

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11499 - L2 Version 2
Chandra X-Ray Center

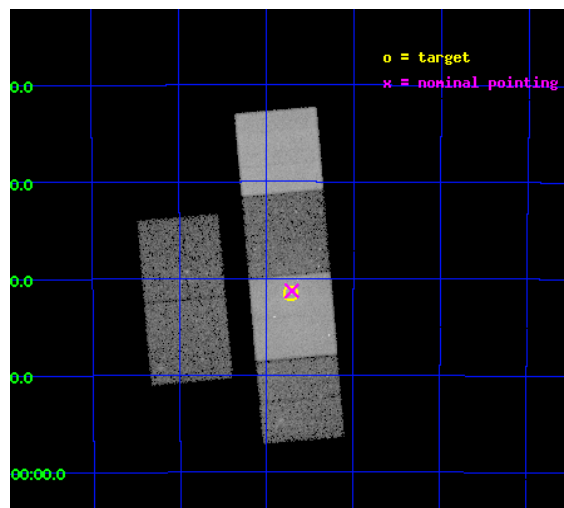
L2 Processing Date : Jul 4 2012

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1 Front

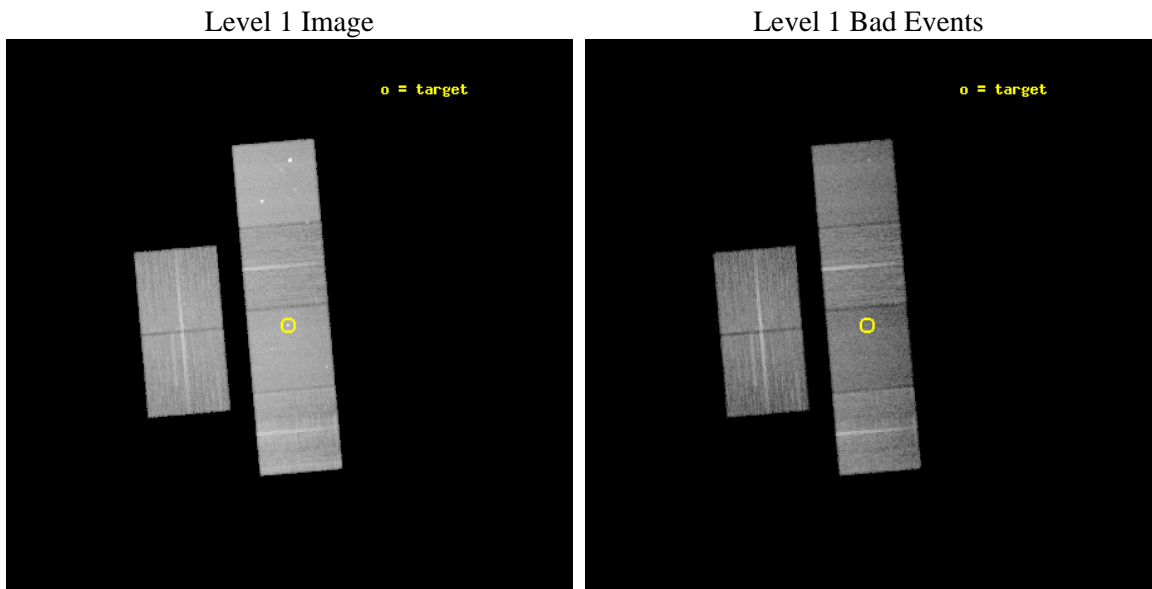
seq_num	702085	Sequence number
obs_id	11499	Observation id
title	The nature of active nuclei in radio galaxies: observations of the 2Jy sample	Proposal title
observer	Dr Martin Hardcastle	Principal investigator
object	PKS 0620-52	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	95.430417	Observer's specified target RA [deg]
dec_targ	-52.692583	Observer's specified target Dec [deg]
ra_nom	95.426847201548	Nominal RA [deg]
dec_nom	-52.688242951564	Nominal Dec [deg]
roll_nom	85.021705071602	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20051.199925363	Sum of GTIs [s]
livetime	19797.299558525	Livetime [s]
ontime2	20051.187372506	Sum of GTIs [s]
ontime3	20051.199925363	Sum of GTIs [s]
ontime5	20051.199925363	Sum of GTIs [s]
ontime6	20051.199925363	Sum of GTIs [s]
ontime7	20051.199925363	Sum of GTIs [s]
ontime8	20051.199925363	Sum of GTIs [s]
l2events	249390	Number of level 2 events



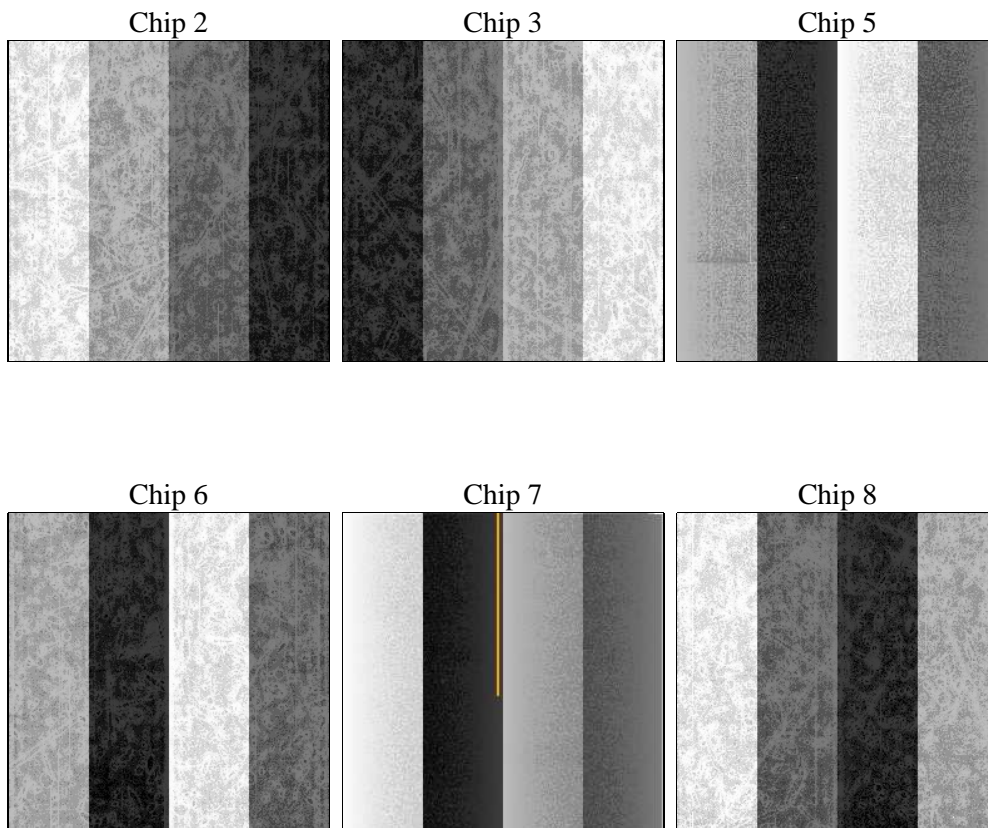
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	20051.199925363	Sum of GTIs [s]
caldbver	4.5.0	 	ontime2	20051.187372506	Sum of GTIs [s]
date	2012-07-04T15:51:40	Date and time of file creation	ontime3	20051.199925363	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	20051.199925363	Sum of GTIs [s]
			ontime6	20051.199925363	Sum of GTIs [s]
			ontime7	20051.199925363	Sum of GTIs [s]
			ontime8	20051.199925363	Sum of GTIs [s]
			l1events	1032533	Number of level 1 events

