

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1983 - L2 Version 3
Chandra X-Ray Center

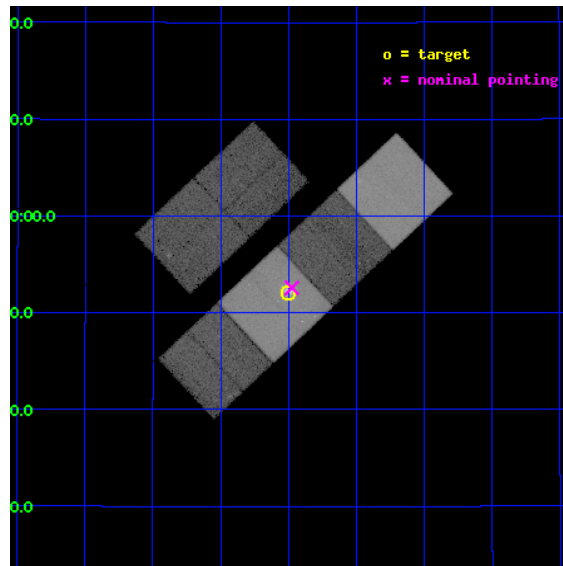
L2 Processing Date : Sep 17 2012

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1 Front

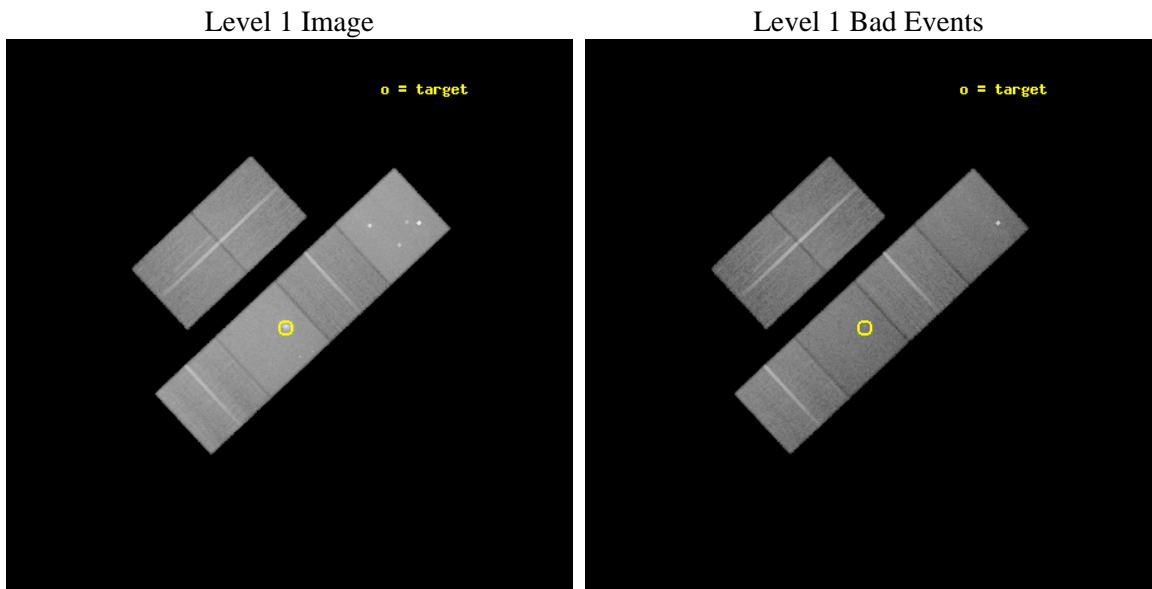
seq_num	500160	Sequence number
obs_id	1983	Observation id
title	SNR G54.1+0.3: A SNR WITH AN X-RAY JET	Proposal title
observer	Dr. Fangjun Lu	Principal investigator
object	SNR G54.1+0.3	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	292.625	Observer's specified target RA [deg]
