

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10390 - L2 Version 2
Chandra X-Ray Center

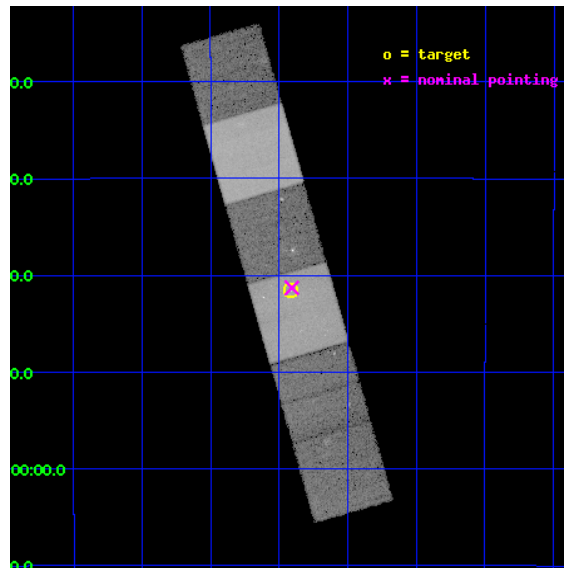
L2 Processing Date : Jun 3 2012

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1 Front

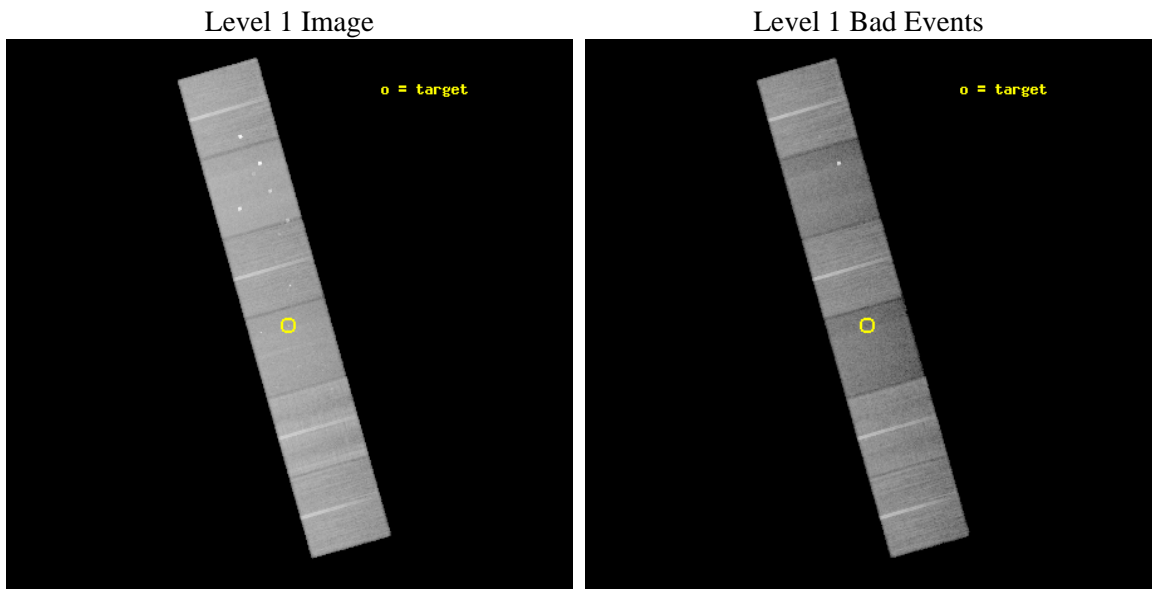
seq_num	701933	Sequence number
obs_id	10390	Observation id
title	The Structure and Physics of the Youngest Radio Galaxies	Proposal
observer	Prof. Eric Perlman	Principal investigator
object	NGC 5793	Source name
dtycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	224.853333	Observer's specified target RA [deg]
dec_targ	-16.693056	Observer's specified target Dec [deg]
ra_nom	224.8519491813	Nominal RA [deg]
dec_nom	-16.688410477795	Nominal Dec [deg]
roll_nom	74.096442639304	Nominal Roll [deg]
revision	2	Processing version of data
ontime	32038.399880707	Sum of GTIs [s]
liveltime	31632.710370209	Livetime [s]
ontime4	32035.158860445	Sum of GTIs [s]
ontime5	32038.399880707	Sum of GTIs [s]
ontime6	32035.158850312	Sum of GTIs [s]
ontime7	32038.399880707	Sum of GTIs [s]
ontime8	32031.917849958	Sum of GTIs [s]
ontime9	32028.676849902	Sum of GTIs [s]
l2events	383827	Number of level 2 events



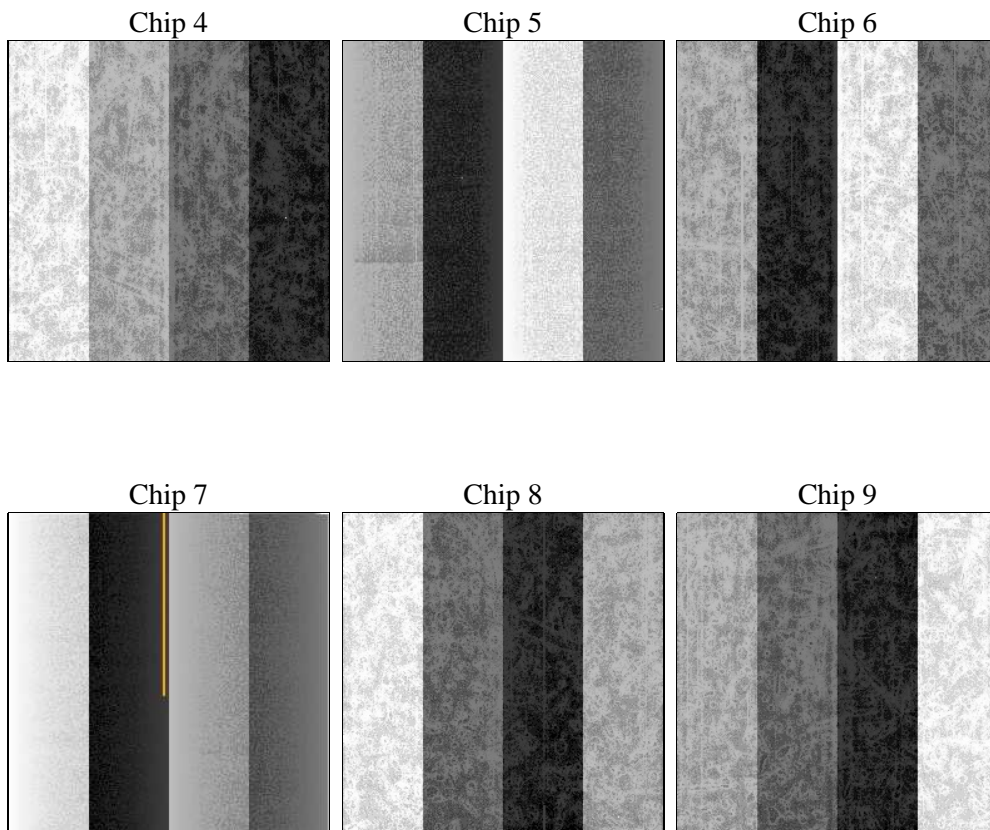
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	32000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	32038.399880707	Sum of GTIs [s]
caldbver	4.4.9	 	ontime4	32035.158860445	Sum of GTIs [s]
date	2012-06-03T08:31:37	Date and time of file creation	ontime5	32038.399880707	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	32035.158850312	Sum of GTIs [s]
			ontime7	32038.399880707	Sum of GTIs [s]
			ontime8	32031.917849958	Sum of GTIs [s]
			ontime9	32028.676849902	Sum of GTIs [s]
			l1events	1776048	Number of level 1 events