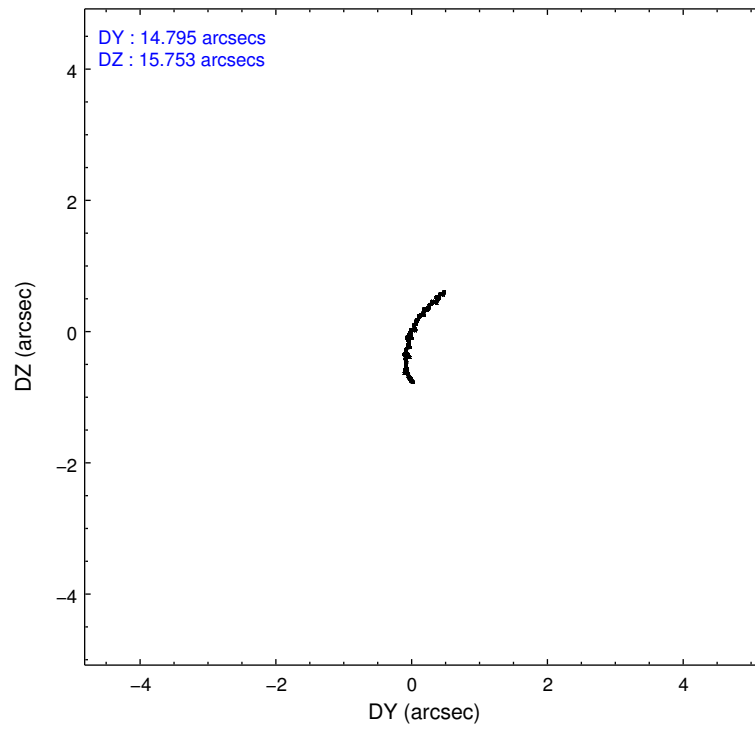
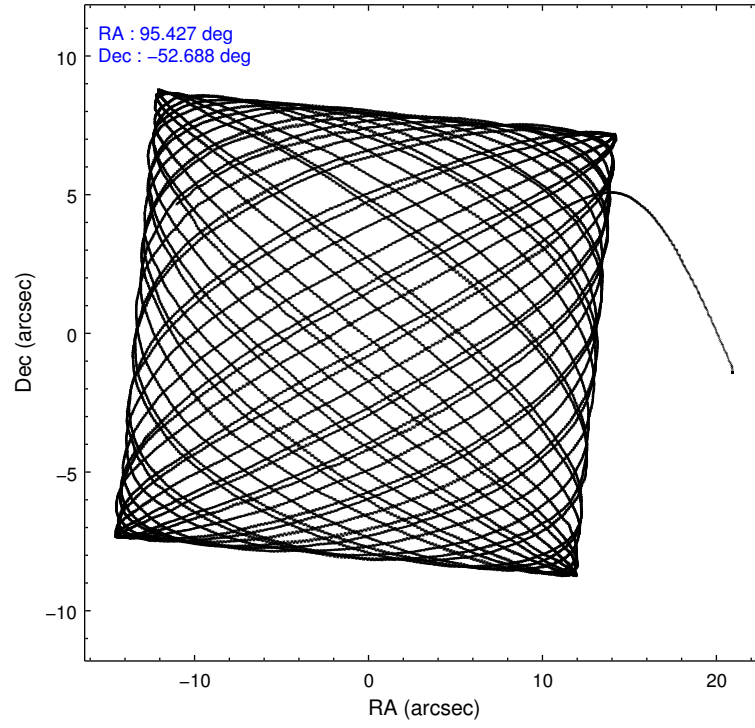
2.1.4 Events

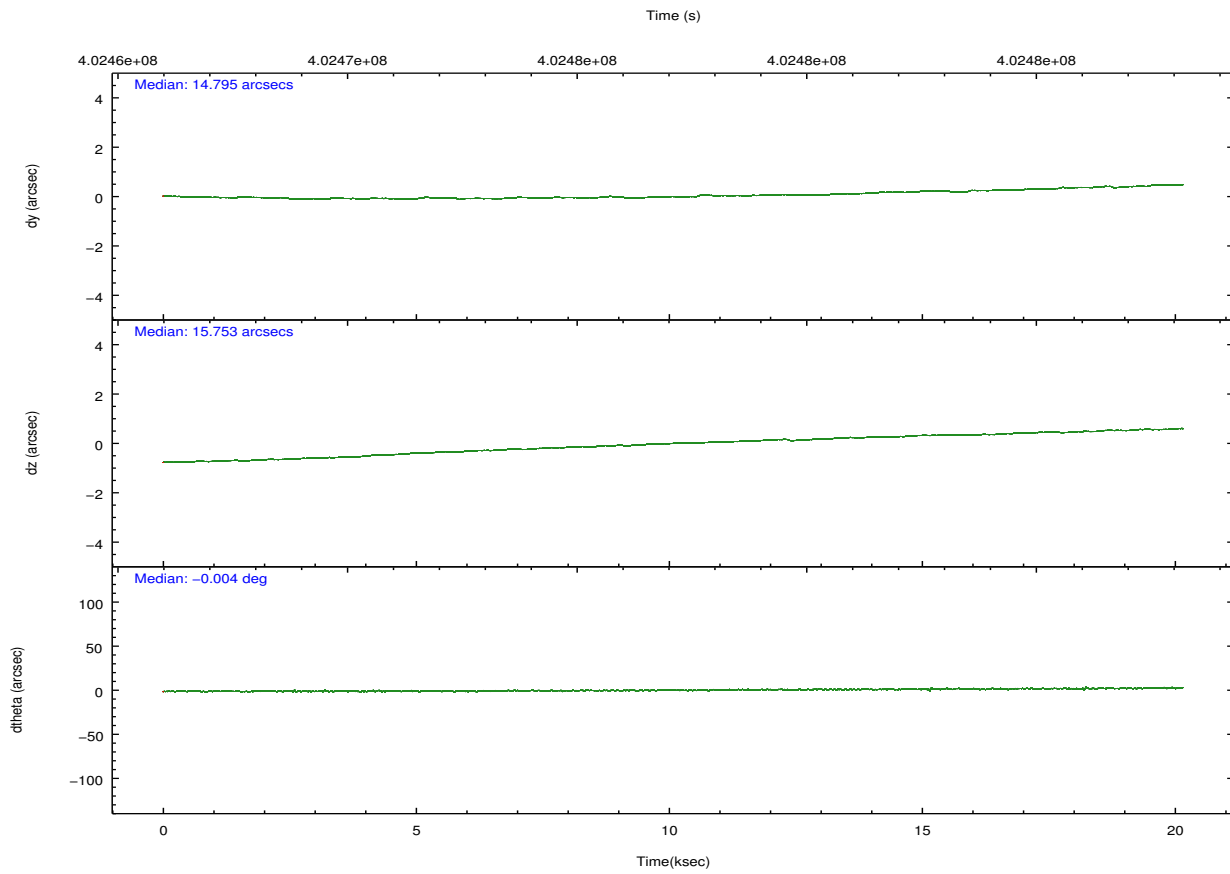
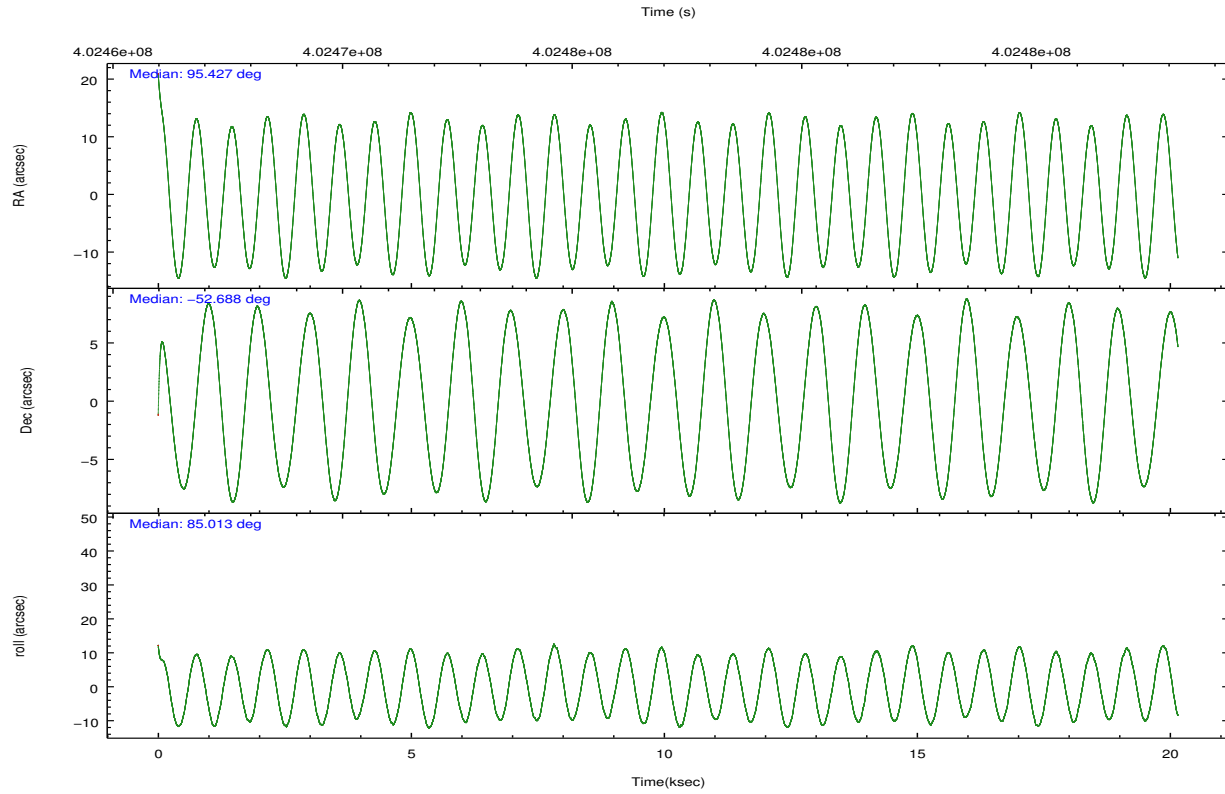
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	150896	138283	221454	149034	186683	186183	grade 0 events	5829	5443	11776	7384	10681	14151
rejected events	134988	123327	109545	130649	96068	138969		3%	3%	5%	4%	5%	7%
rejected %	89%	89%	49%	87%	51%	74%	grade 1 events	90	89	607	89	229	154
								0%	0%	0%	0%	0%	0%
							grade 2 events	3871	3249	35081	3877	19243	11234
								2%	2%	15%	2%	10%	6%
							grade 3 events	1577	1675	4211	1728	8501	4831
								1%	1%	1%	1%	4%	2%
							grade 4 events	1641	1697	4064	1826	8341	4544
								1%	1%	1%	1%	4%	2%
							grade 5 events	5551	6455	16715	6601	18566	9352
								3%	4%	7%	4%	9%	5%
							grade 6 events	2990	2893	56792	3574	43864	12460
								1%	2%	25%	2%	23%	6%
							grade 7 events	129347	116782	92208	123955	77258	129457
								85%	84%	41%	83%	41%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	N	N
[deg] Pointing RA	95.446463	95.42684720154807	CCD I2 on	O1	Y
[deg] Pointing Dec	-52.712860	-52.68824295156397	CCD I3 on	O2	Y
[deg] Pointing Roll	84.880688	85.0217050716023	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O3	Y
[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	Y	Y
[s] Observation start time (MET)	402467157.184000	402466077.97275	CCD S5 on	N	N
Observation start date	2010-10-03T04:24:51	2010-10-03T04:07:57	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	402487157.184000	402488637.7114	On-chip summing requested	N	N
Observation end date	2010-10-03T09:58:11	2010-10-03T10:23:57	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