dec_targ	18.868611	Observer's specified target Dec [deg]
ra_nom	292.61883685229	Nominal RA [deg]
dec_nom	18.876448410065	Nominal Dec [deg]
roll_nom	136.93058269807	Nominal Roll [deg]
revision	3	Processing version of data
ontime	38956.759076014	Sum of GTIs [s]
liveltime	38463.46513565	Livetime [s]
ontime2	38956.759076014	Sum of GTIs [s]
ontime3	38956.759046093	Sum of GTIs [s]
ontime5	38956.759076014	Sum of GTIs [s]
ontime6	38956.759066015	Sum of GTIs [s]
ontime7	38956.759076014	Sum of GTIs [s]
ontime8	38960.000036269	Sum of GTIs [s]
l2events	480402	Number of level 2 events



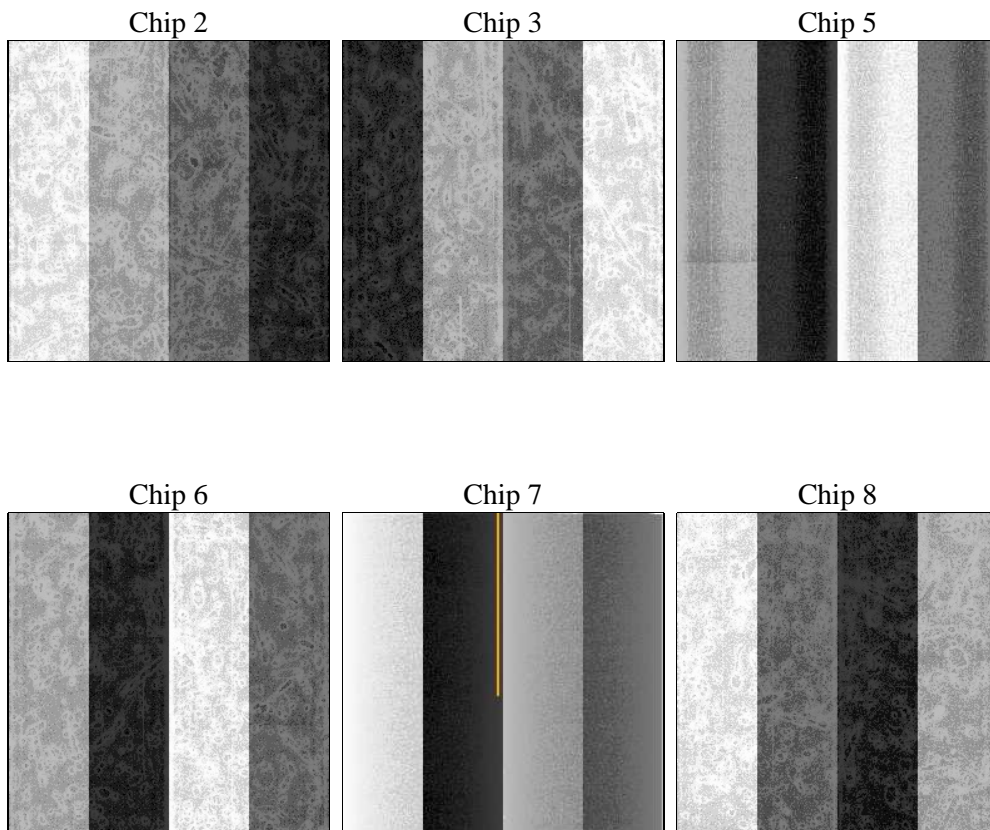
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	38822.213000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	38956.759076014	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	38956.759076014	Sum of GTIs [s]
date	2012-09-17T20:08:05	Date and time of file creation	ontime3	38956.759046093	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	38956.759076014	Sum of GTIs [s]
			ontime6	38956.759066015	Sum of GTIs [s]
			ontime7	38956.759076014	Sum of GTIs [s]
			ontime8	38960.000036269	Sum of GTIs [s]
