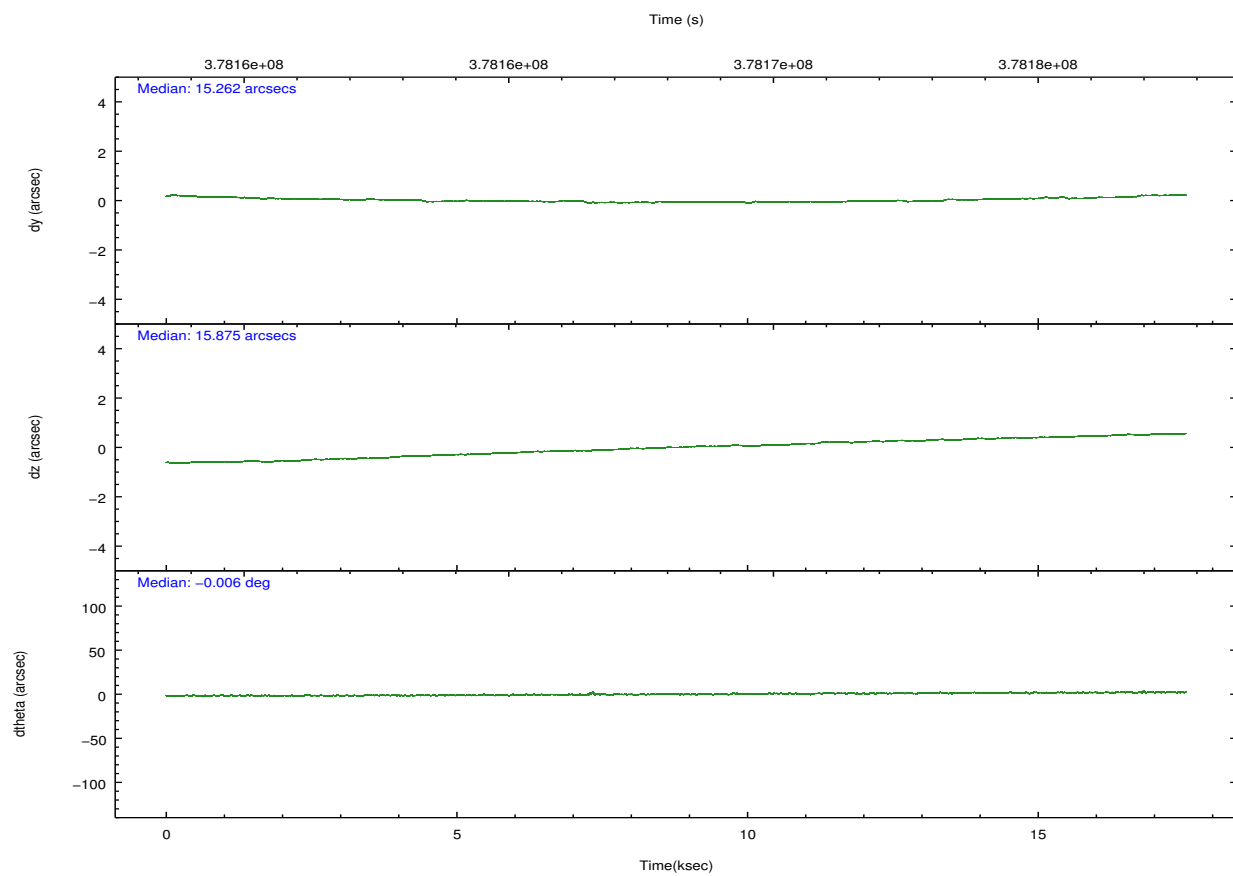
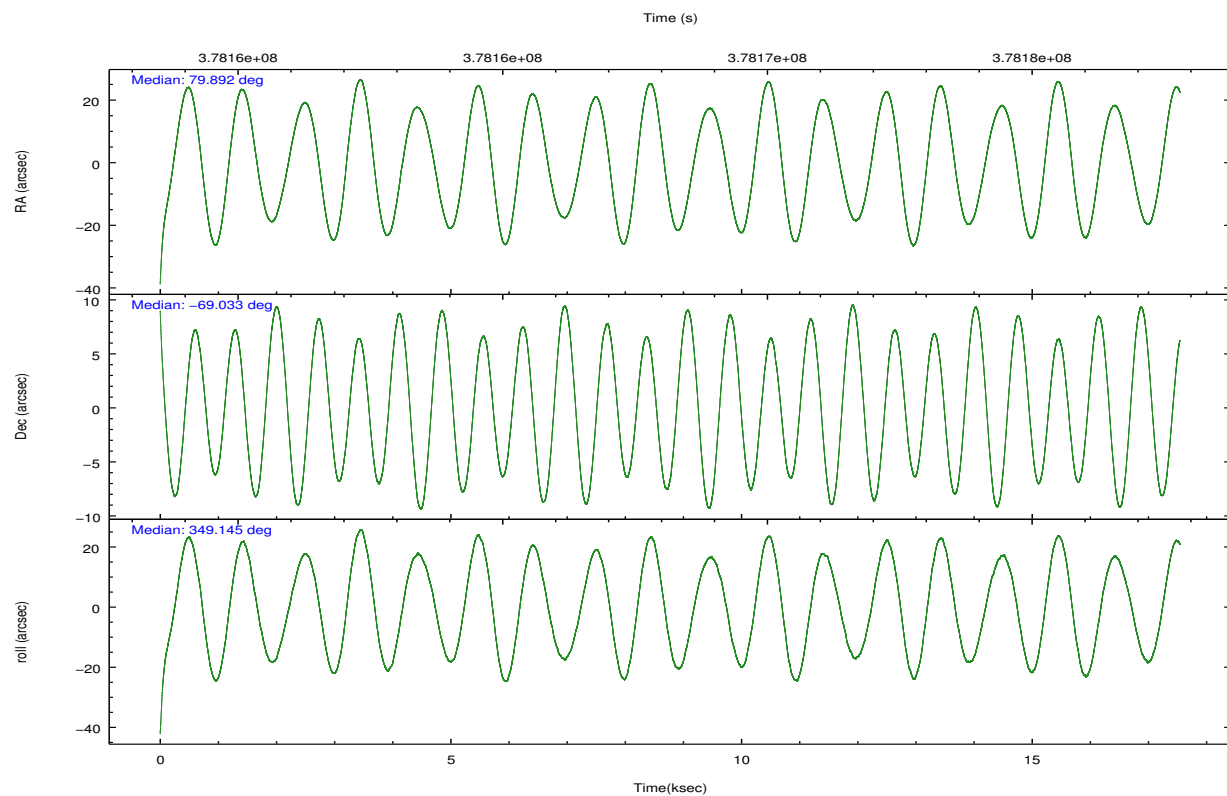
	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8		ccd 1	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	138107	142094	138416	148311	229694	184642	grade 0 events	6633	5805	5519	6472	26387	14284
rejected events	120915	127288	124086	131662	90466	137811		4%	4%	3%	4%	11%	7%
rejected %	87%	89%	89%	88%	39%	74%	grade 1 events	88	86	94	70	465	182
								0%	0%	0%	0%	0%	0%
							grade 2 events	3824	3458	3045	3534	33650	10791
								2%	2%	2%	2%	14%	5%
							grade 3 events	1669	1505	1478	1669	14803	4915
								1%	1%	1%	1%	6%	2%
							grade 4 events	1750	1473	1512	1579	14330	4439
								1%	1%	1%	1%	6%	2%
							grade 5 events	5891	4955	5814	5927	17962	8521
								4%	3%	4%	3%	7%	4%
							grade 6 events	3320	2568	2779	3403	50102	12446
								2%	1%	2%	2%	21%	6%
							grade 7 events	114932	122244	118175	125657	71995	129064
								83%	86%	85%	84%	31%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-123678	ACIS-123678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	O2	Y
[deg] Pointing RA	79.820214	79.89210389647847	CCD I2 on	Y	Y
[deg] Pointing Dec	-69.041733	-69.03245755919787	CCD I3 on	Y	Y
[deg] Pointing Roll	348.929771	349.1535281149548	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O1	Y
[s] Observation start time (MET)	378160573.184000	378158469.25977	CCD S5 on	N	N
Observation start date	2009-12-25T20:35:07	2009-12-25T20:01:09	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	378176933.184000	378177819.72324	On-chip summing requested	N	N
Observation end date	2009-12-26T01:07:47	2009-12-26T01:23:39	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