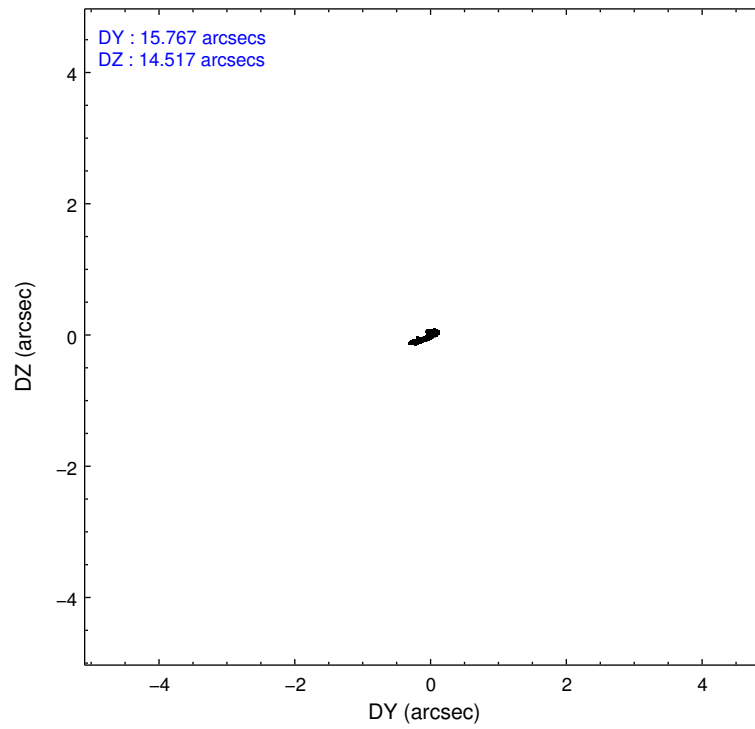
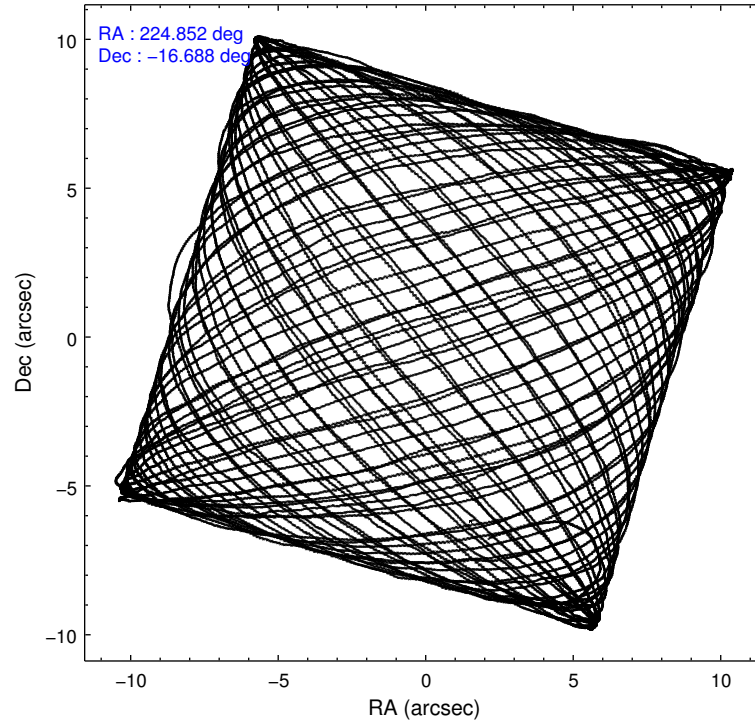
2.1.4 Events

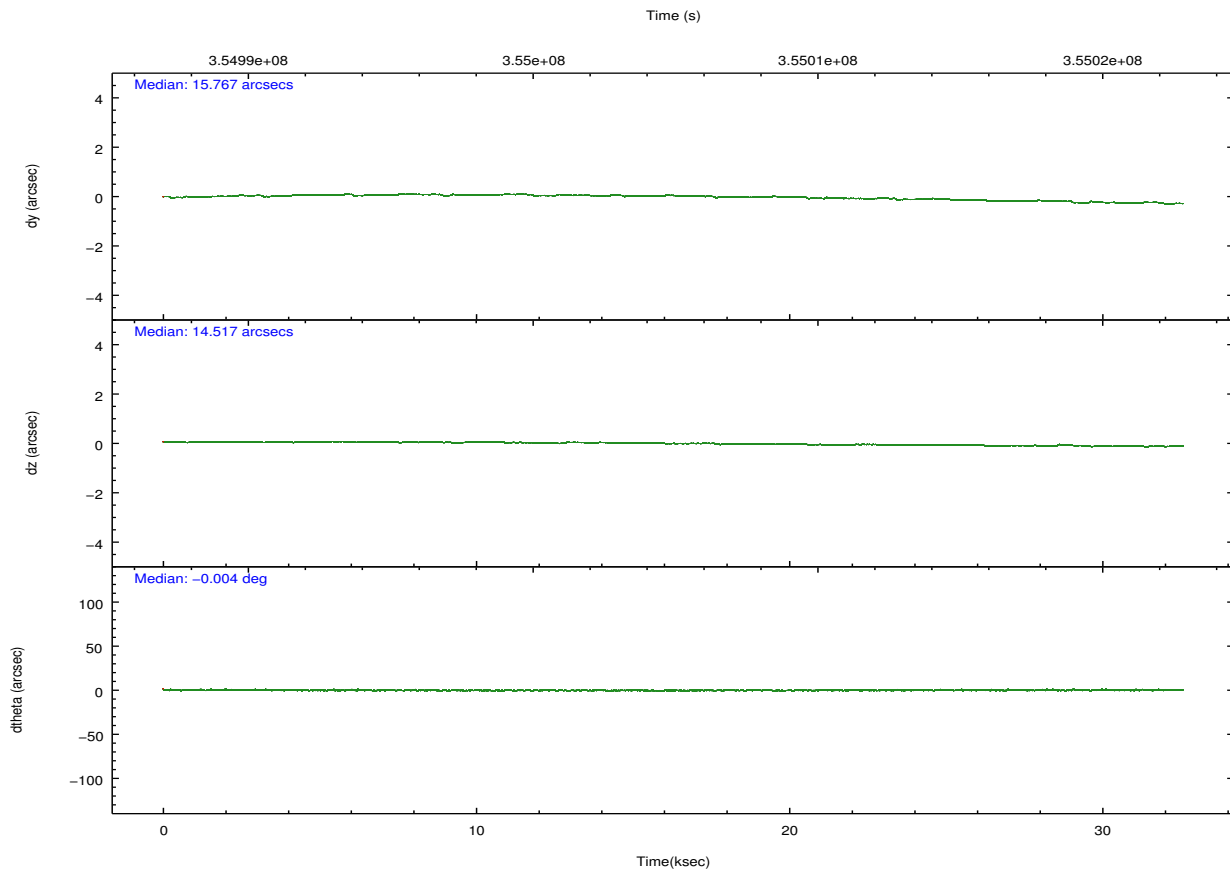
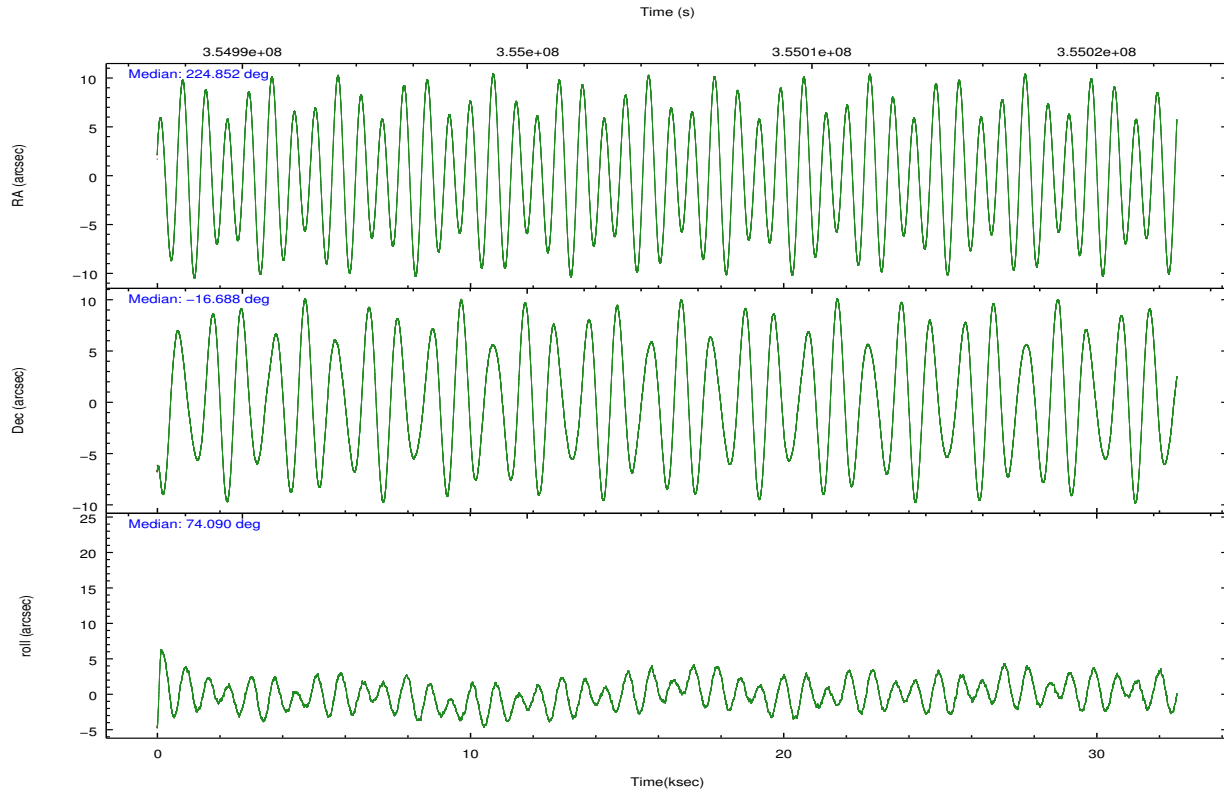
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	315339	347593	269612	257329	327985	258190	grade 0 events	18678	22701	11832	13199	23364	10045
rejected events	279314	162610	240656	131473	244685	230888		5%	6%	4%	5%	7%	3%
rejected %	88%	46%	89%	51%	74%	89%	grade 1 events	291	819	145	432	284	142
								0%	0%	0%	0%	0%	0%
							grade 2 events	7029	57496	6055	26787	20084	5864
								2%	16%	2%	10%	6%	2%
							grade 3 events	3073	7830	2837	11669	8941	3032
								0%	2%	1%	4%	2%	1%
							grade 4 events	2823	7362	2887	11584	8482	2811
								0%	2%	1%	4%	2%	1%
							grade 5 events	9133	27272	9090	27066	14012	10347
								2%	7%	3%	10%	4%	4%
							grade 6 events	4427	89613	5348	62637	22432	5551
								1%	25%	1%	24%	6%	2%
							grade 7 events	269885	134500	231418	103955	230386	220398
								85%	38%	85%	40%	70%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	224.859285	224.8519491812974	Subarray requested	NONE	NONE
[deg] Pointing Dec	-16.714816	-16.68841047779543	Alternating exposures requested	N	N
[deg] Pointing Roll	73.941929	74.09644263930444	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	354989198.184000	354988002.79862			
Observation start date	2009-04-01T16:05:32	2009-04-01T15:46:42			
[s] Observation end time (MET)	355021198.184000	355021713.0003			
Observation end date	2009-04-02T00:58:52	2009-04-02T01:08:33			
Read mode	TIMED	TIMED			