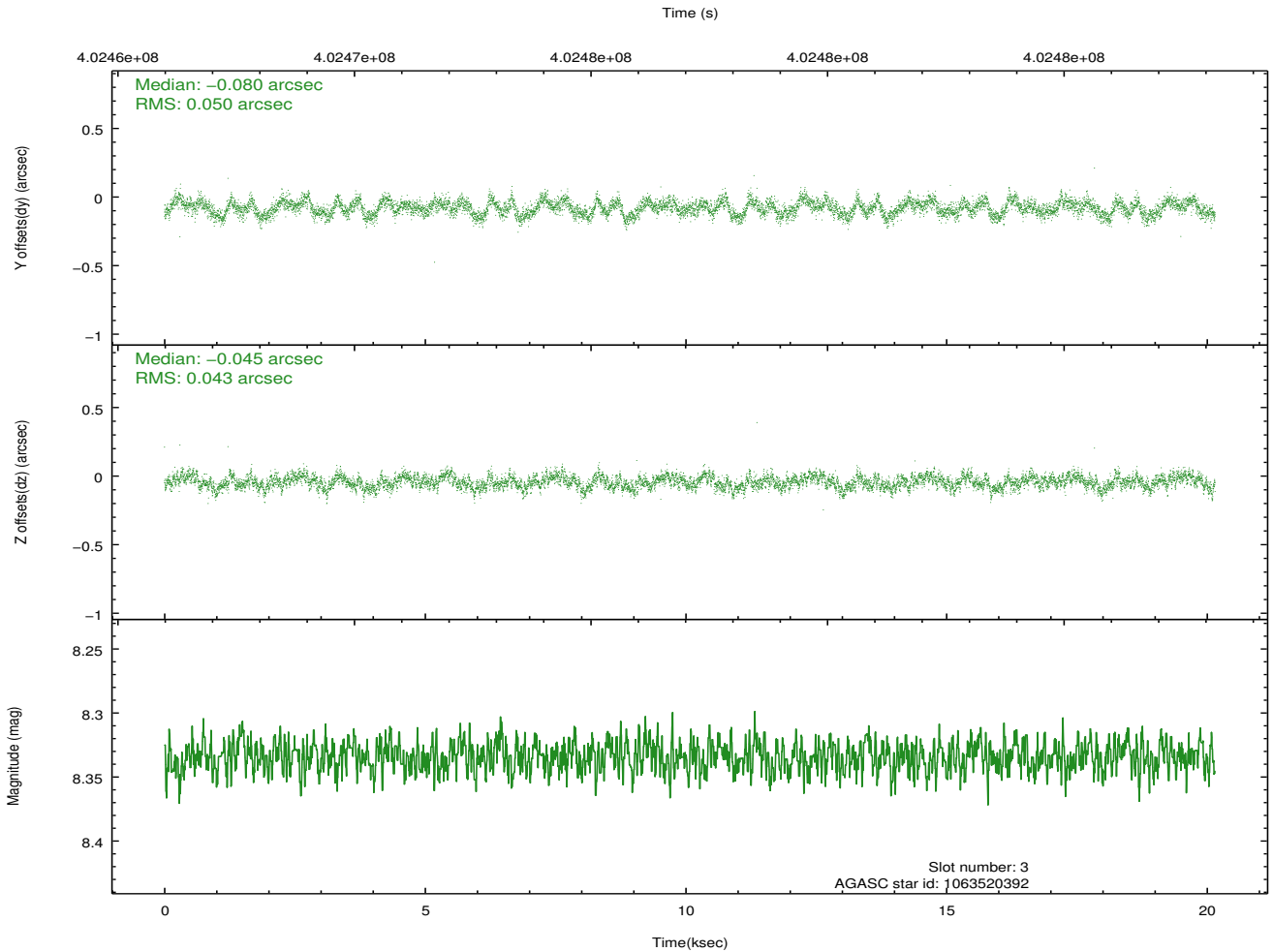
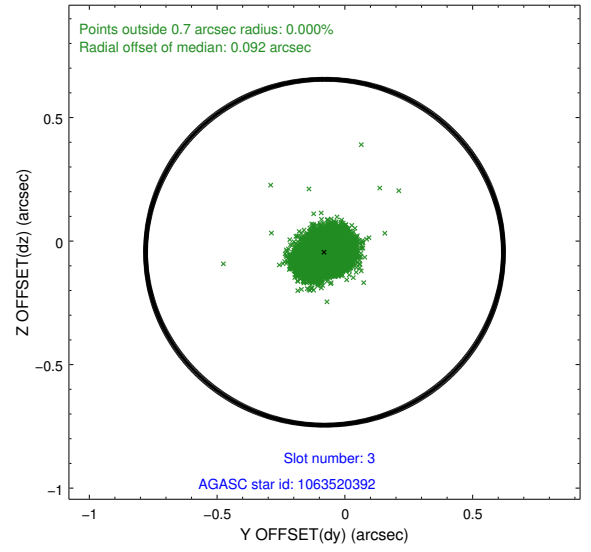
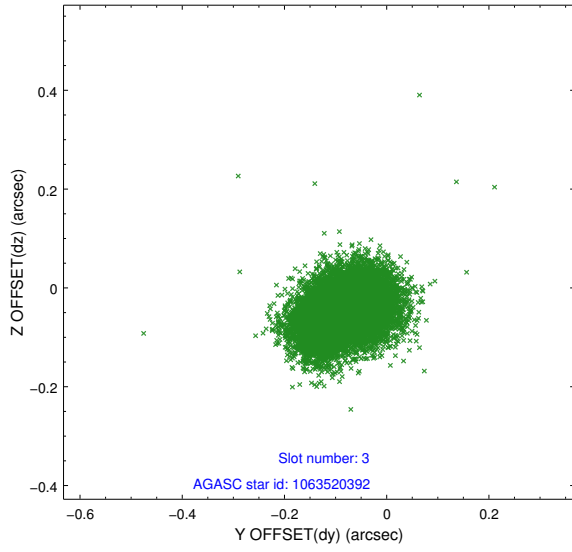