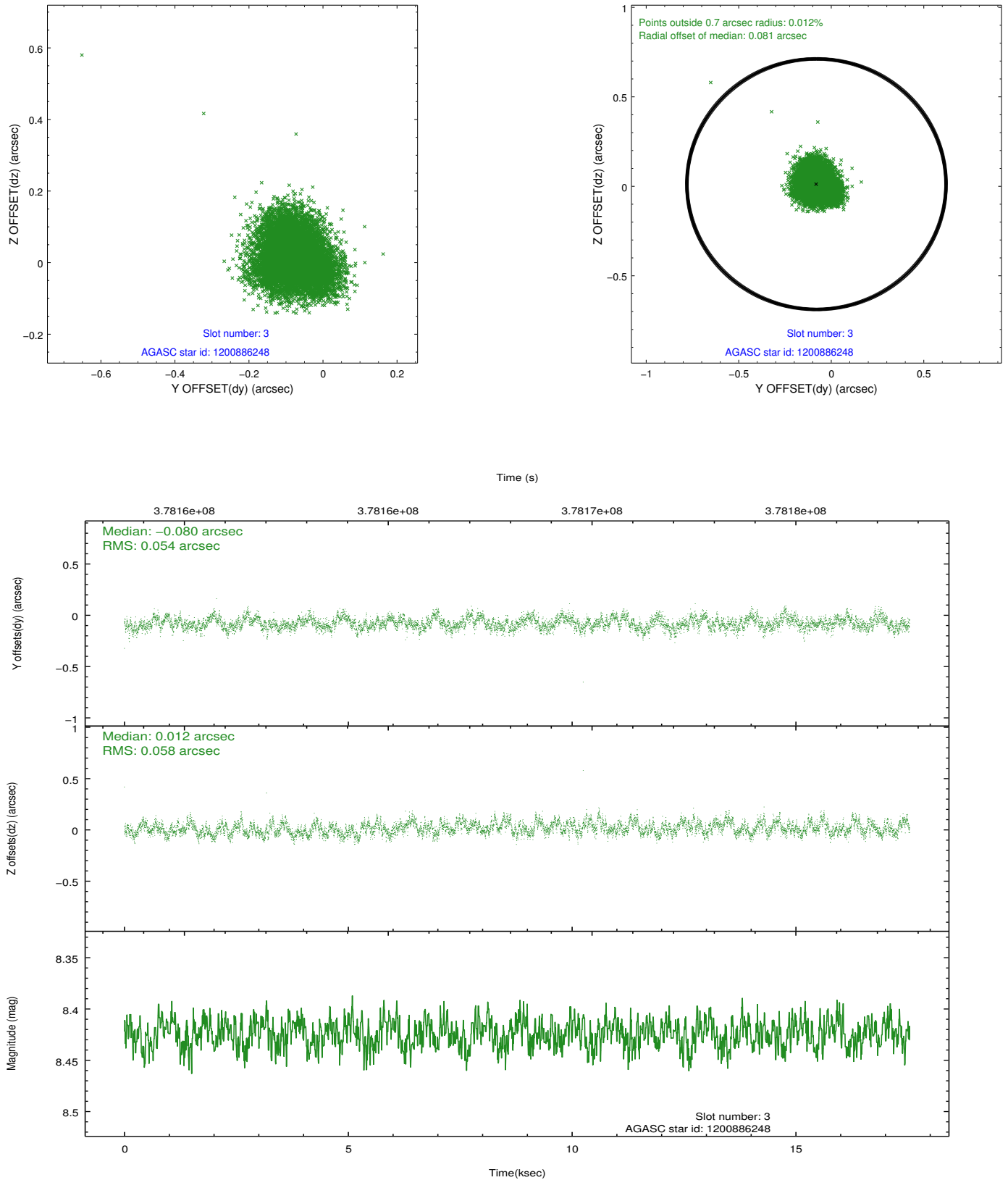


Slot Statistics

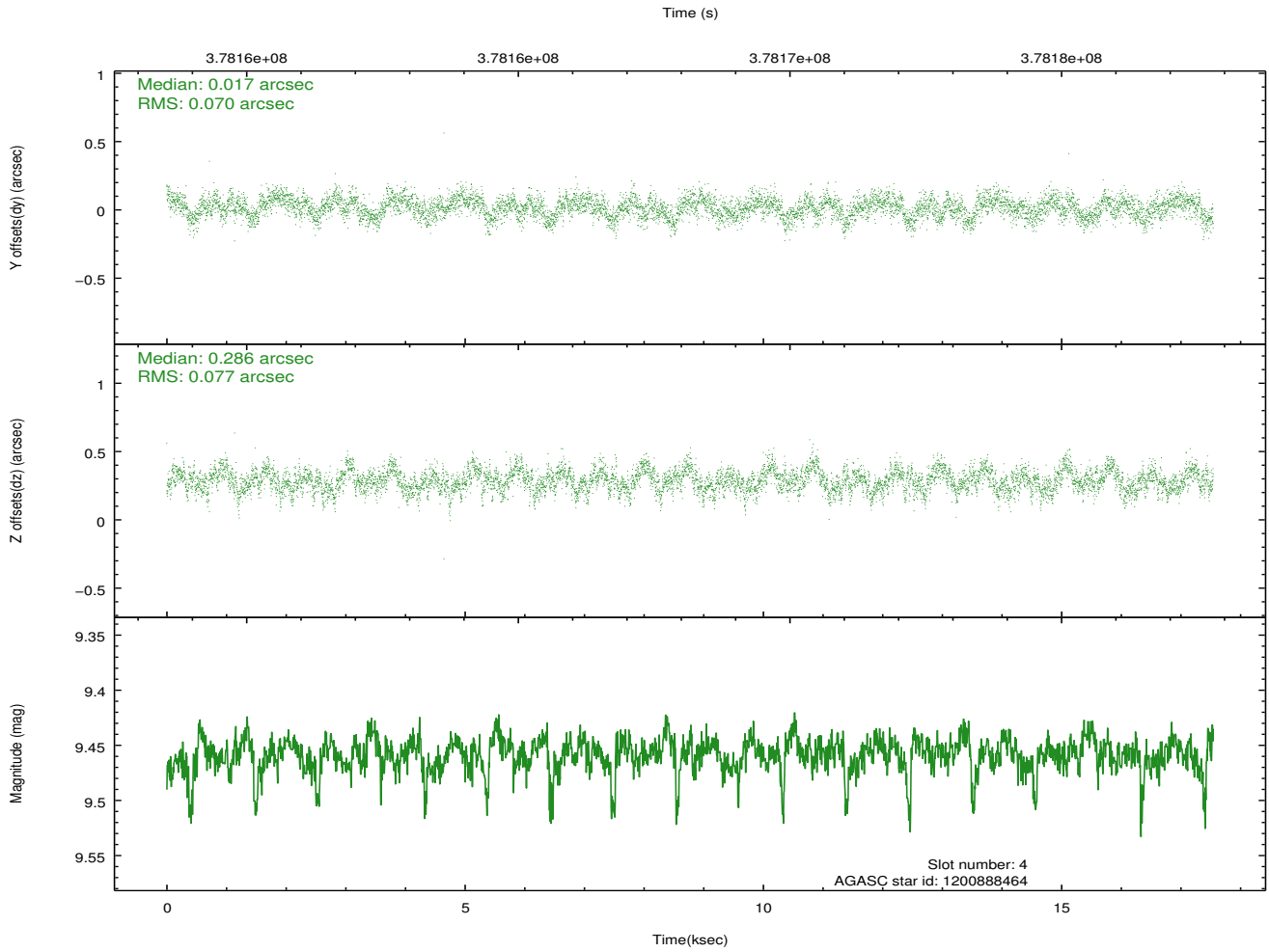
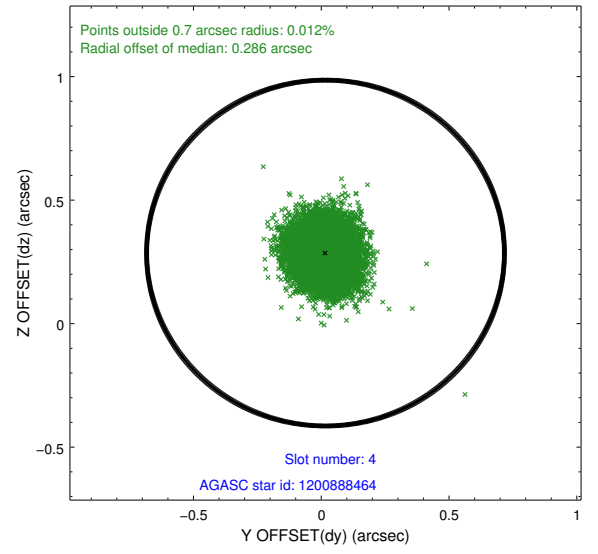
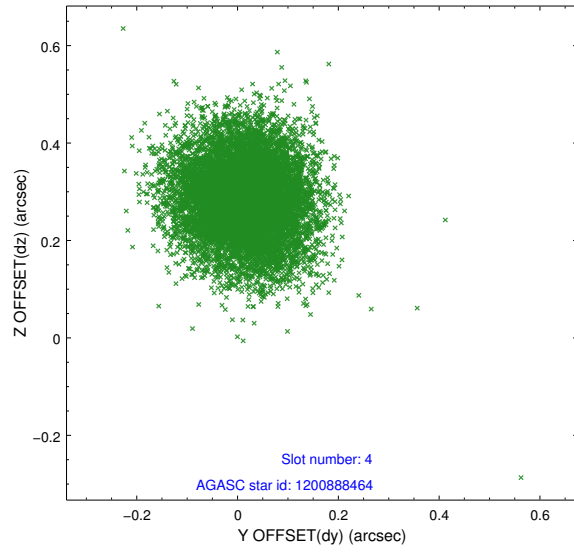
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.95	4279	0.023	-0.066	0.026	0.043	0.000000	0.000000	927.79	-1732.94
1	FID	ACIS-S-4	6.97	4279	0.141	0.038	0.013	0.021	0.000000	0.000000	2145.44	171.08
2	FID	ACIS-S-5	6.99	4279	-0.195	0.040	0.018	0.031	0.000000	0.000000	-1821.00	164.91
3	GUIDE	1200886248	8.42	8555	-0.080	0.012	0.084	0.133	79.513576	-68.465750	-795.64	1956.42
4	GUIDE	1200888464	9.46	8546	0.017	0.286	0.110	0.176	78.430687	-69.005633	-1779.46	-235.87
5	GUIDE	1201280984	7.02	8557	-0.089	-0.224	0.070	0.107	77.867422	-69.546090	-2054.15	-2292.22
6	GUIDE	1201409312	9.22	8546	0.006	-0.077	0.112	0.183	80.915231	-69.503059	1676.07	-1376.59
7	GUIDE	1201411288	9.24	8543	0.147	-0.000	0.118	0.196	81.410076	-69.595403	2346.59	-1597.51