			l1events	1906758	Number of level 1 events

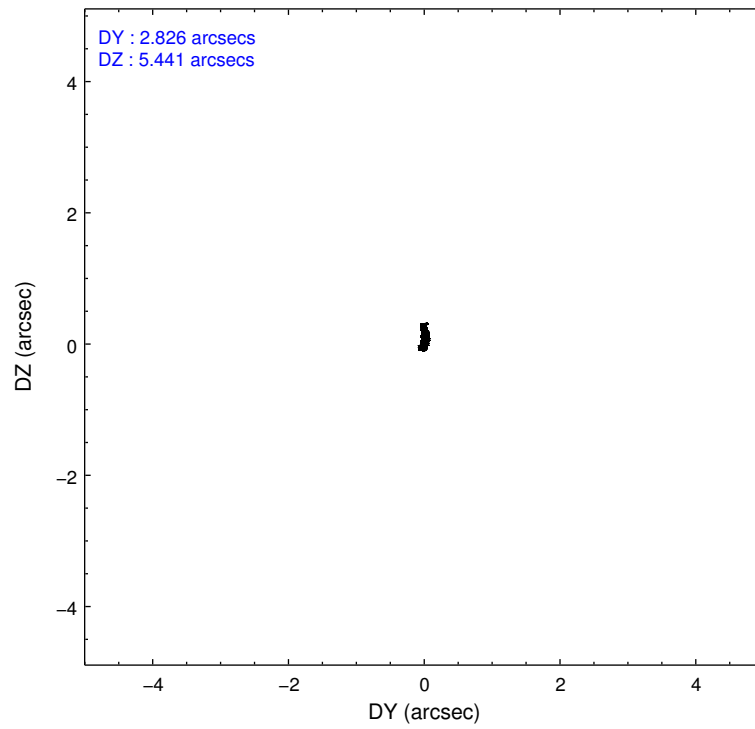
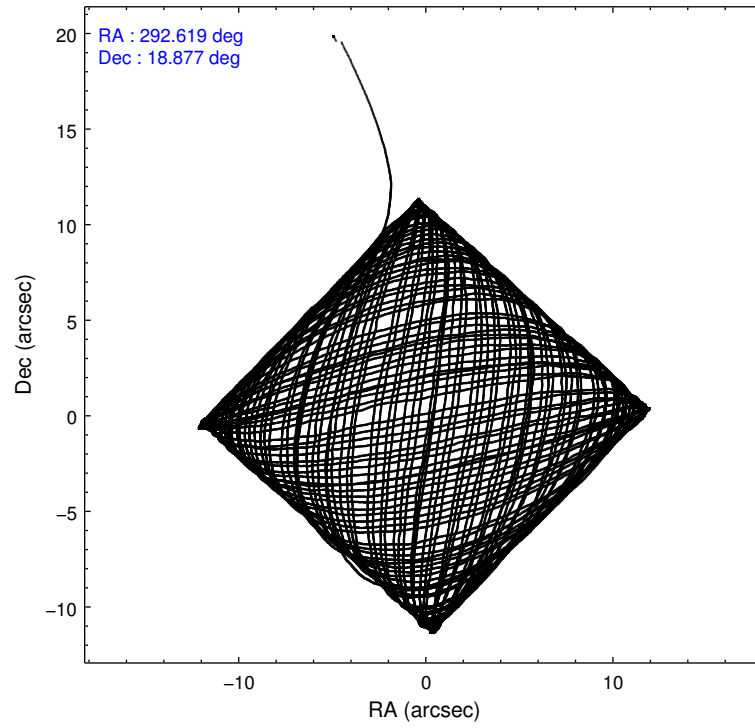
2.1.4 Events

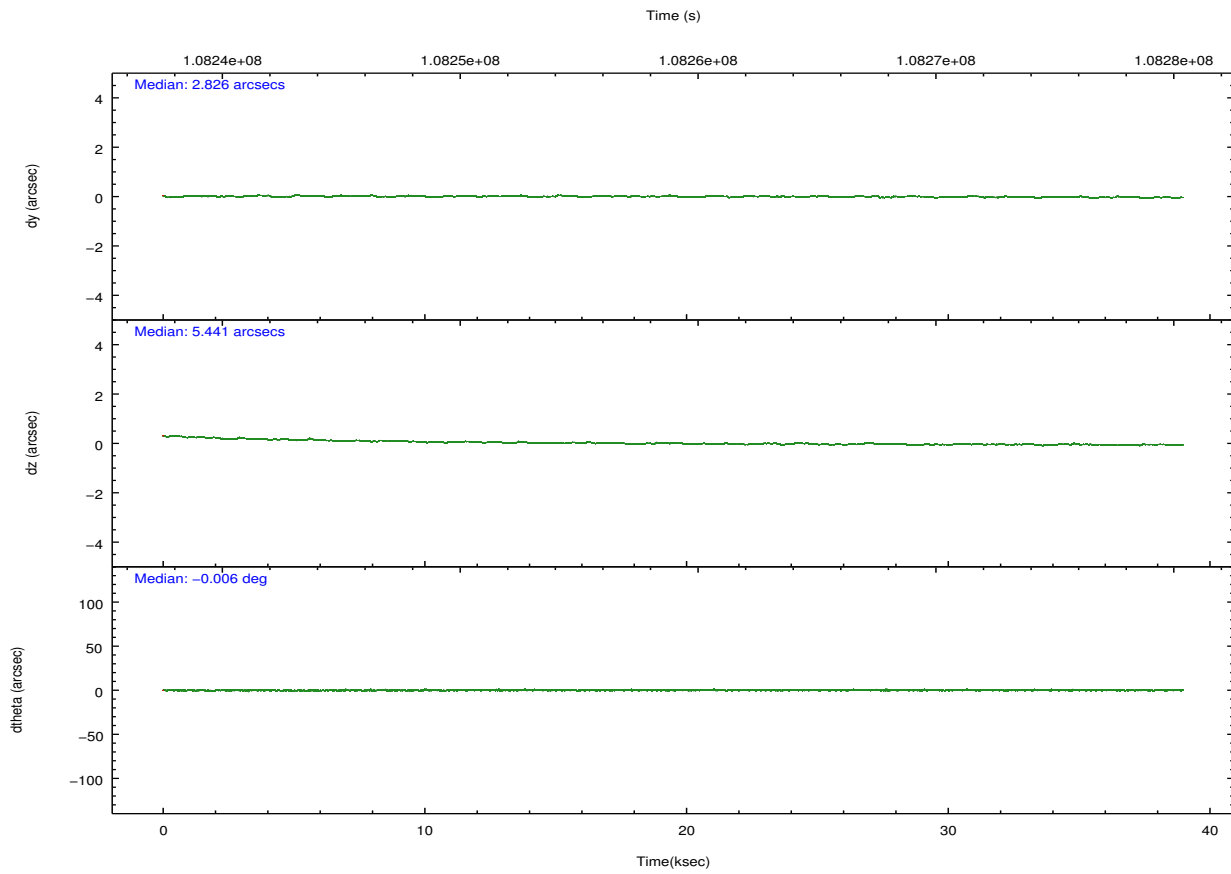
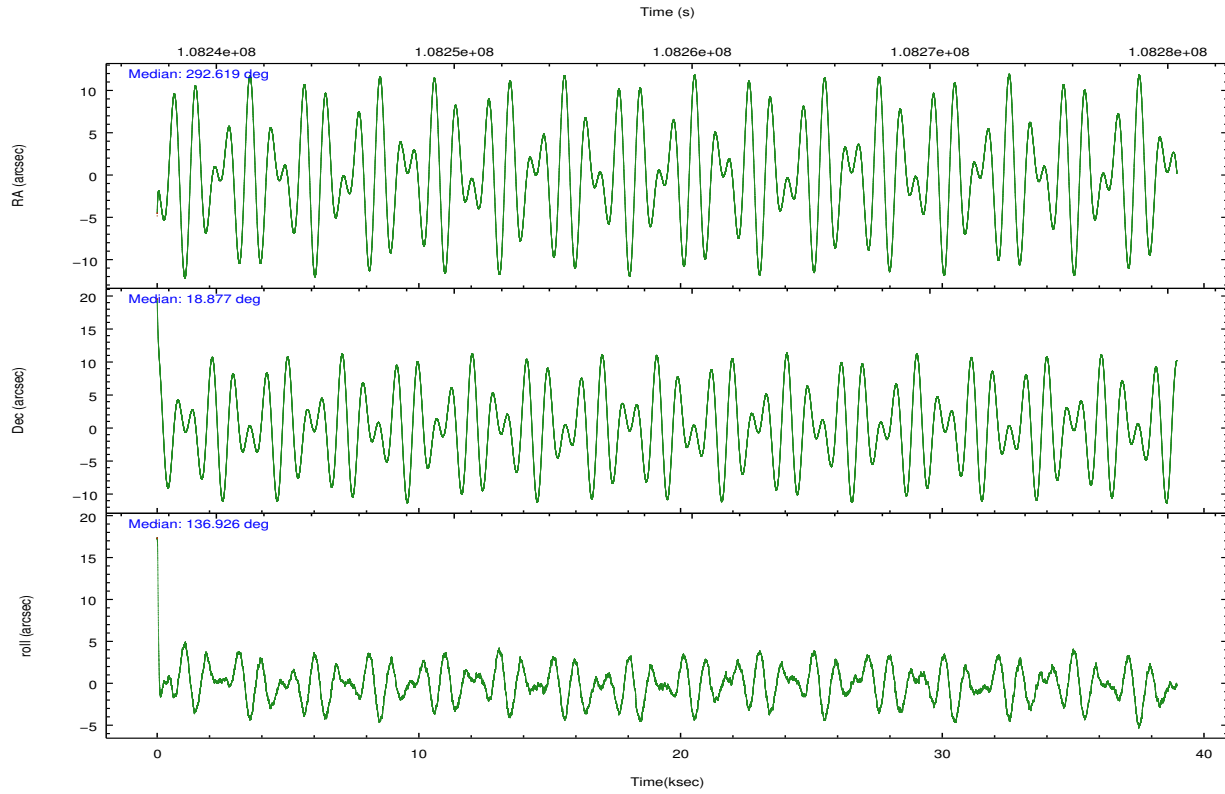
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	267635	250913	410365	265382	383083	329380	grade 0 events	13670	13987	28862	14875	22142	23751
rejected events	236975	220583	207054	232700	195527	260587		5%	5%	7%	5%	5%	7%
rejected %	88%	87%	50%	87%	51%	79%	grade 1 events	130	122	5080	120	338	196
								0%	0%	1%	0%	0%	0%
							grade 2 events	6701	5861	61922	6423	38316	14615