2.3 Aspect



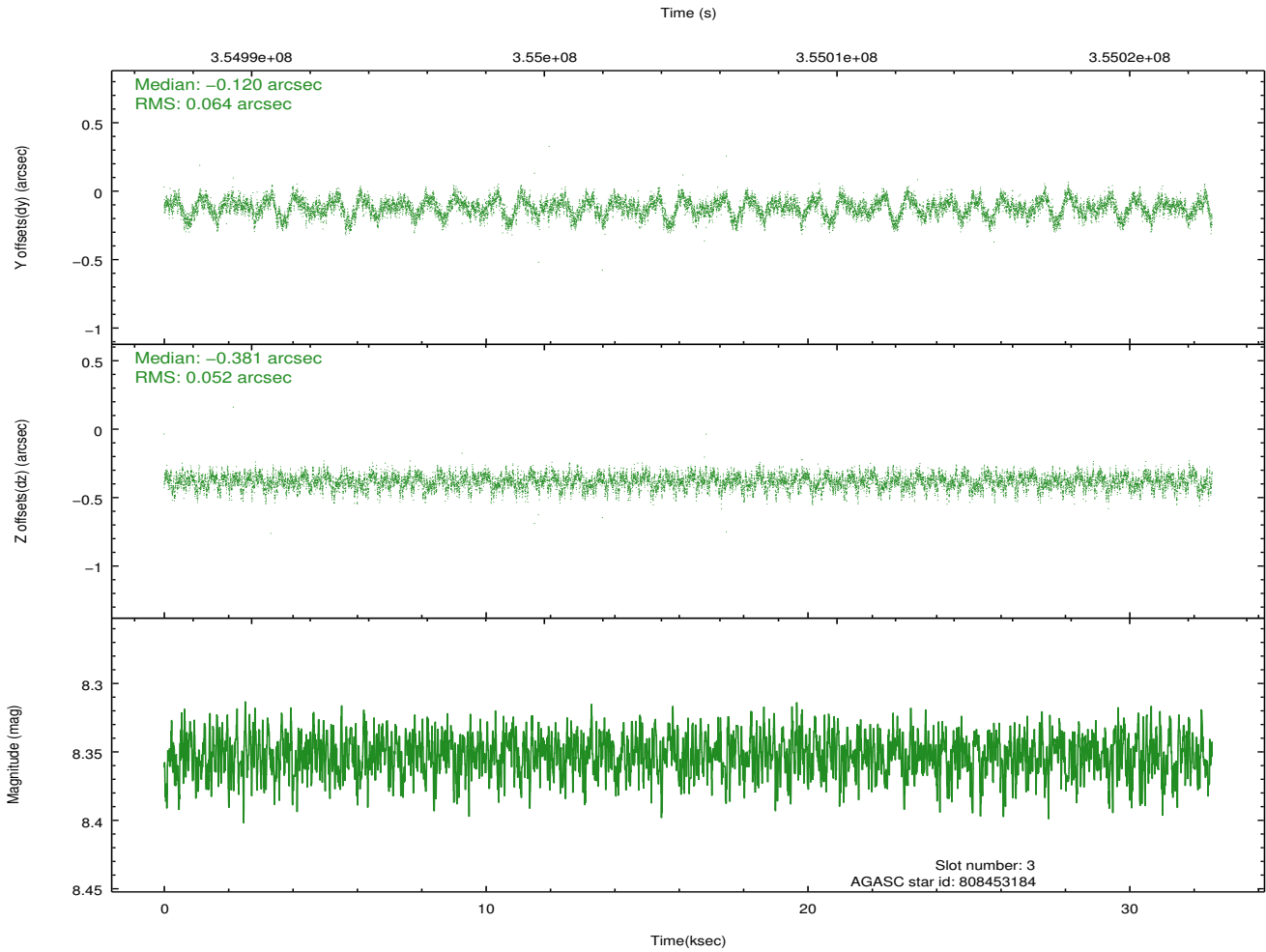
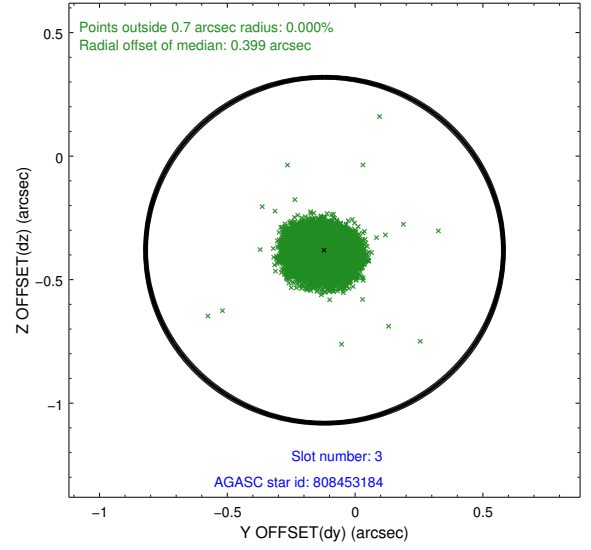
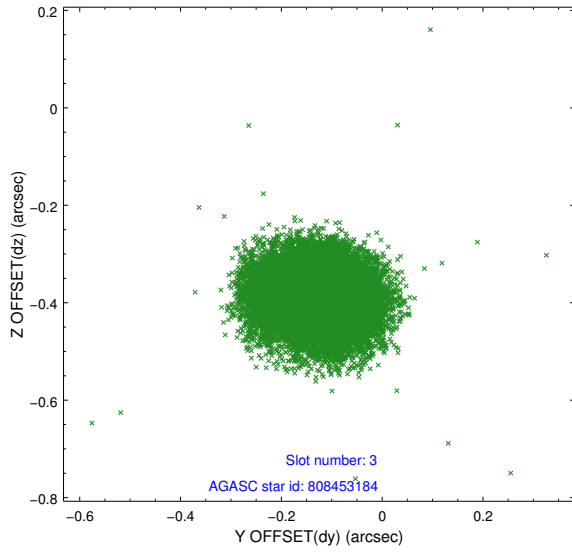