2.4 Star Slots

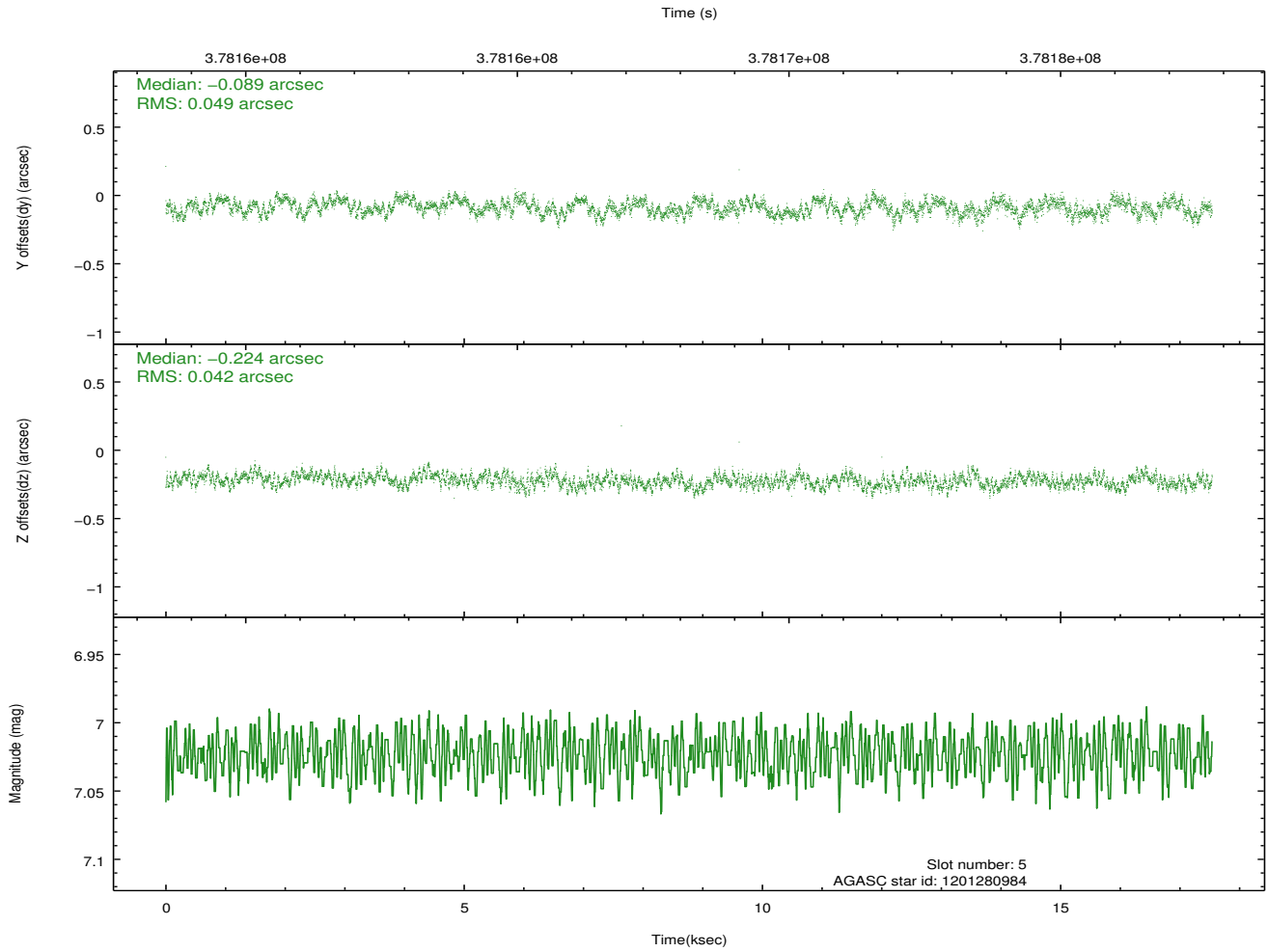
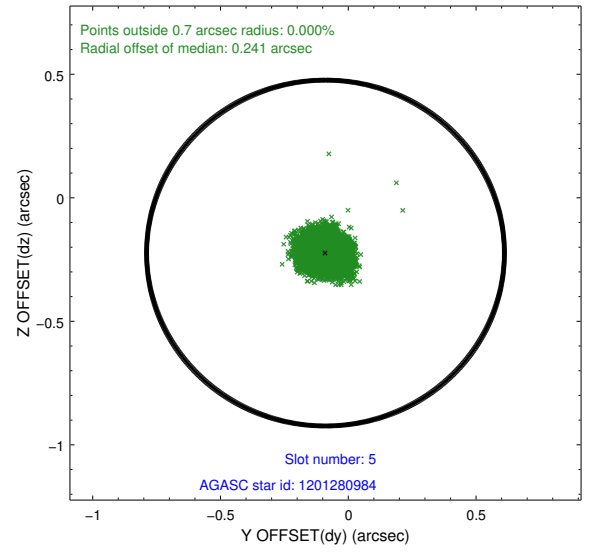
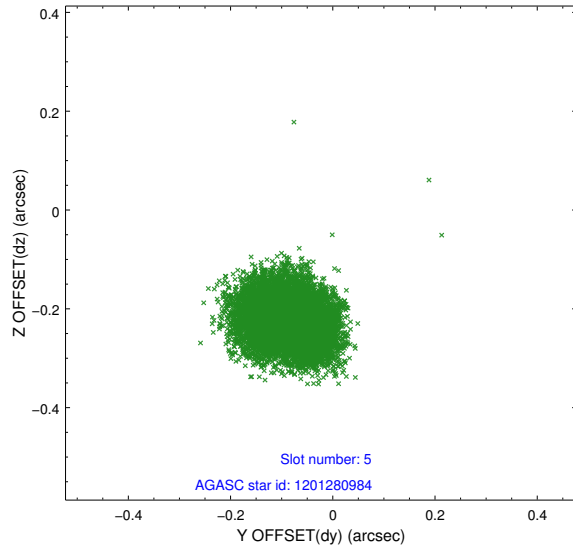
2.4.1 Slot 3