								2%	2%	15%	2%	10%	4%
							grade 3 events	2796	2876	9485	3055	17503	7587
								1%	1%	2%	1%	4%	2%
							grade 4 events	2872	2957	9213	2962	17462	7052
								1%	1%	2%	1%	4%	2%
							grade 5 events	8918	9695	27776	10846	31967	13669
								3%	3%	6%	4%	8%	4%
							grade 6 events	5084	5129	96910	5910	94570	16958
								1%	2%	23%	2%	24%	5%
							grade 7 events	227464	210286	171117	221191	160785	245552
								84%	83%	41%	83%	41%	74%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	292.646991	292.6188368522896	Subarray requested	NONE	NONE
[deg] Pointing Dec	18.870553	18.87644841006458	Alternating exposures requested	N	N
[deg] Pointing Roll	136.764838	136.9305826980724	[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)	108239608.184000	108238218.24999			
Observation start date	2001-06-06T18:32:24	2001-06-06T18:10:18			
[s] Observation end time (MET)	108278430.184000	108278744.70156			
Observation end date	2001-06-07T05:19:26	2001-06-07T05:25:44			
Read mode	TIMED	TIMED			

2.3 Aspect



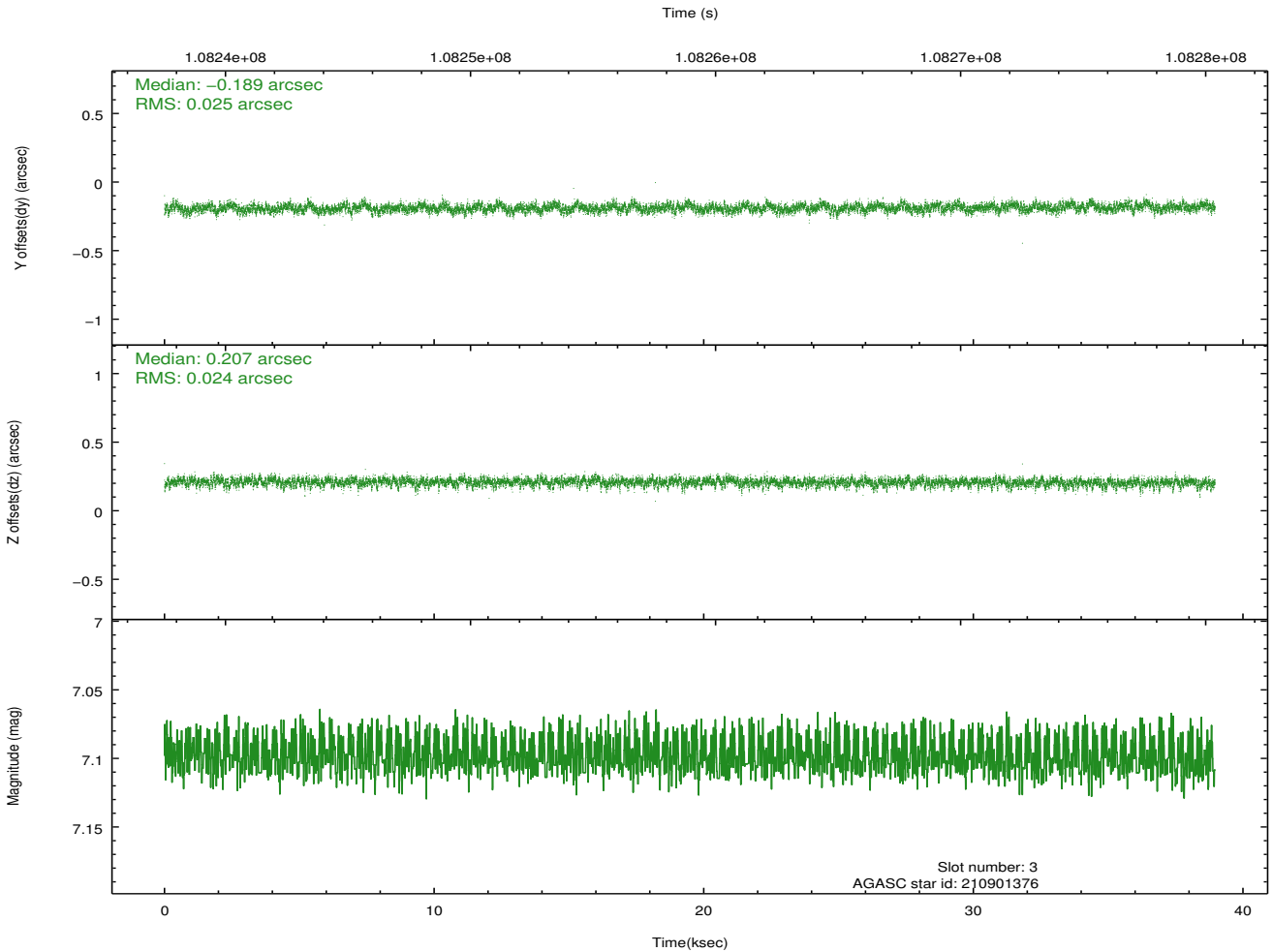
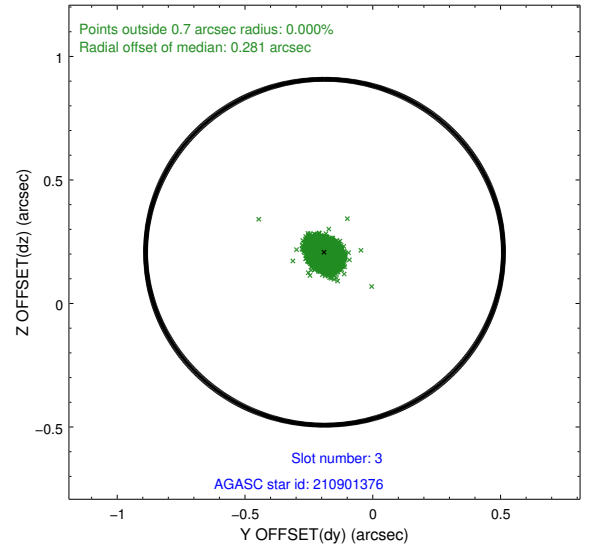
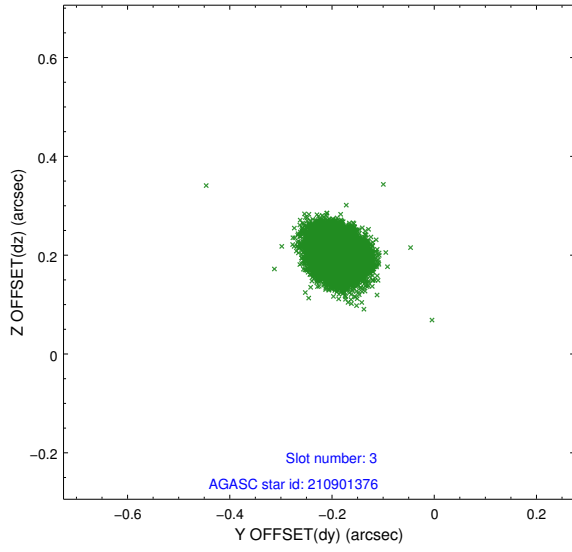