Slot Statistics

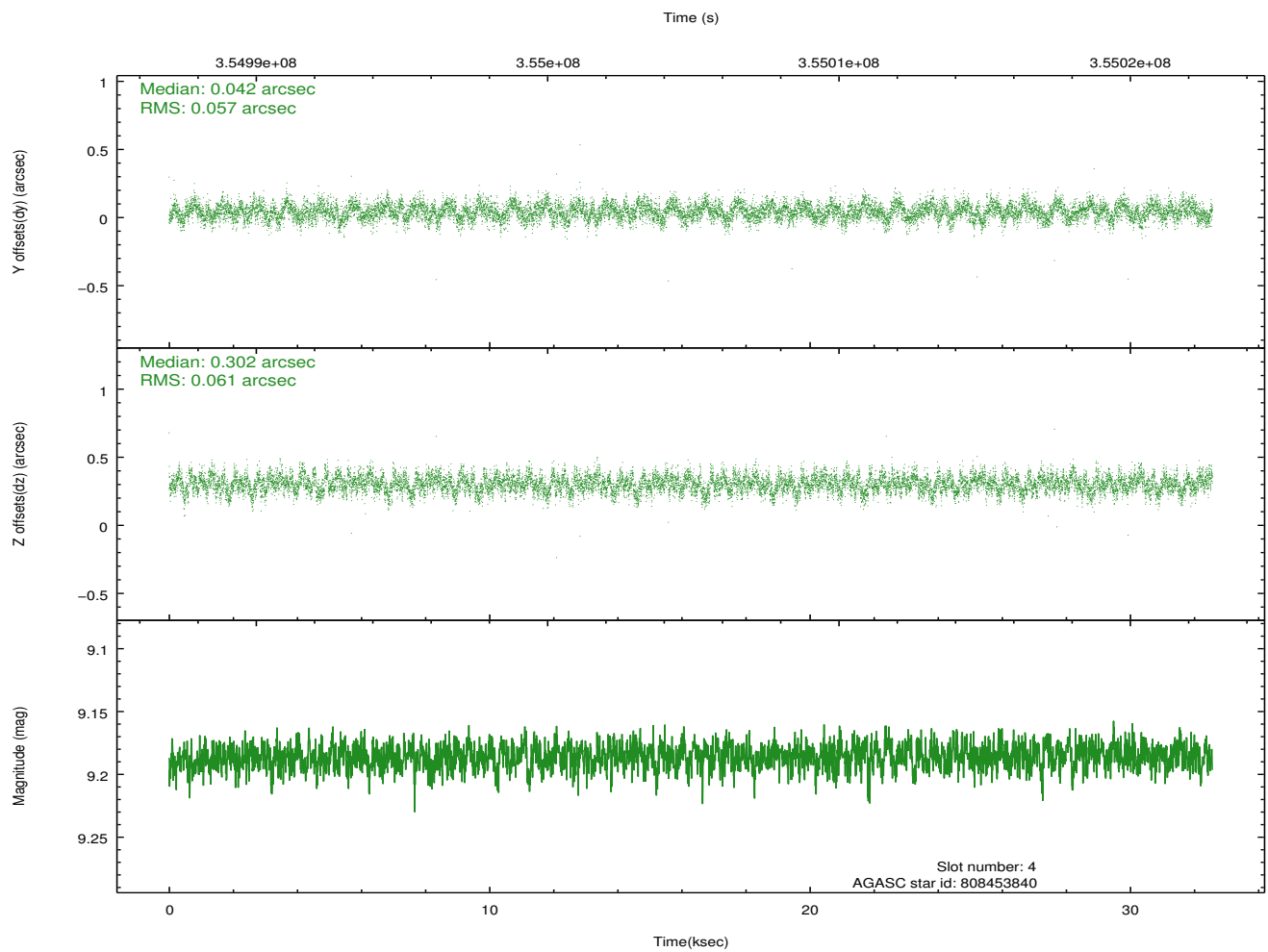
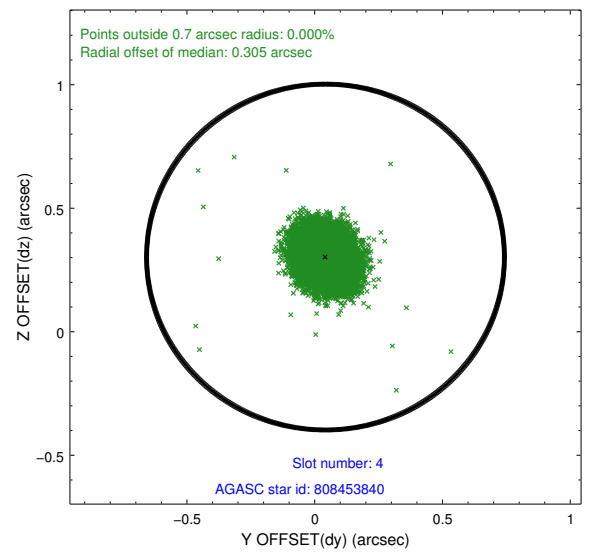
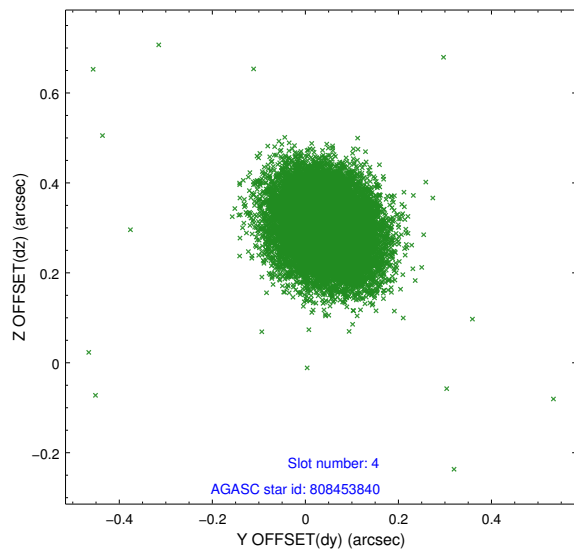
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.93	7942	-0.096	-0.028	0.007	0.011	0.000000	0.000000	-768.81	-1735.85
1	FID	ACIS-S-4	7.01	7943	0.181	0.054	0.008	0.015	0.000000	0.000000	2144.71	172.67
2	FID	ACIS-S-5	7.04	7943	-0.116	-0.017	0.008	0.014	0.000000	0.000000	-1821.61	166.32
3	GUIDE	808453184	8.35	15876	-0.120	-0.381	0.088	0.139	224.280112	-16.514862	136.02	2118.98
4	GUIDE	808453840	9.19	15874	0.042	0.302	0.087	0.142	224.867194	-16.835206	-408.61	-145.56
5	GUIDE	808454800	8.11	15878	-0.158	-0.200	0.072	0.110	224.408644	-16.411221	617.82	1797.64
6	GUIDE	808984880	8.84	15876	0.030	0.238	0.091	0.140	225.371506	-17.032226	-611.84	-2010.40
7	GUIDE	808986064	8.85	15876	0.208	0.043	0.069	0.113	224.577796	-17.244761	-2101.60	403.49