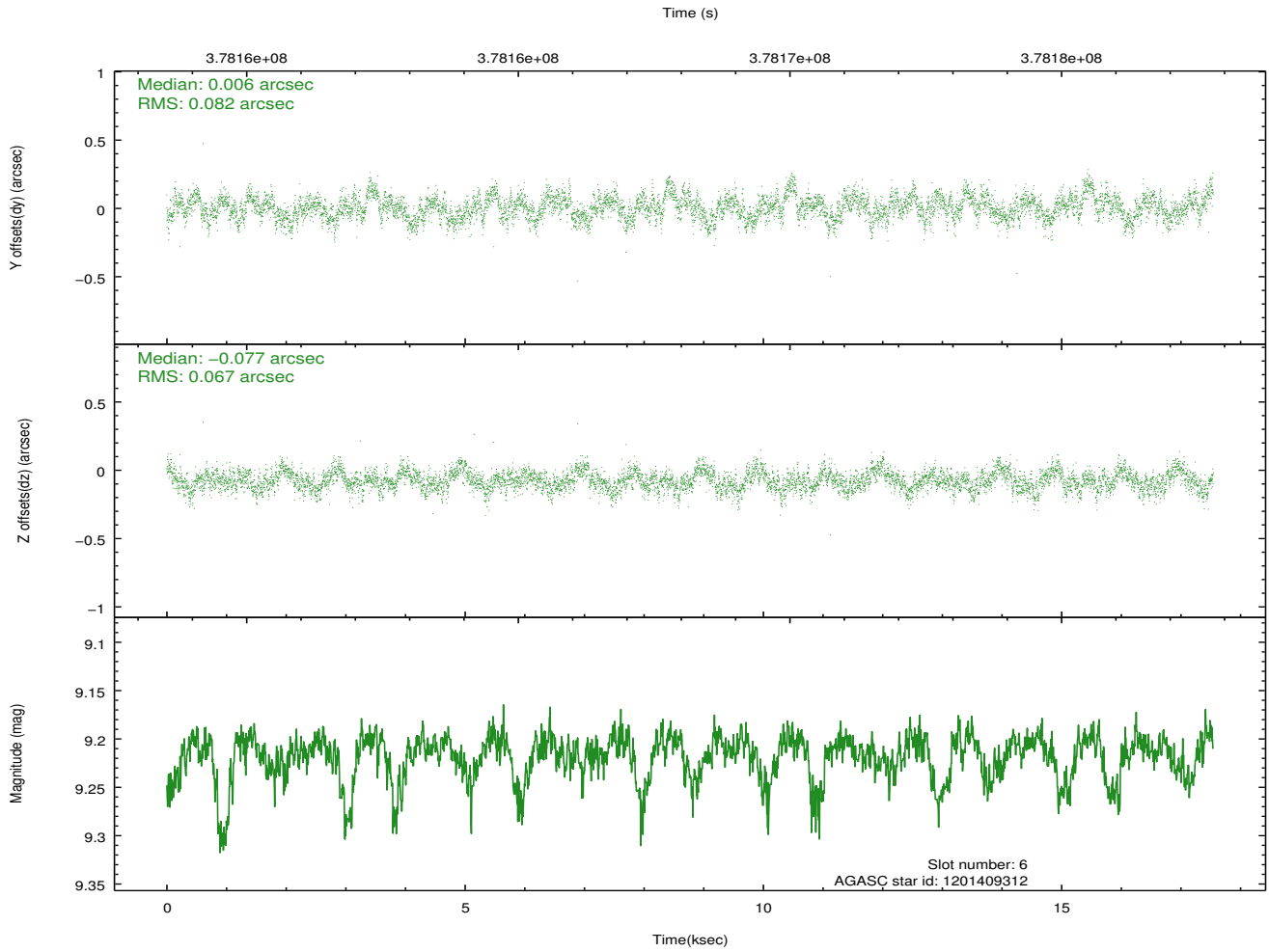
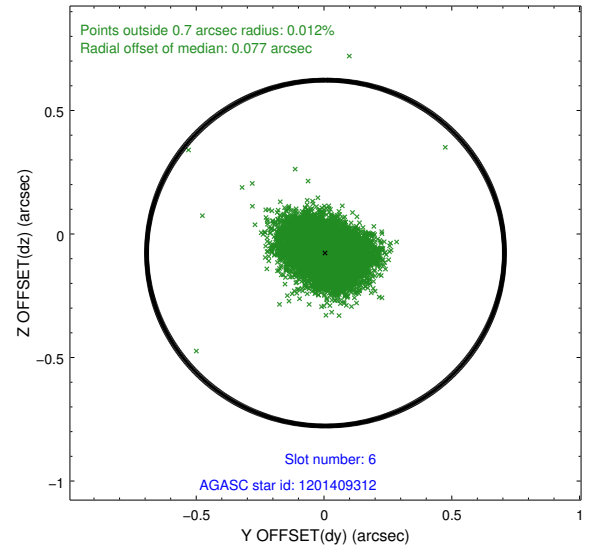
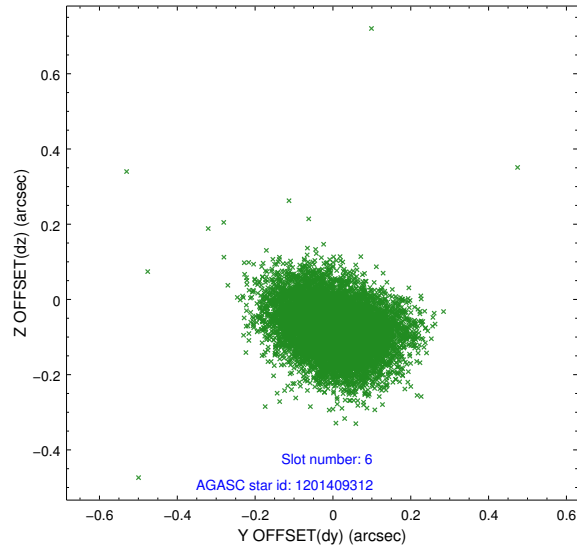
2.4.2 Slot 4