Slot Statistics

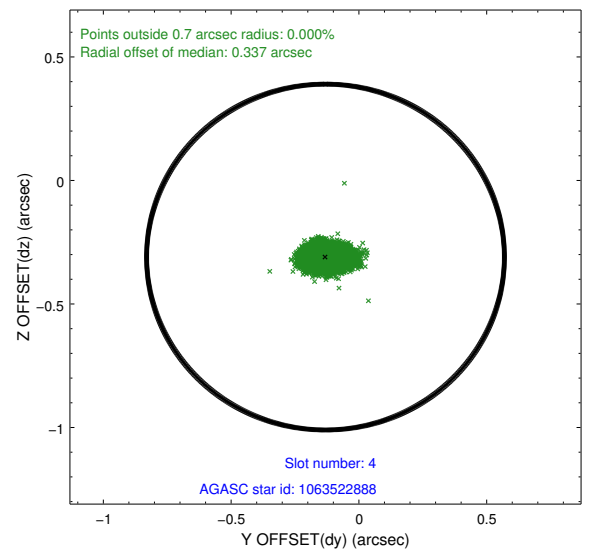
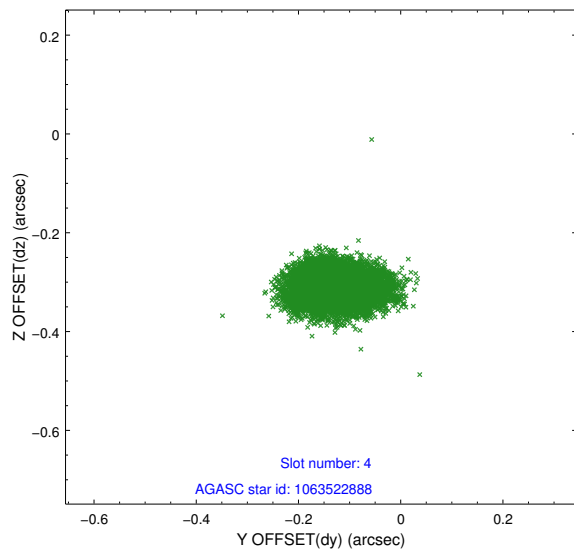
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.93	4916	-0.093	-0.017	0.007	0.013	0.000000	0.000000	-767.92	-1737.12
1	FID	ACIS-S-4	7.01	4916	0.196	0.050	0.008	0.014	0.000000	0.000000	2145.55	171.25
2	FID	ACIS-S-5	7.04	4915	-0.134	-0.024	0.007	0.012	0.000000	0.000000	-1820.58	165.04
3	GUIDE	1063520392	8.33	9825	-0.080	-0.045	0.071	0.113	94.980750	-52.145146	1940.46	1207.05
4	GUIDE	1063522888	6.91	9832	-0.131	-0.310	0.055	0.092	95.148149	-52.069842	2245.51	864.09
5	GUIDE	1063664568	8.29	9825	0.169	0.127	0.085	0.139	96.413086	-52.139307	2234.20	-1943.95
6	GUIDE	1118570624	7.52	9830	0.108	-0.098	0.092	0.142	95.354935	-52.662457	163.15	214.95
7	GUIDE	1118583648	8.90	9820	-0.068	0.321	0.096	0.155	96.544031	-52.630173	493.24	-2362.77