2.4 Star Slots

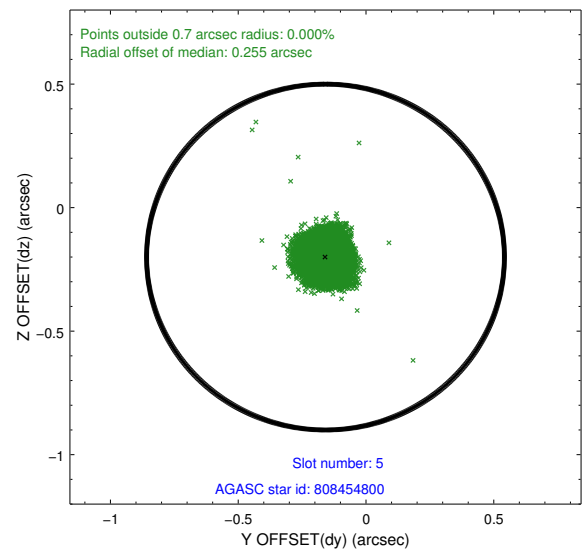
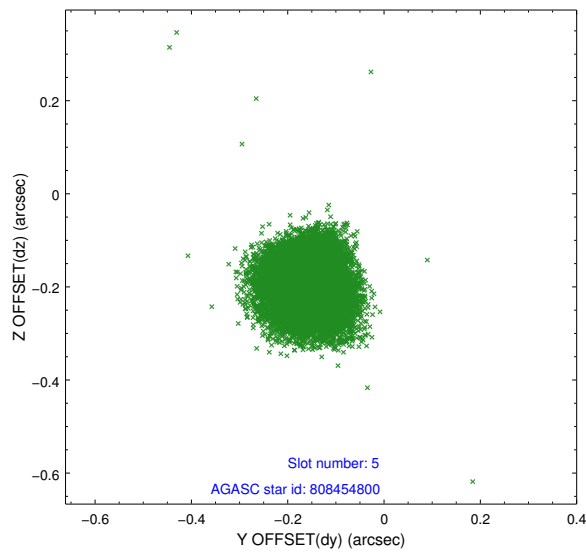
2.4.1 Slot 3