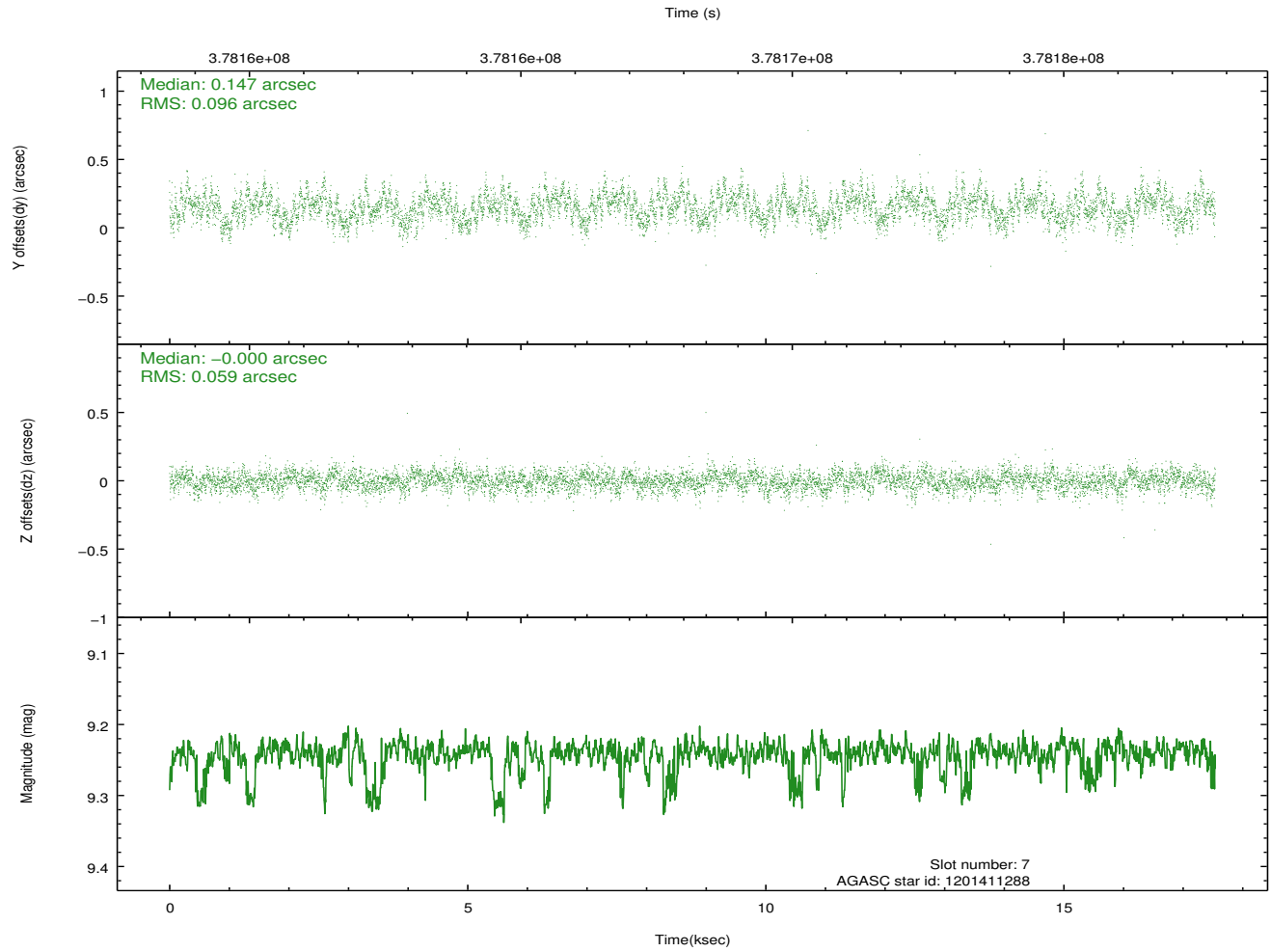
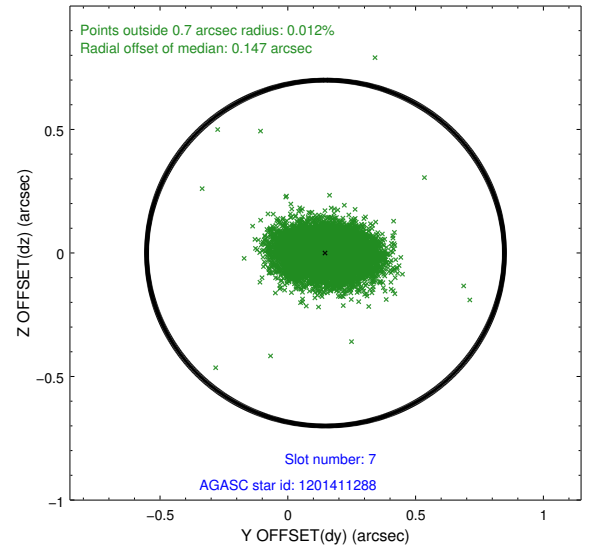
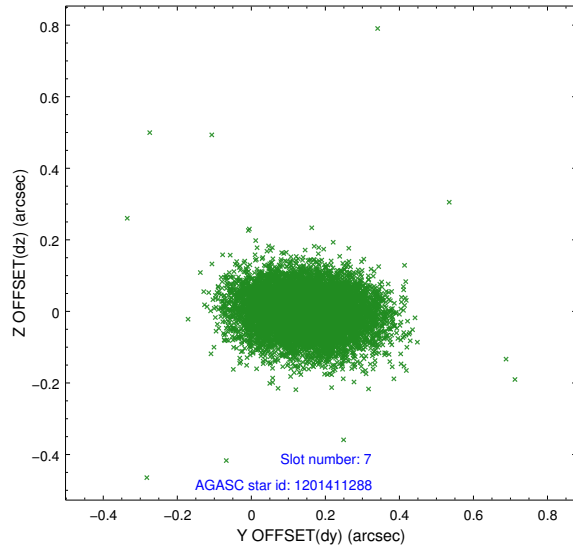
2.4.3 Slot 5