Slot Statistics

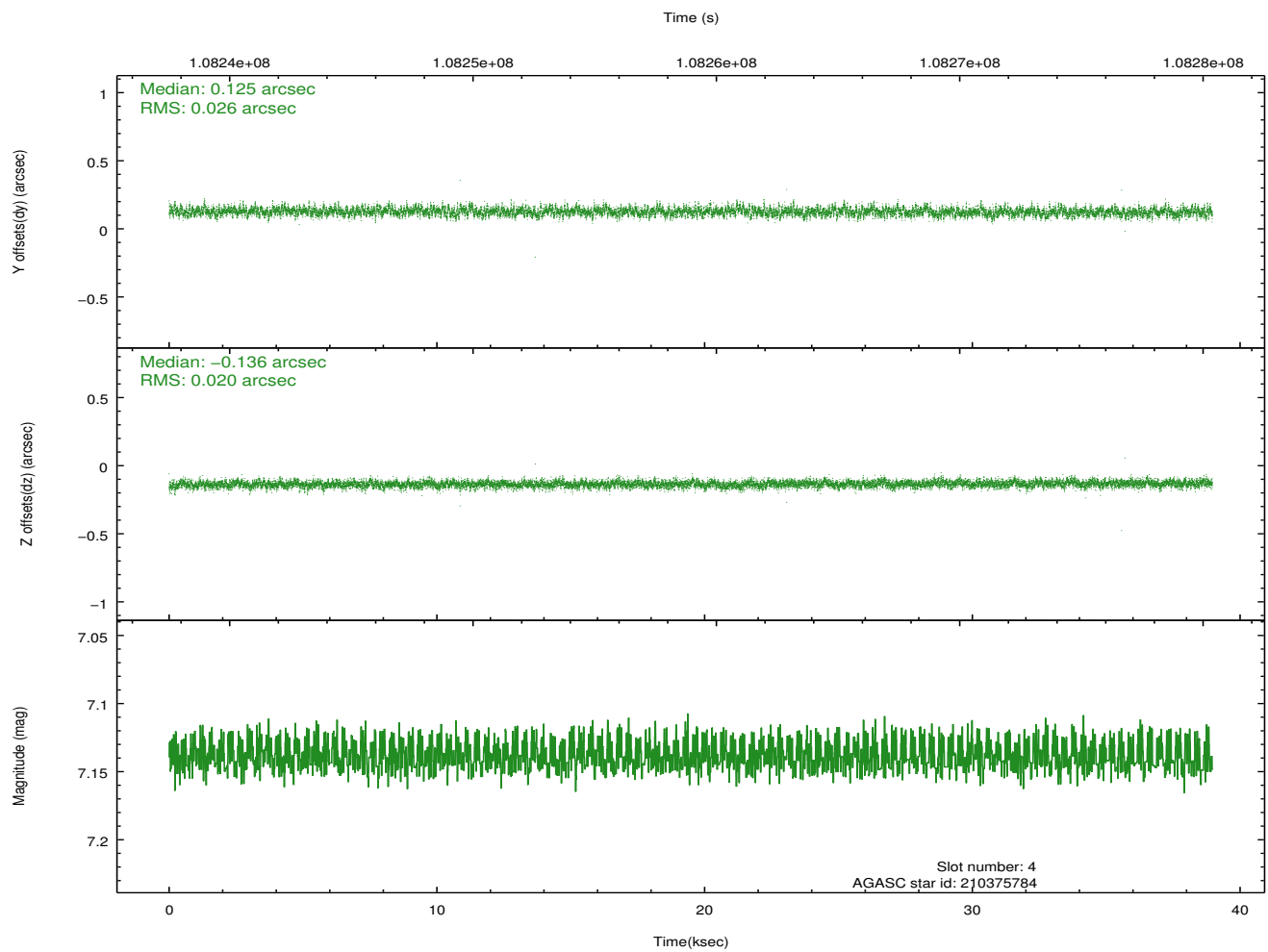
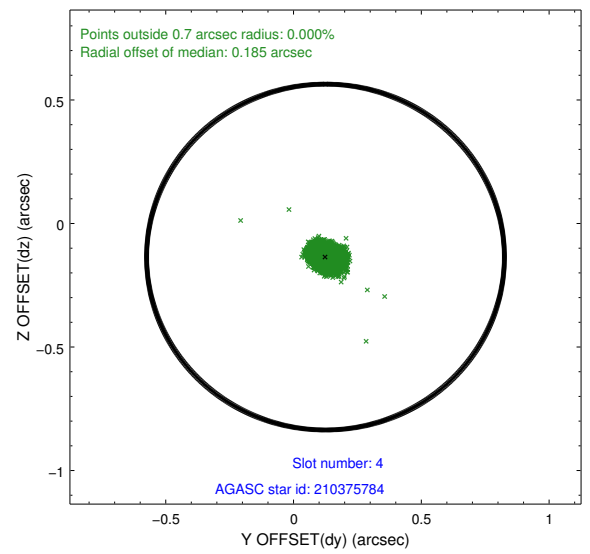
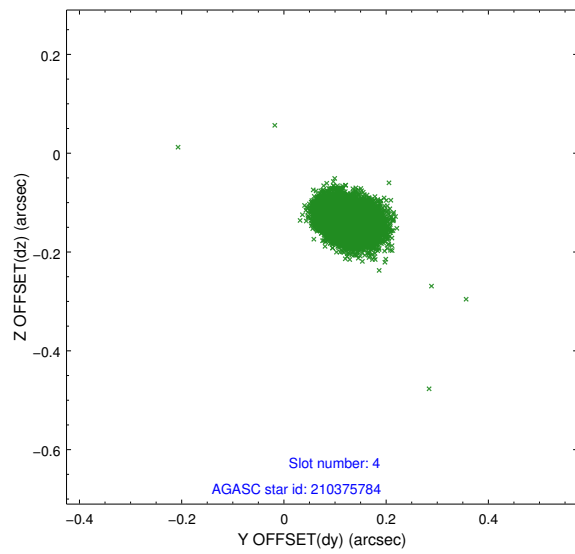
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	9504	-0.025	0.008	0.007	0.012	0.000000	0.000000	-755.44	-1726.55
1	FID	ACIS-S-4	7.20	9503	-0.044	0.010	0.006	0.011	0.000000	0.000000	2157.76	181.99
2	FID	ACIS-S-5	7.24	9505	0.038	-0.009	0.007	0.012	0.000000	0.000000	-1808.24	175.56
3	GUIDE	210901376	7.10	19005	-0.189	0.207	0.036	0.061	292.749631	19.434076	1135.34	-1716.35