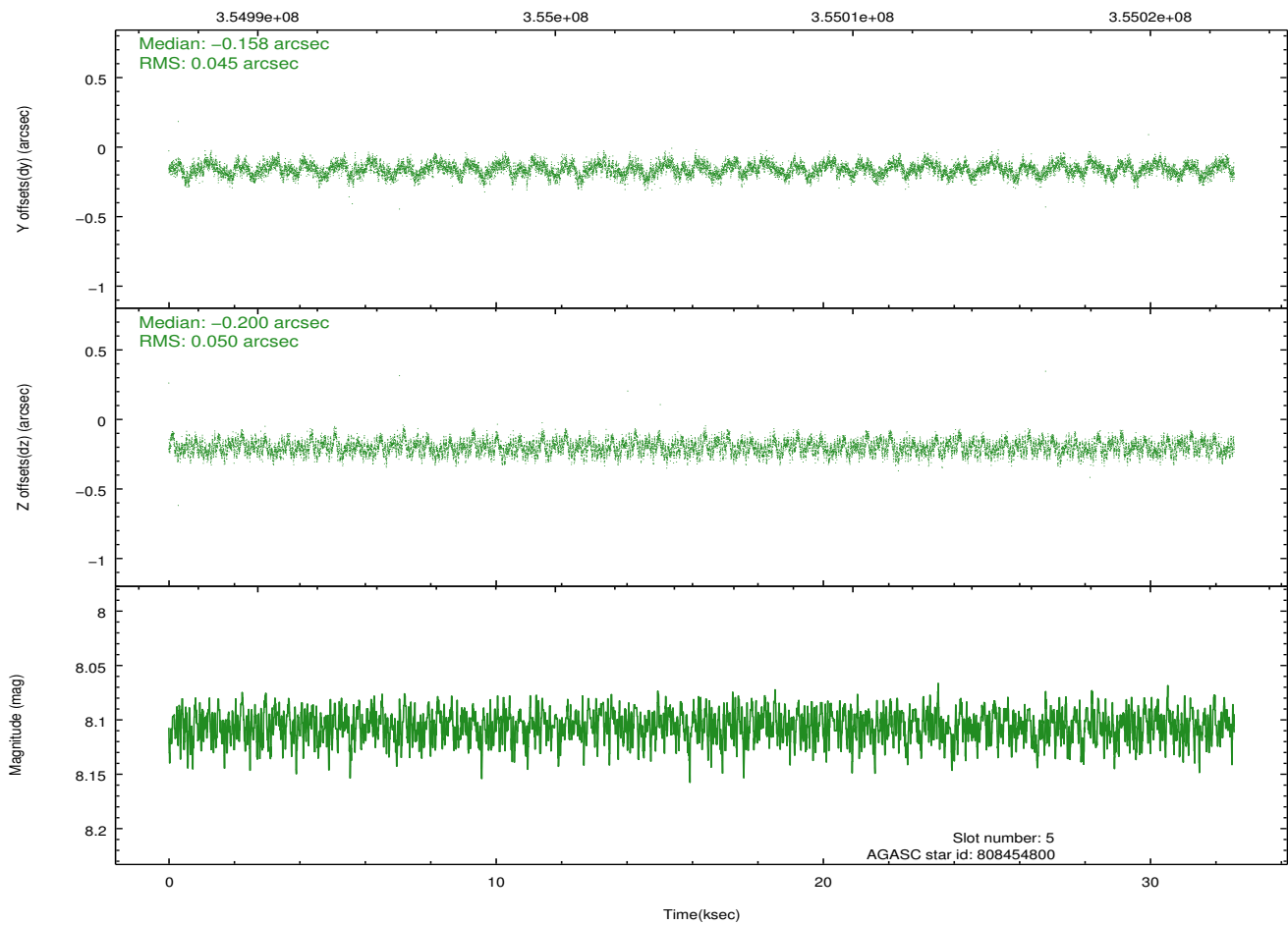
2.4.2 Slot 4



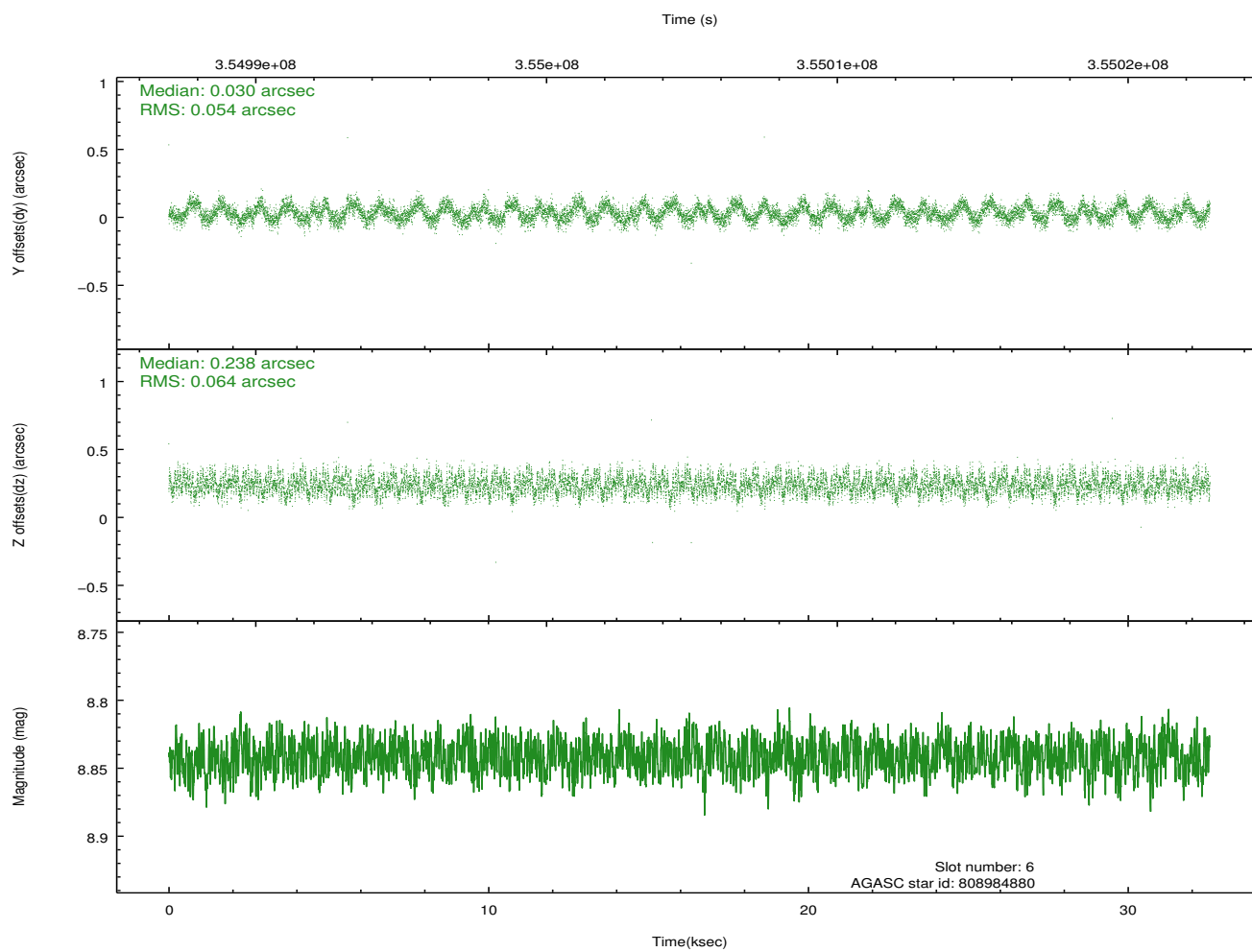
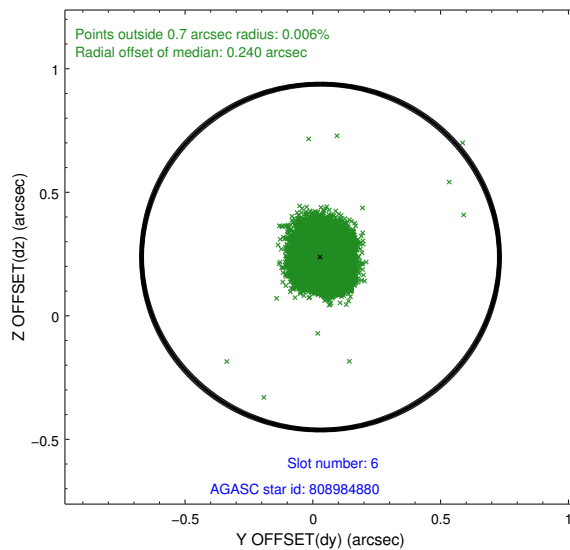
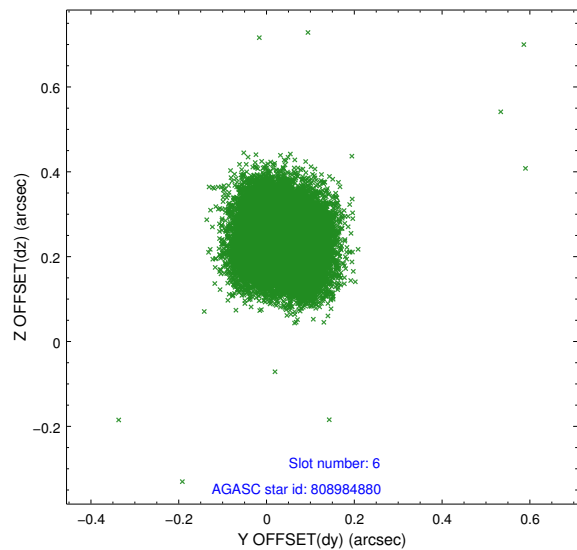