2.4 Star Slots

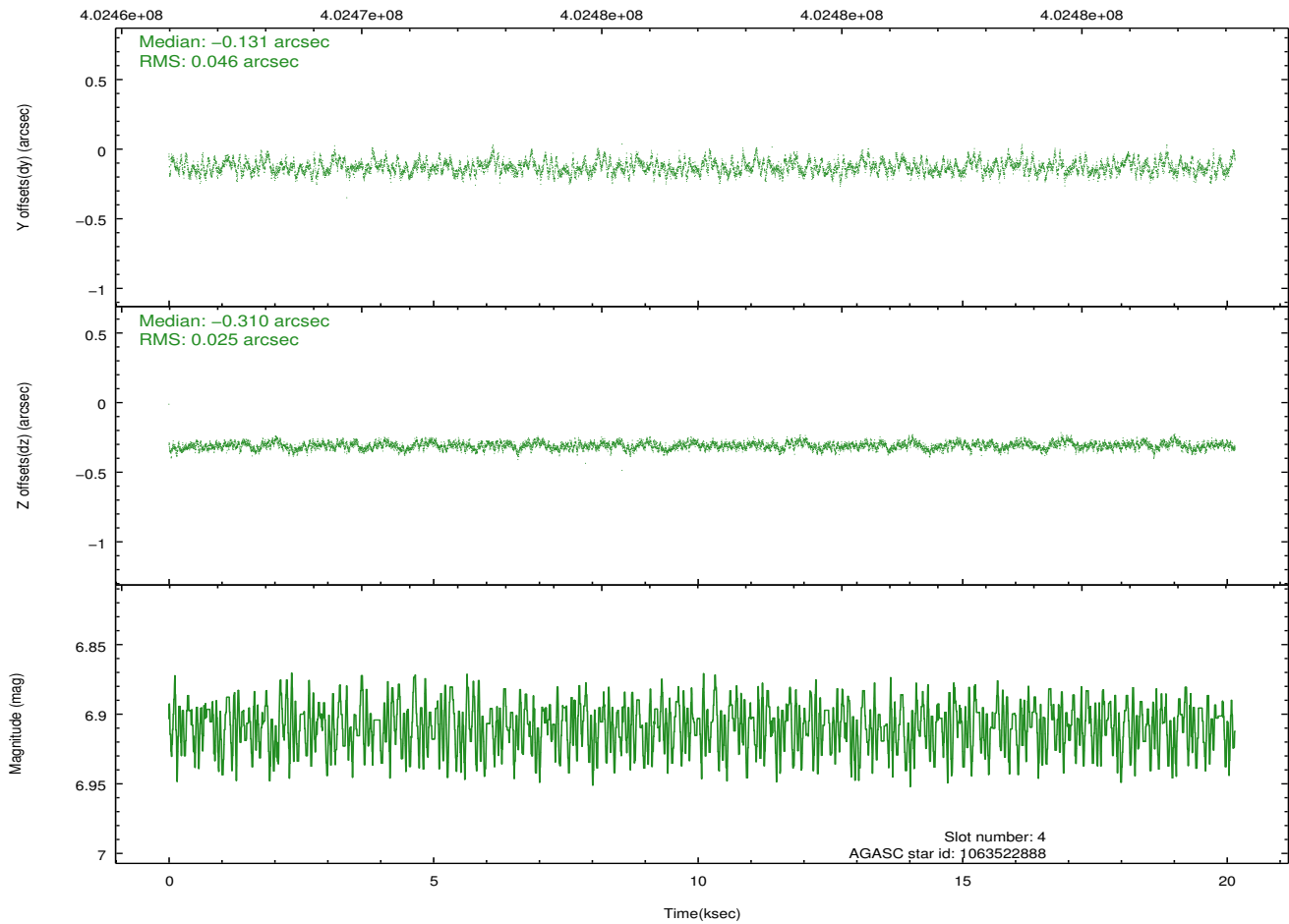
2.4.1 Slot 3



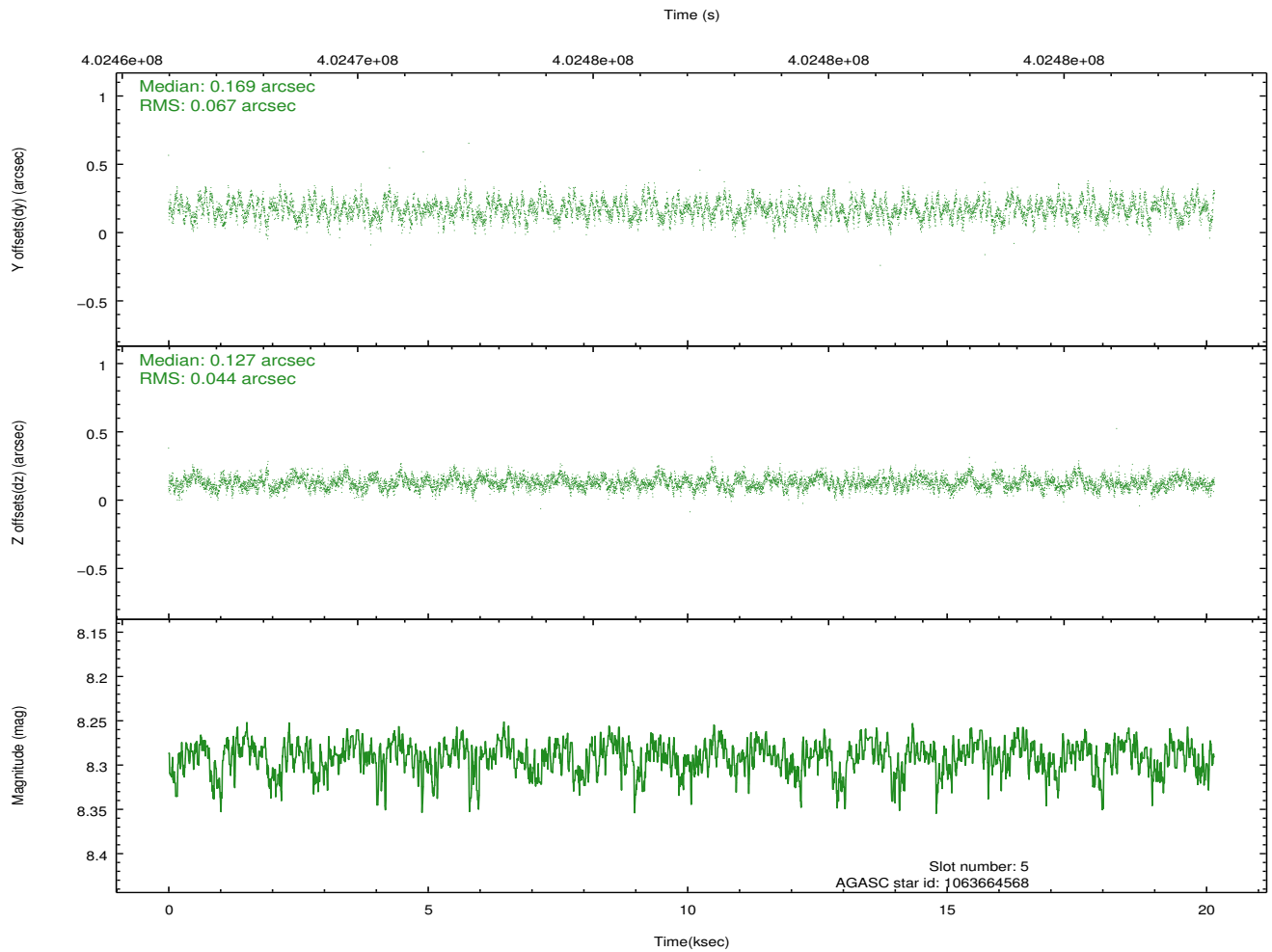
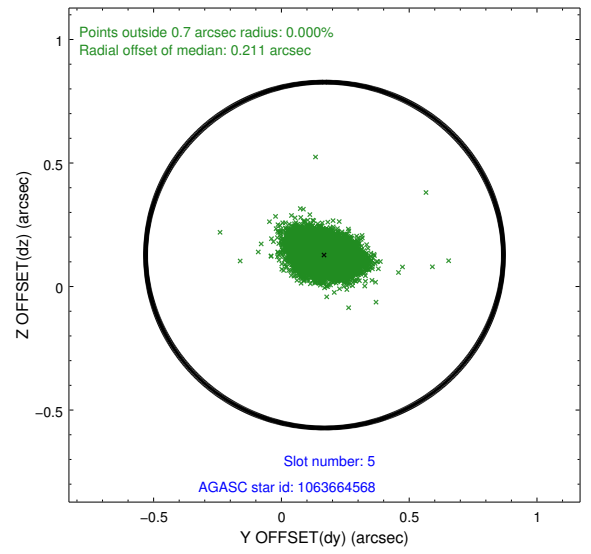
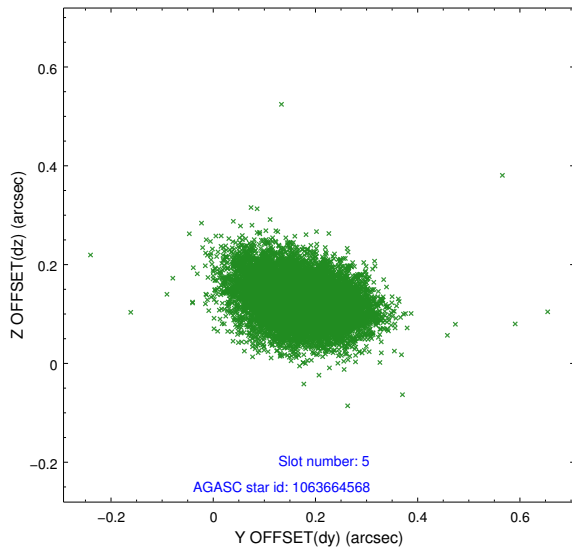
2.4.2 Slot 4