2.4.4 Slot 6

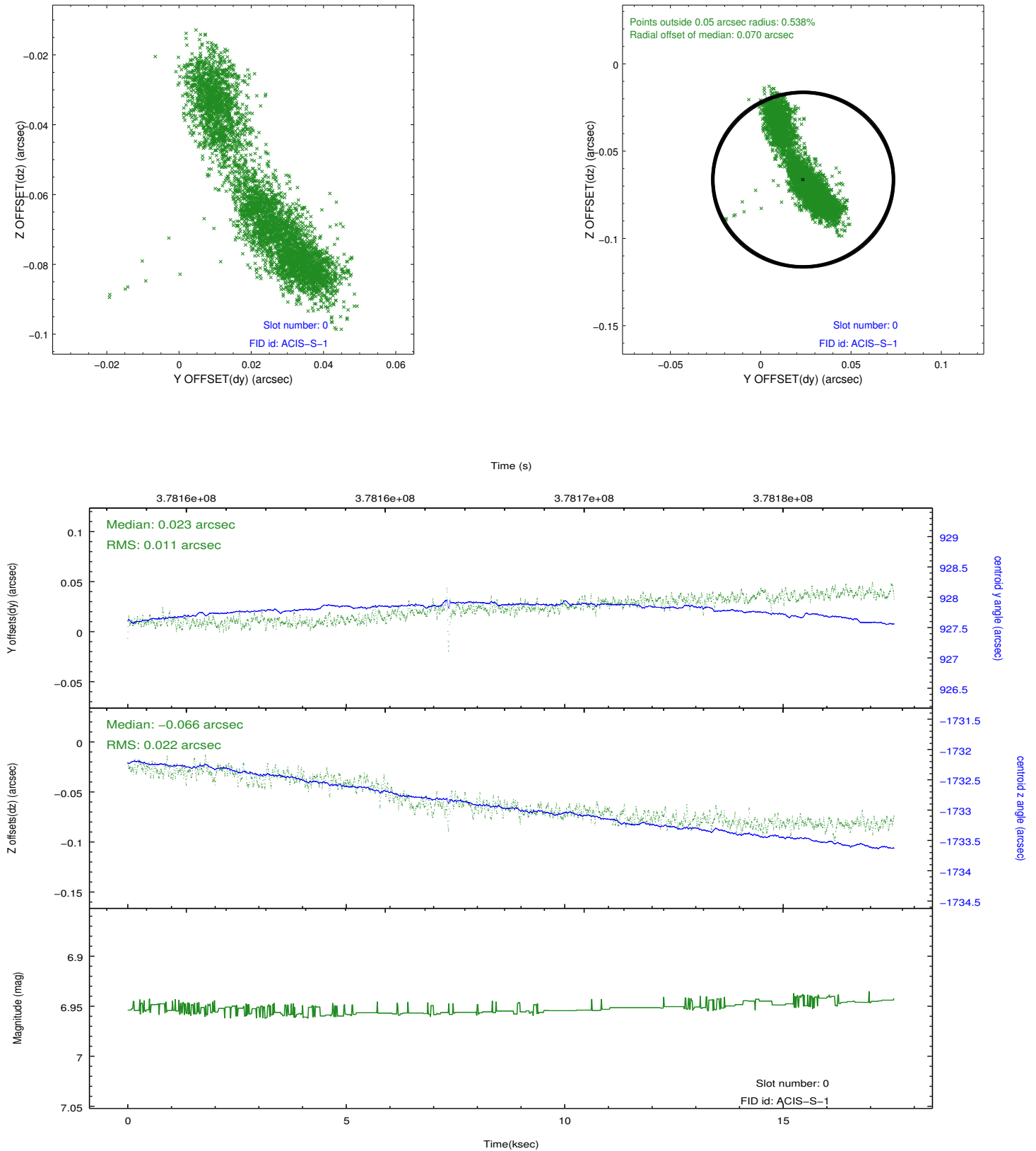


2.4.5 Slot 7

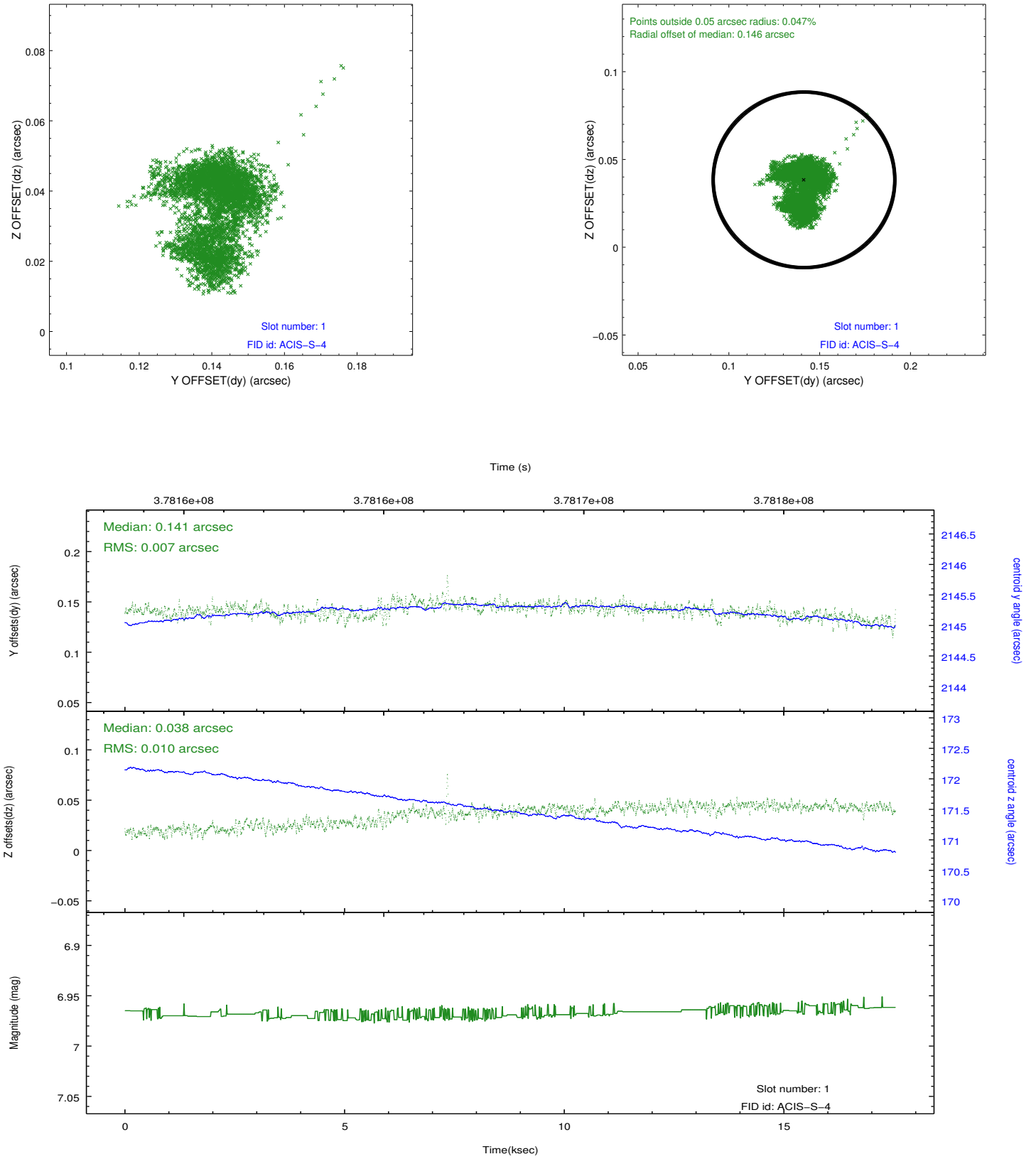


2.5 FID Slots