2.4.3 Slot 5



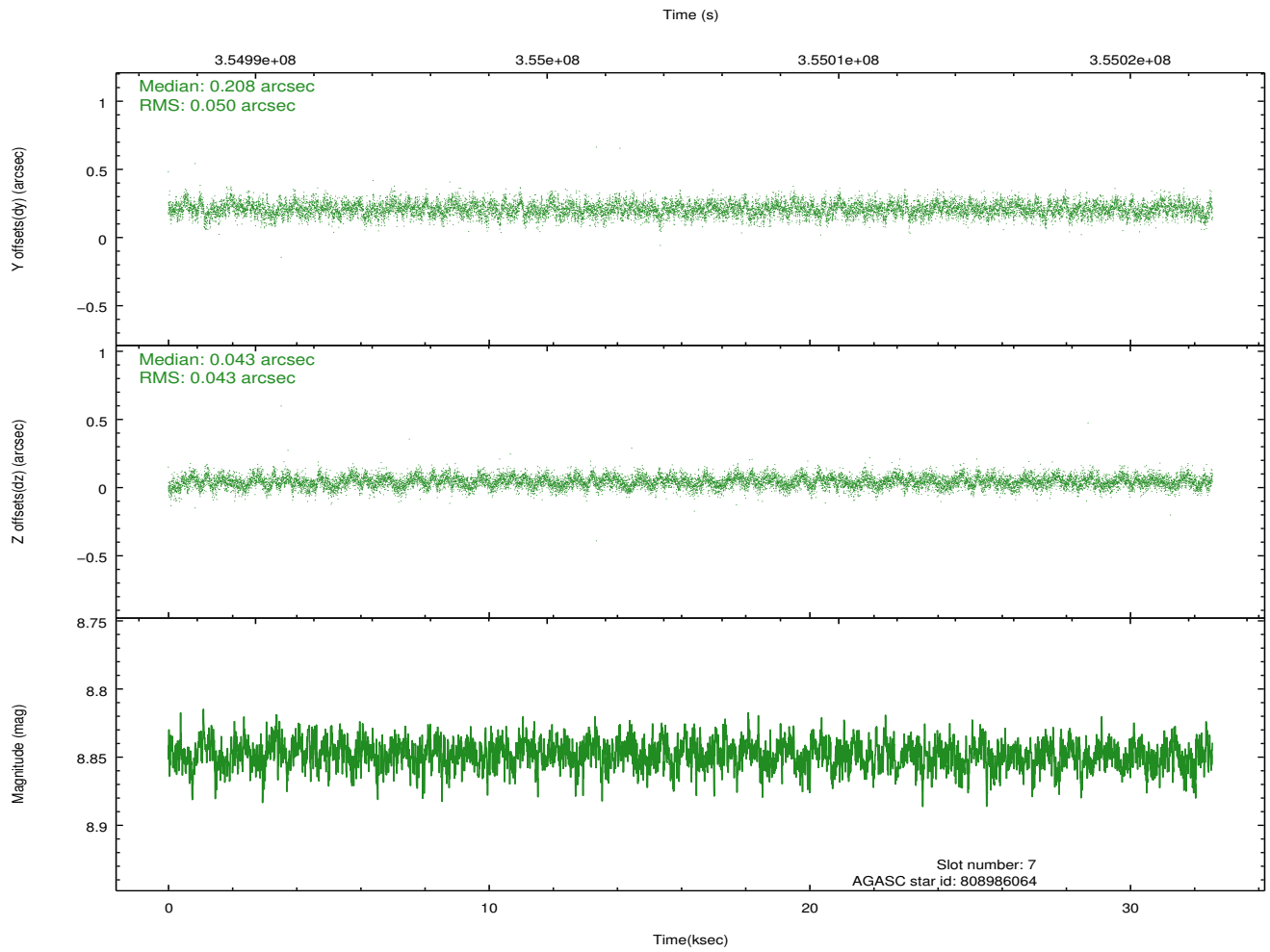
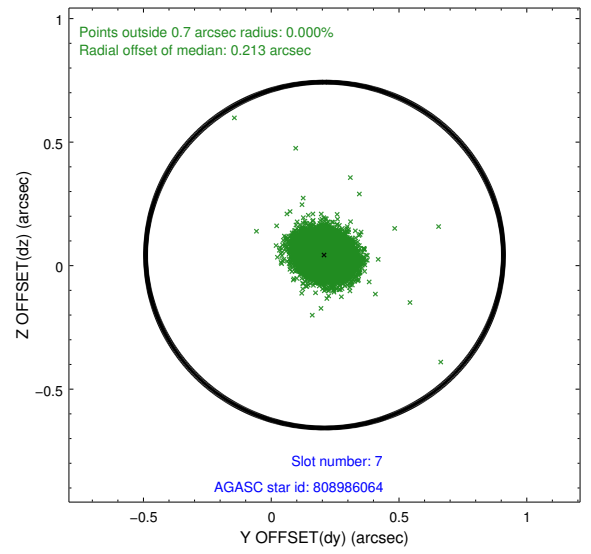
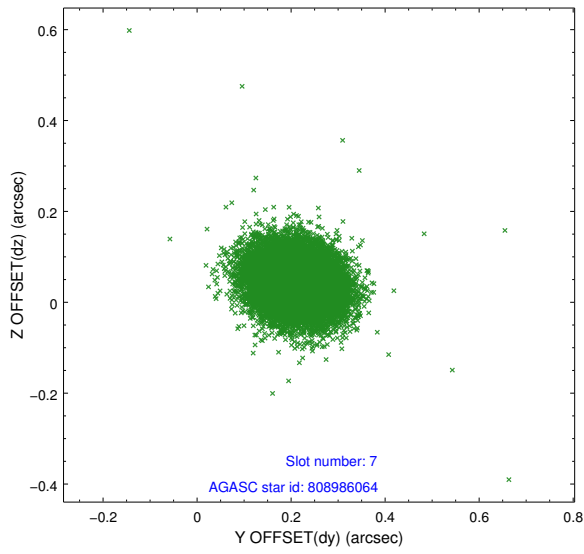
Time (s)