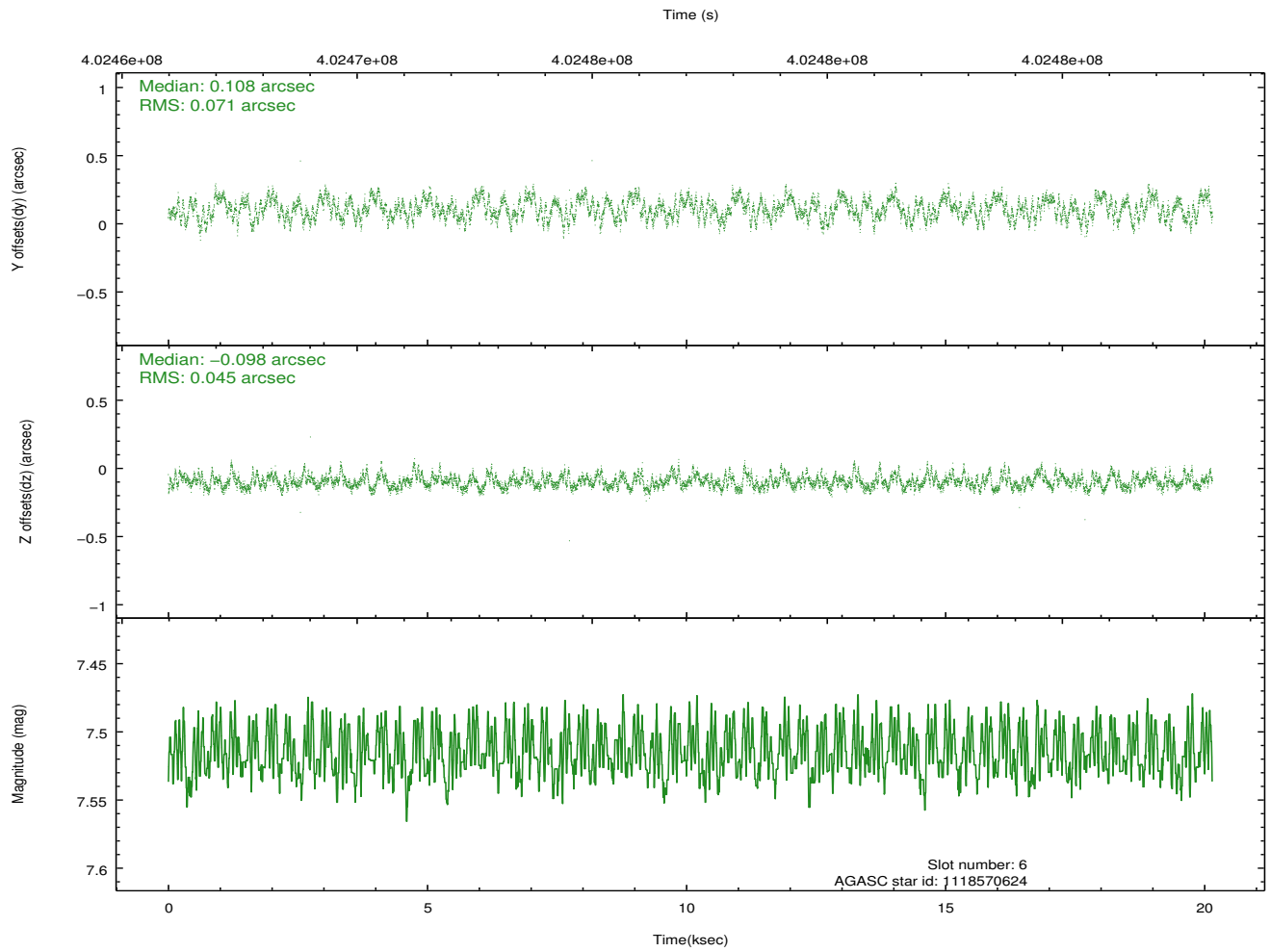
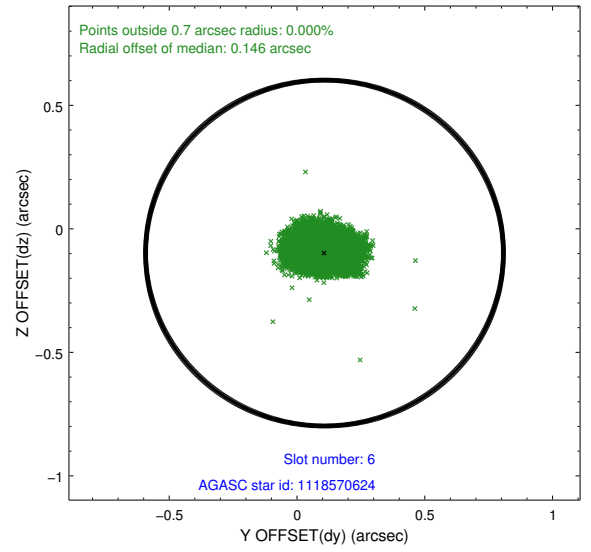
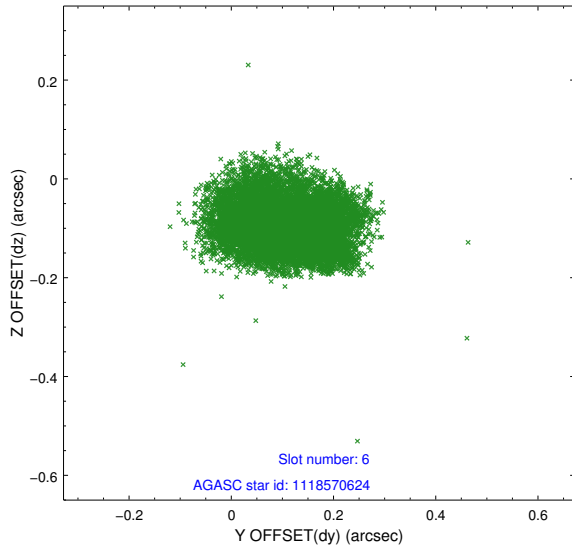
Time (s)



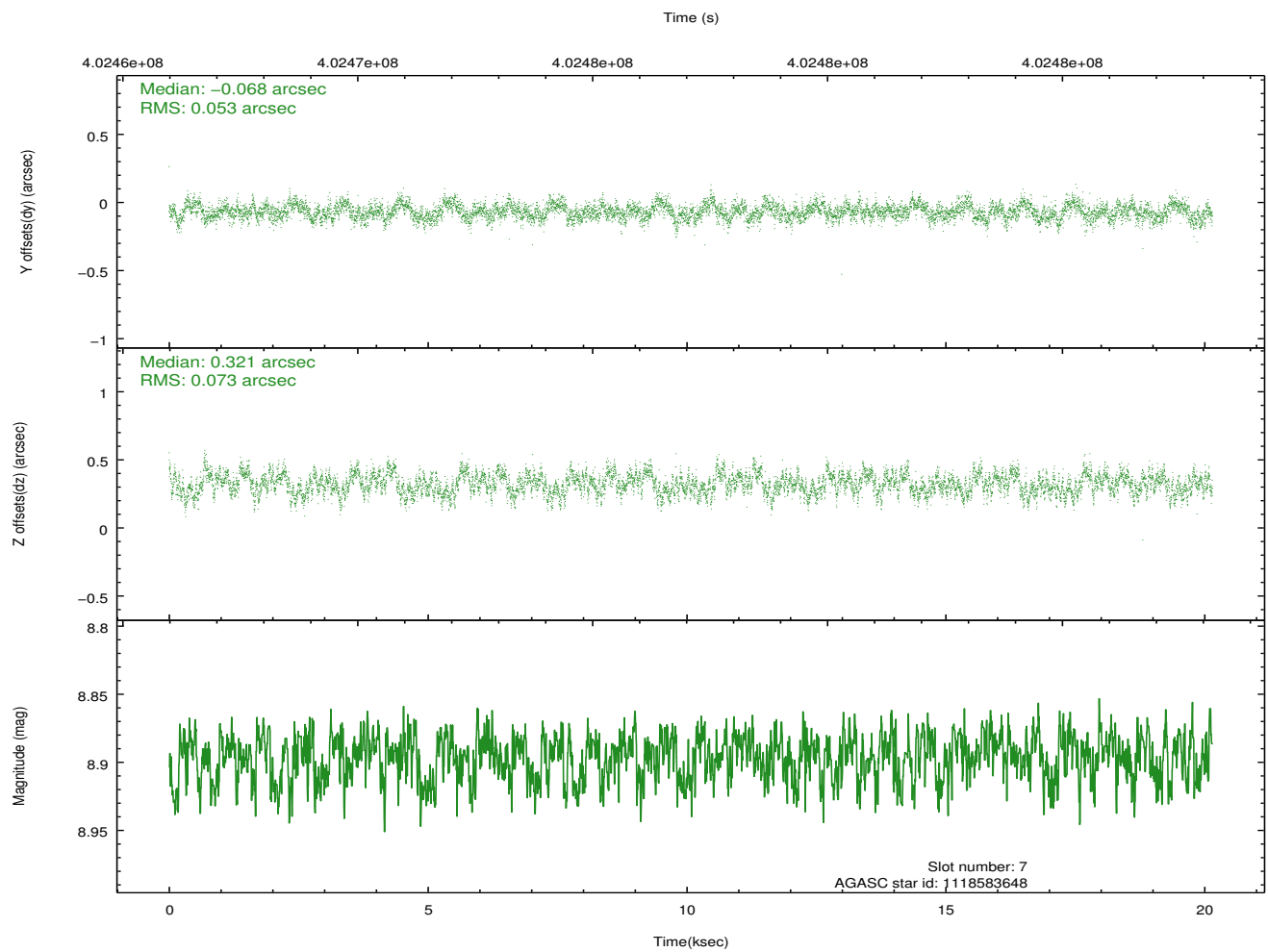
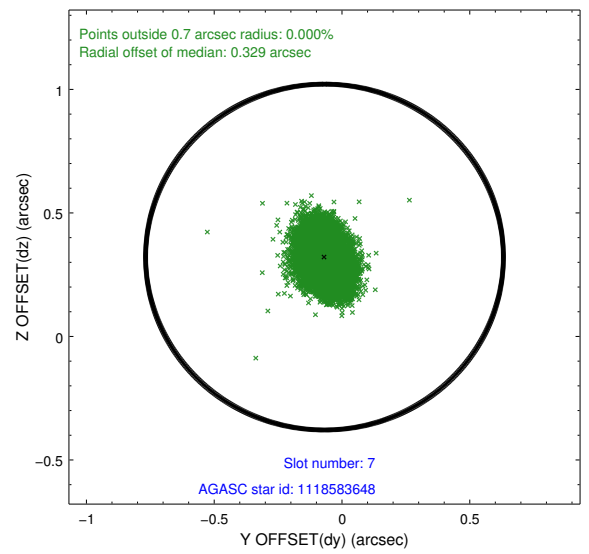
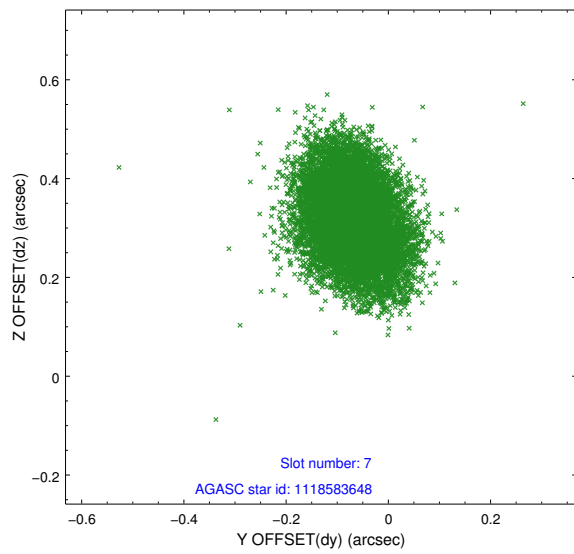
2.4.3 Slot 5