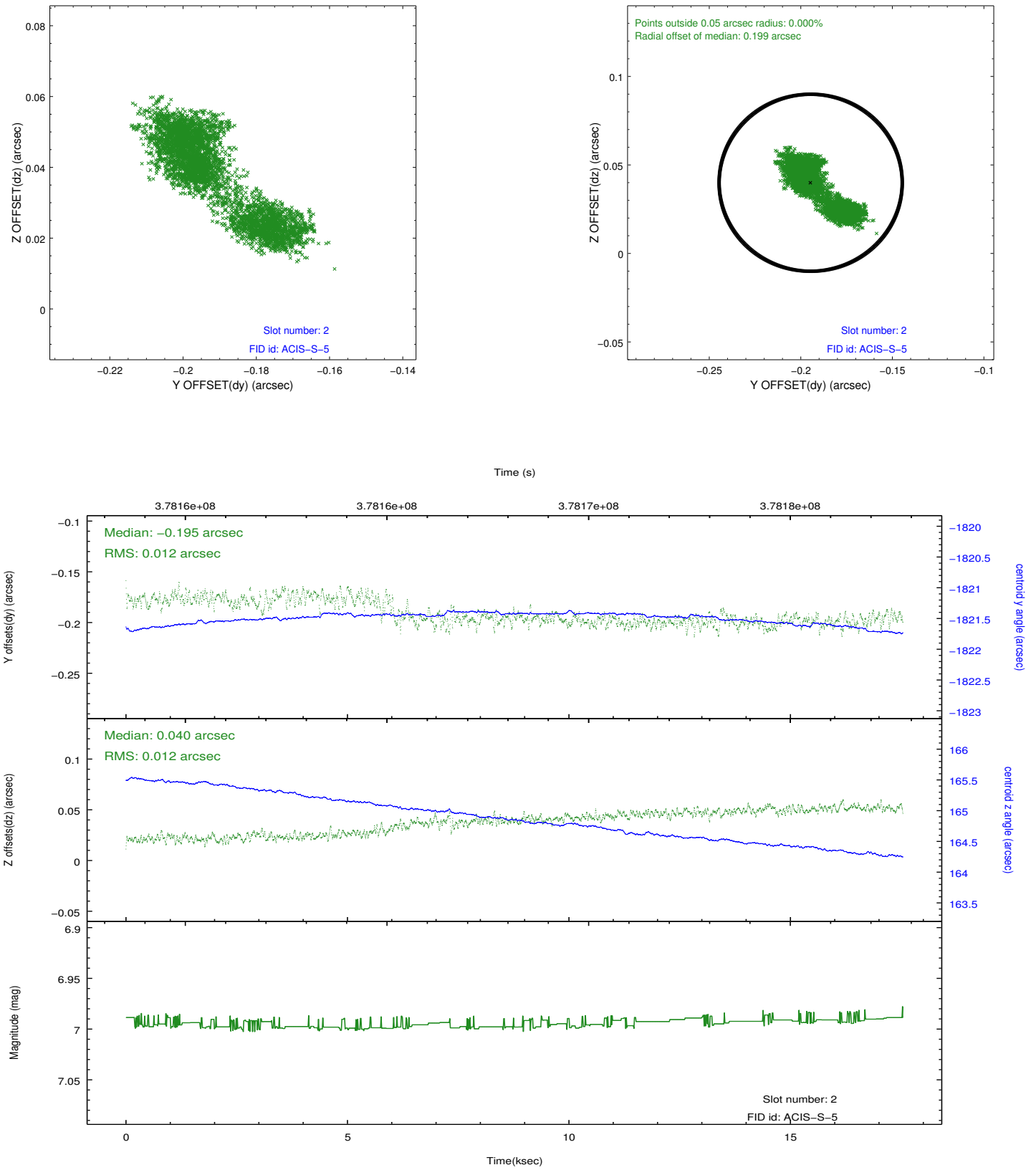
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	16.306554772615

A.2 Comments

Joint proposal with HST.