2.4.4 Slot 6

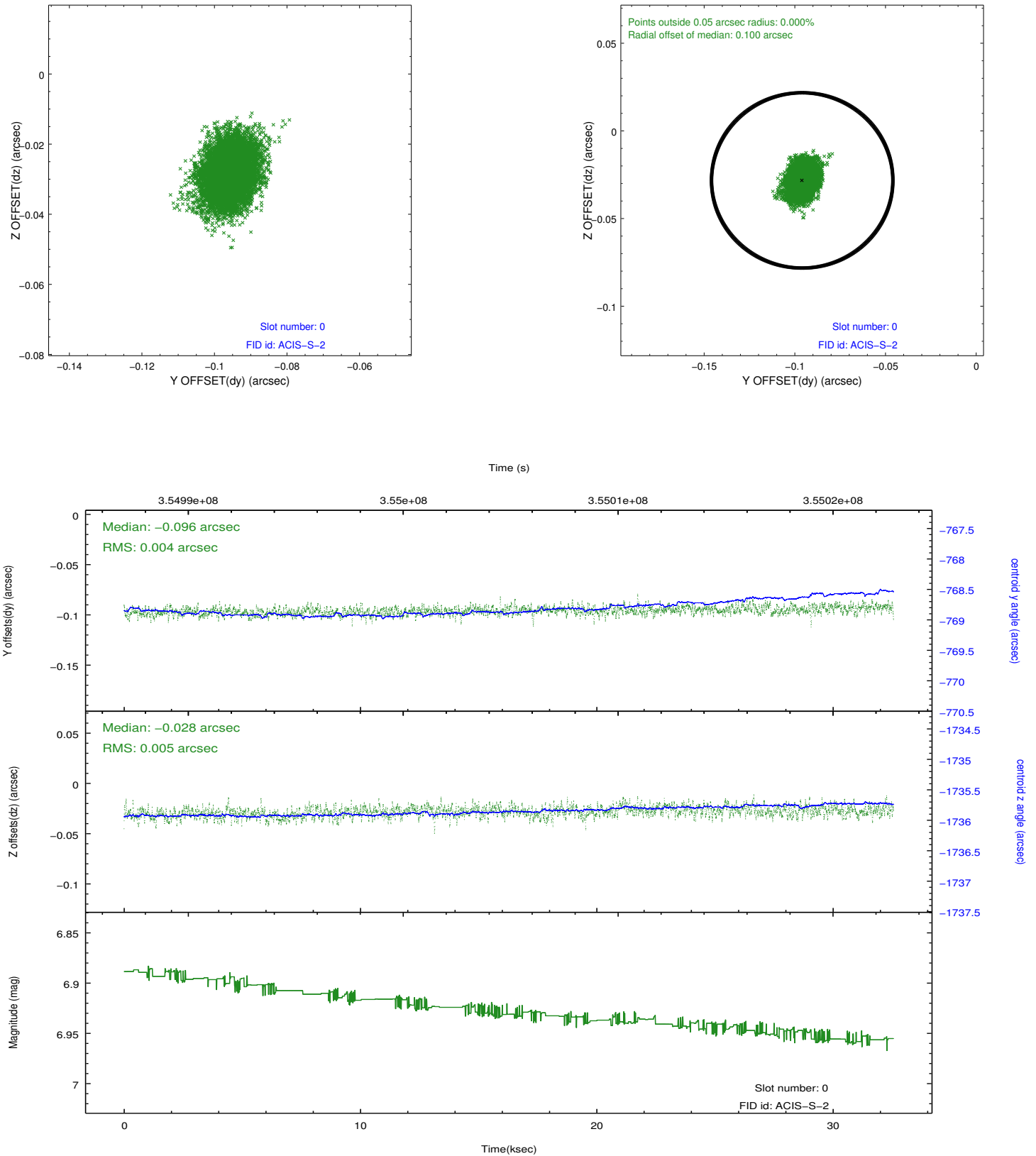


2.4.5 Slot 7

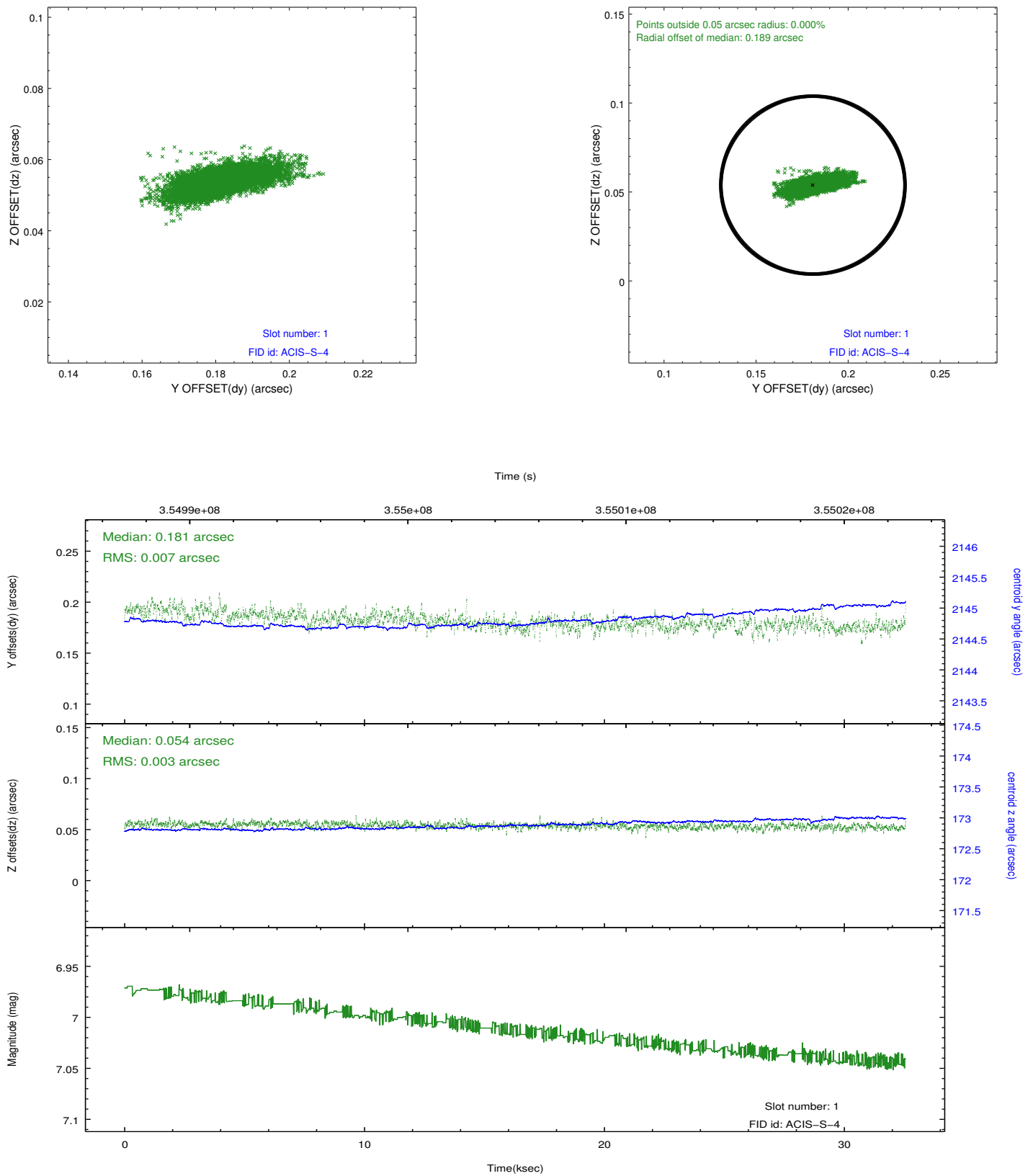


2.5 FID Slots

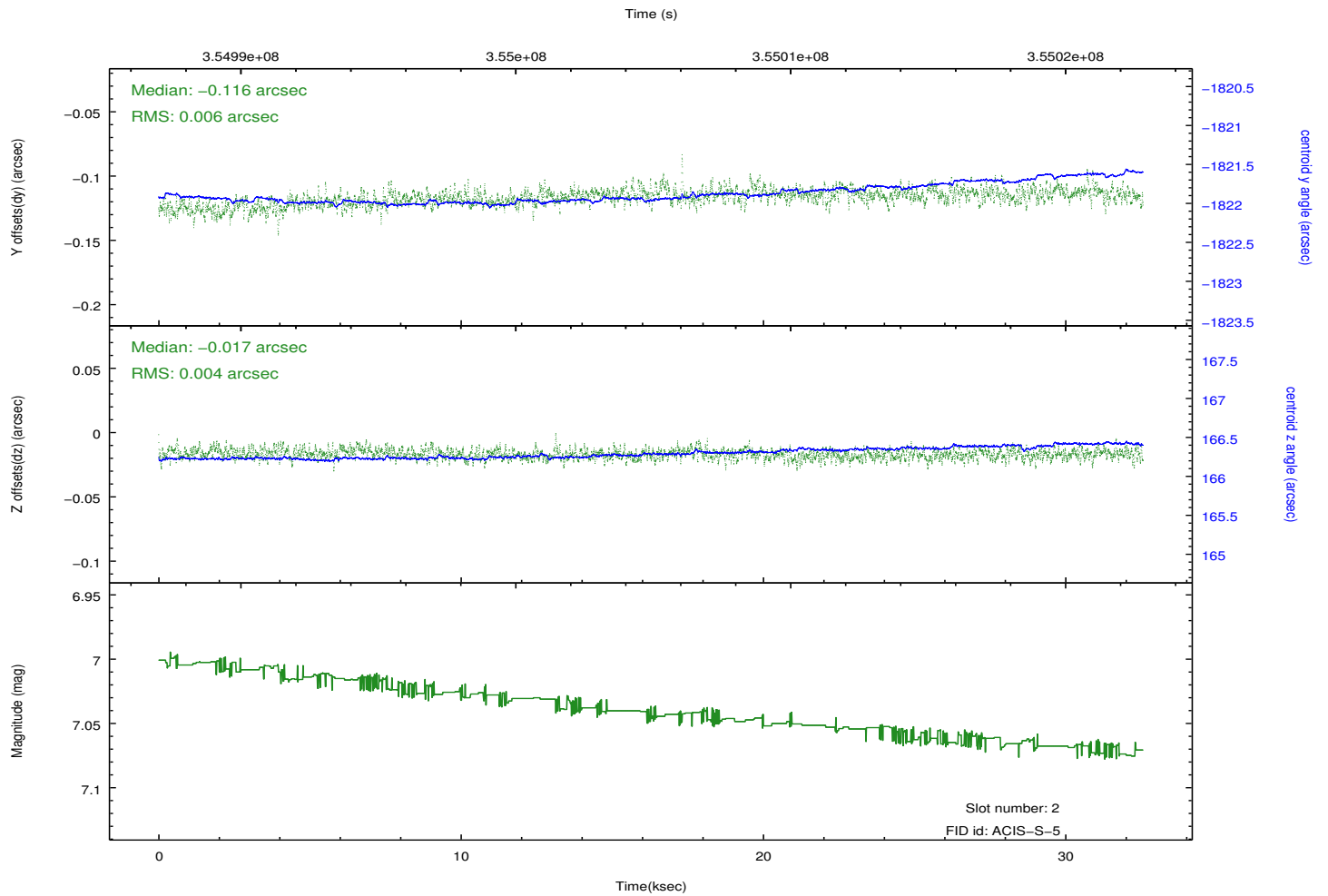
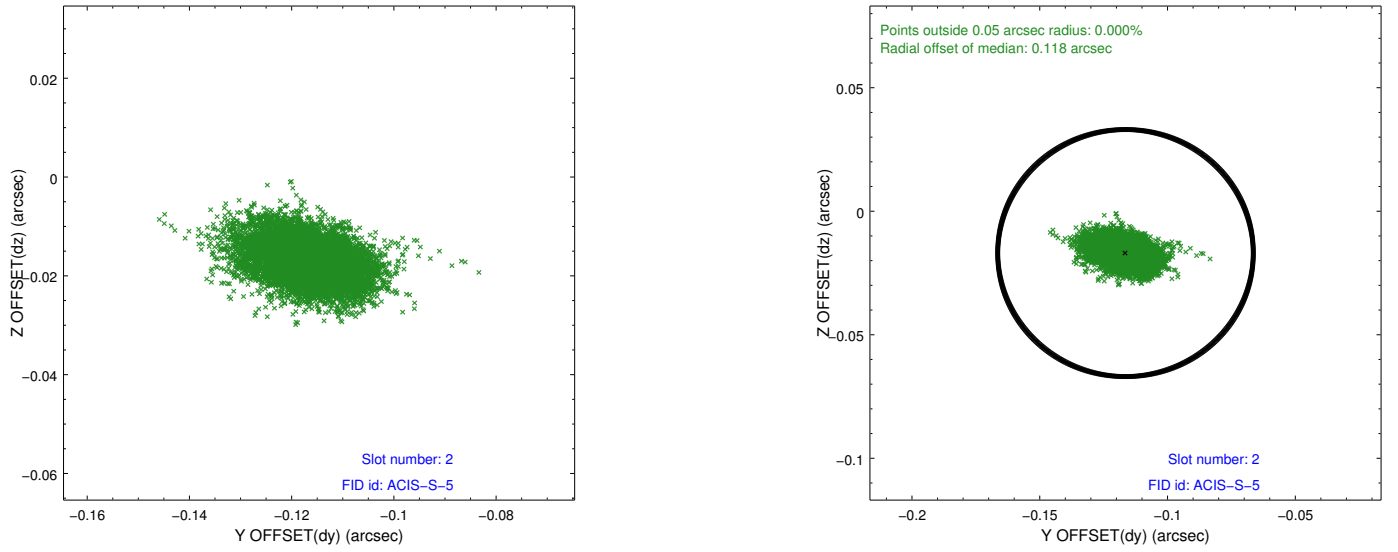
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	32.0383998

A.2 Comments

Joint proposal: HST