2.4.4 Slot 6

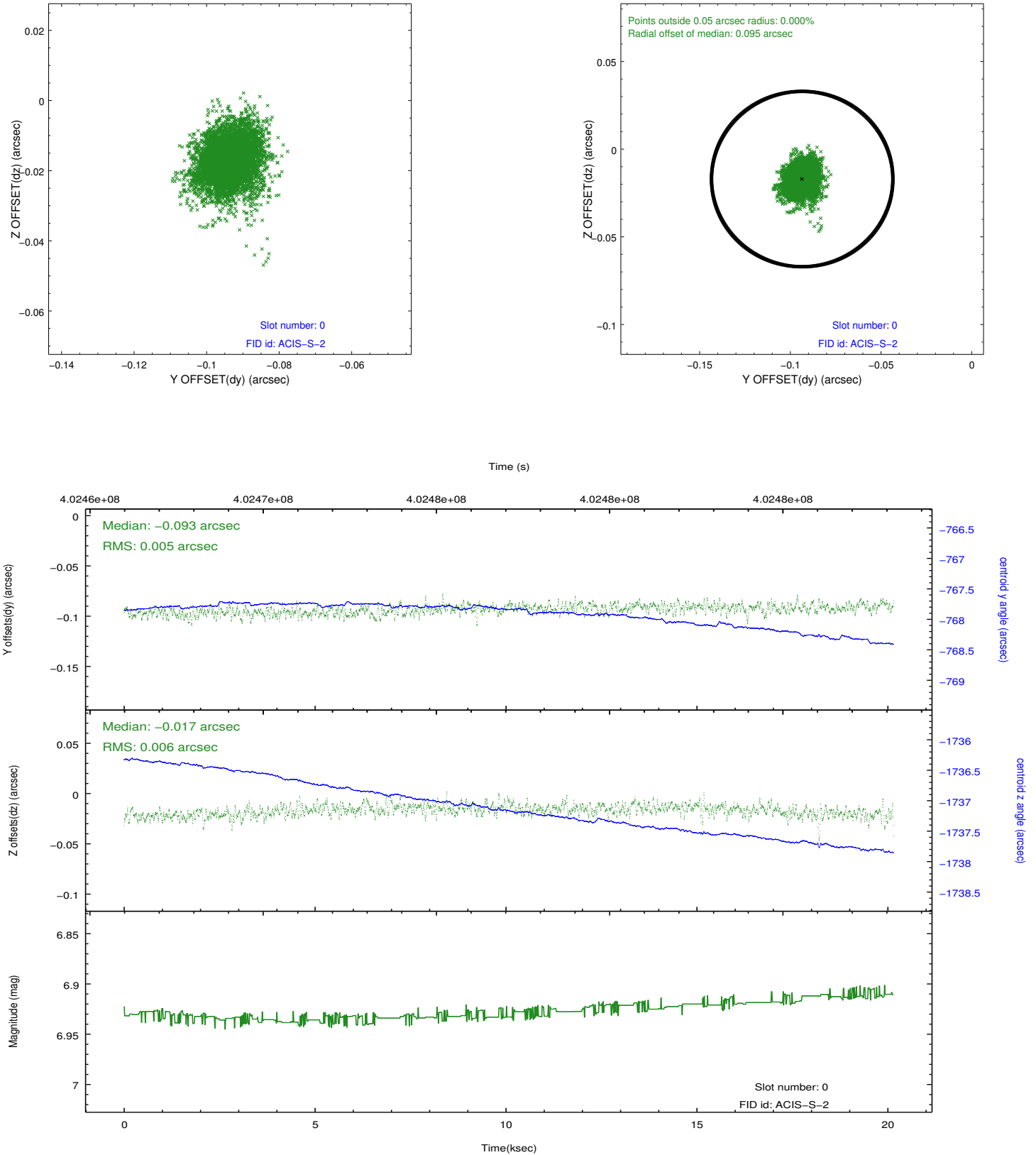


2.4.5 Slot 7

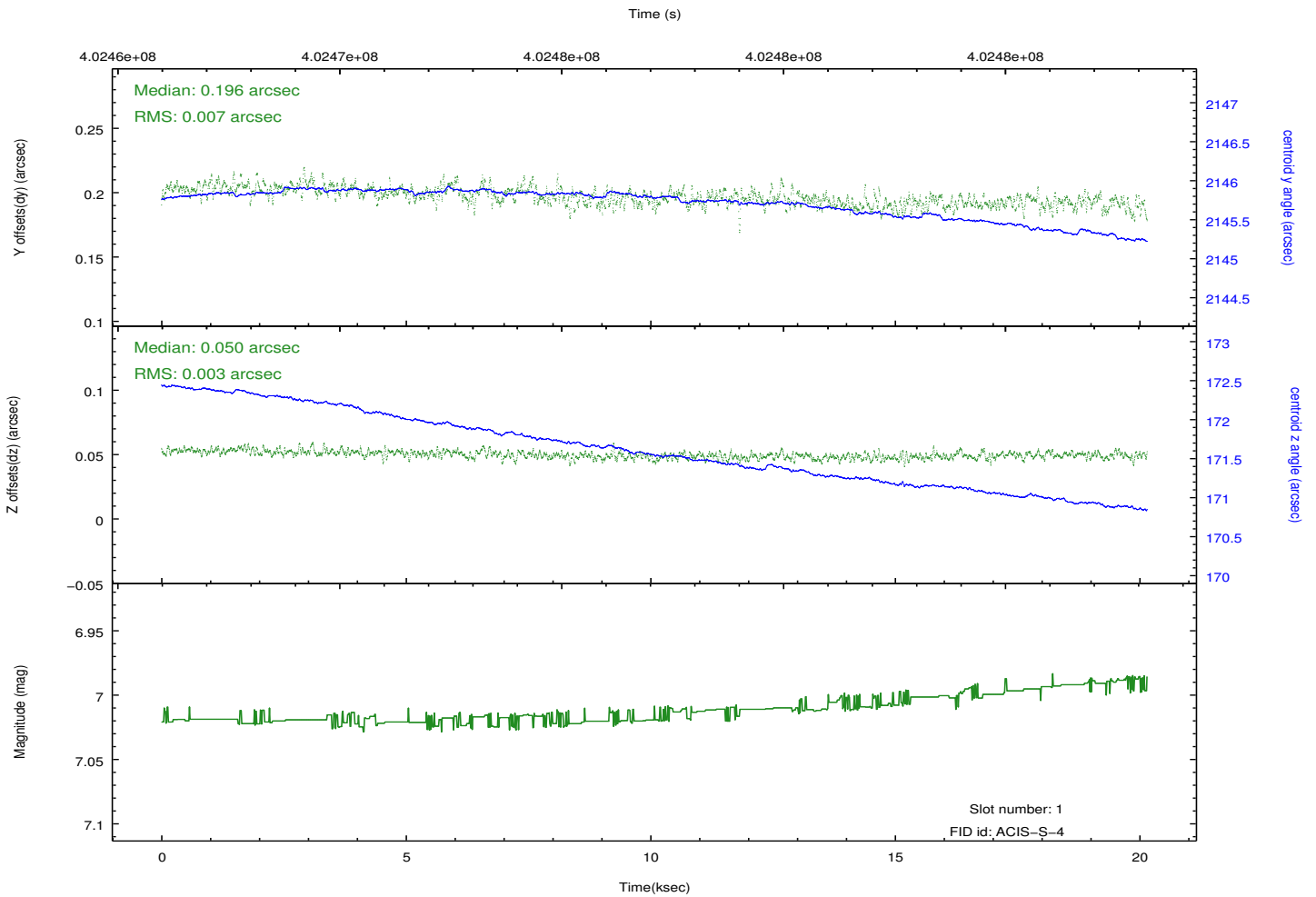
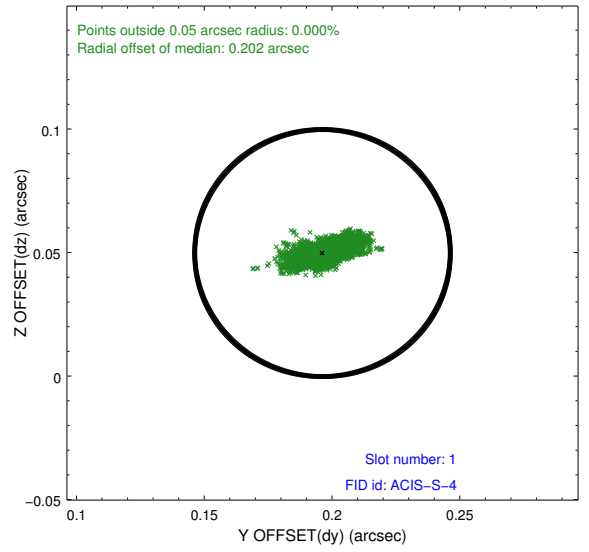
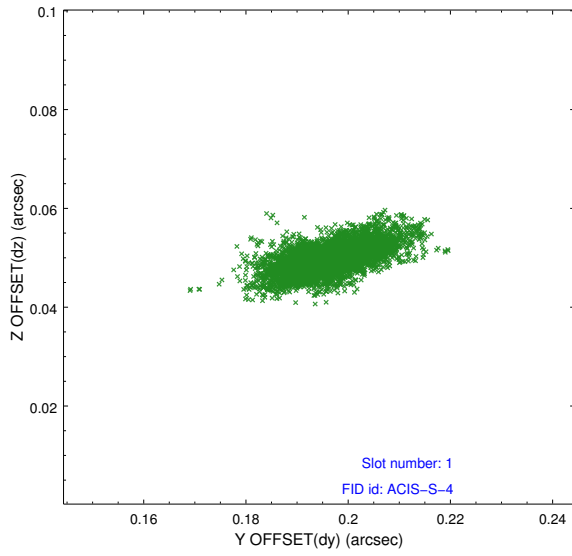


2.5 FID Slots

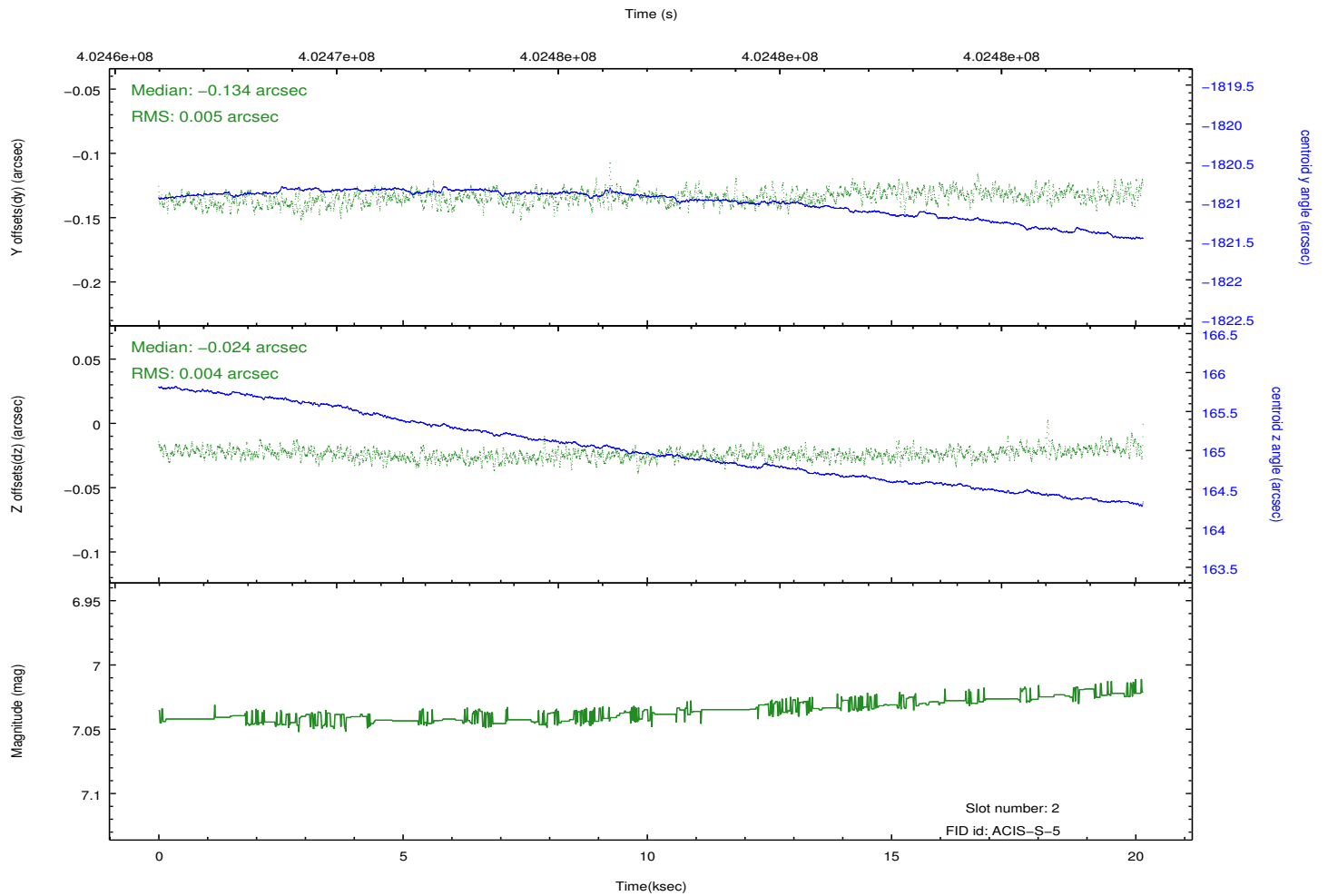
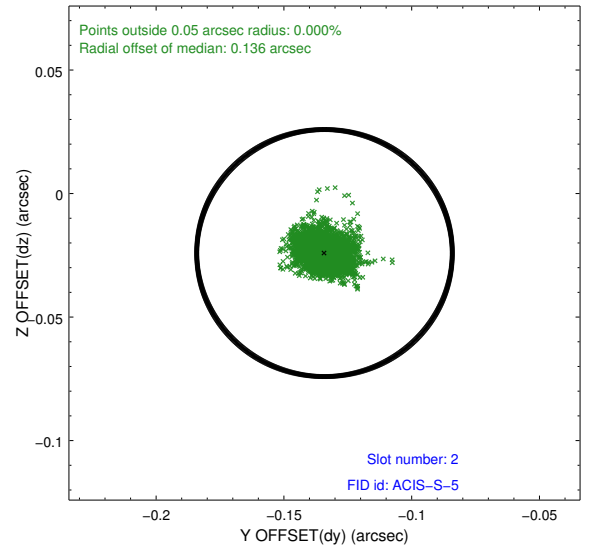
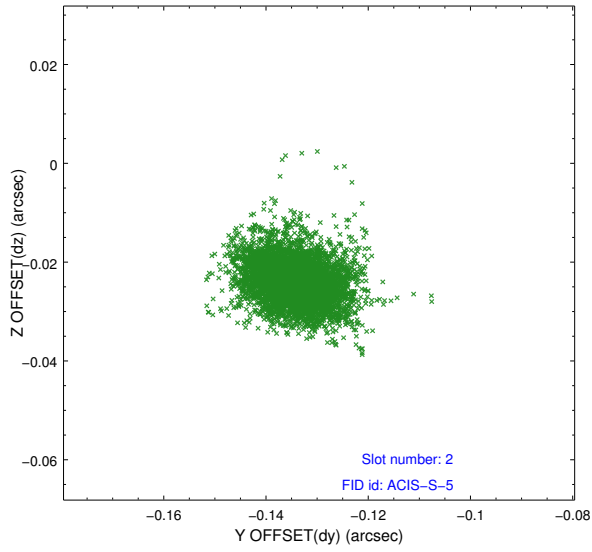
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.051199925363

A.2 Comments