4	GUIDE	210375784	7.14	19006	0.125	-0.136	0.034	0.058	292.707024	18.250669	-1678.59	1484.97
5	GUIDE	210370904	7.80	19000	-0.003	-0.096	0.044	0.070	292.563039	18.704932	-200.44	630.56
6	GUIDE	210900512	7.80	19005	-0.113	-0.076	0.044	0.072	292.050352	18.917419	1597.53	1266.69
7	GUIDE	210376496	8.66	18998	0.181	0.103	0.053	0.087	293.385337	18.705566	-2237.64	-1295.63

2.4 Star Slots

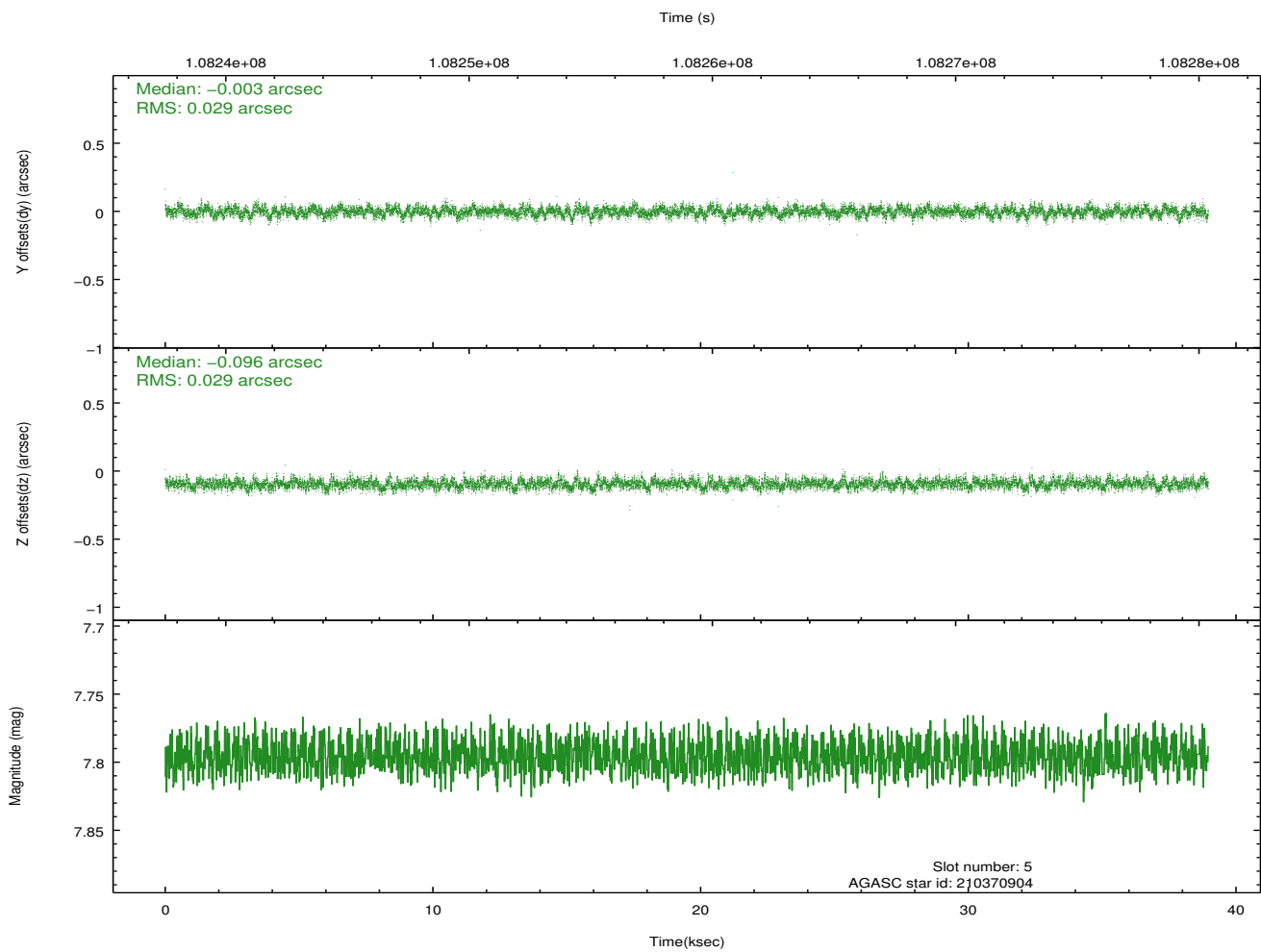
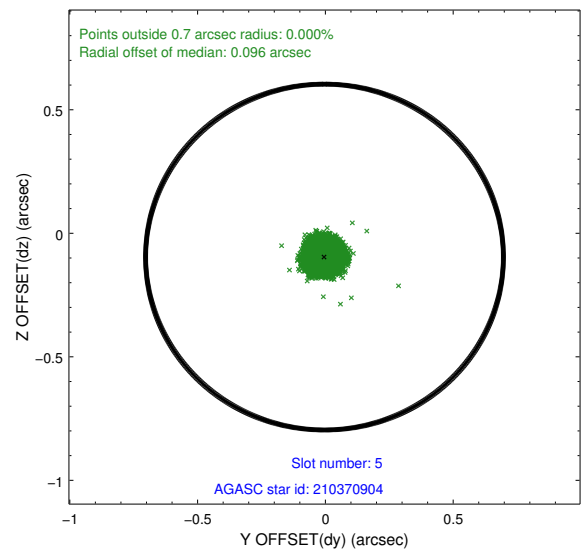
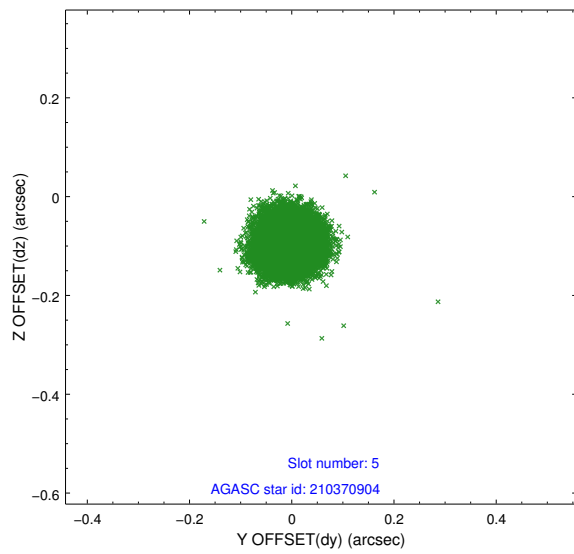
2.4.1 Slot 3



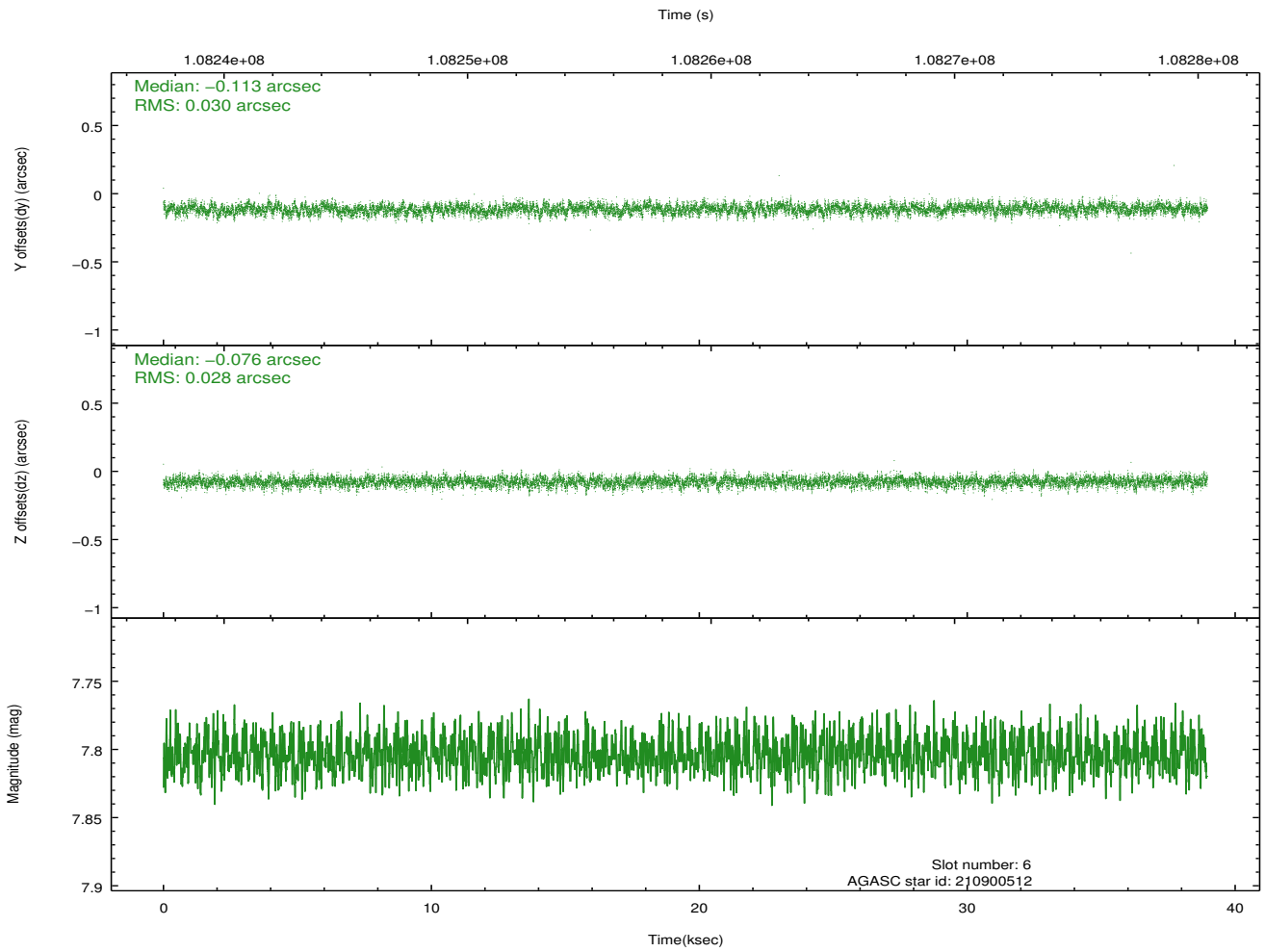
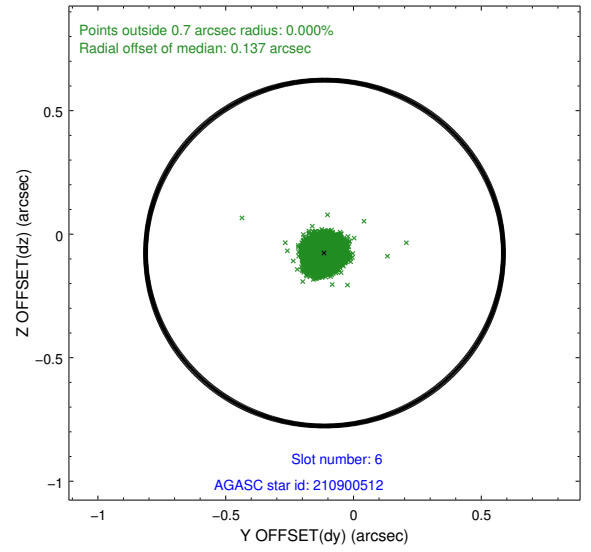
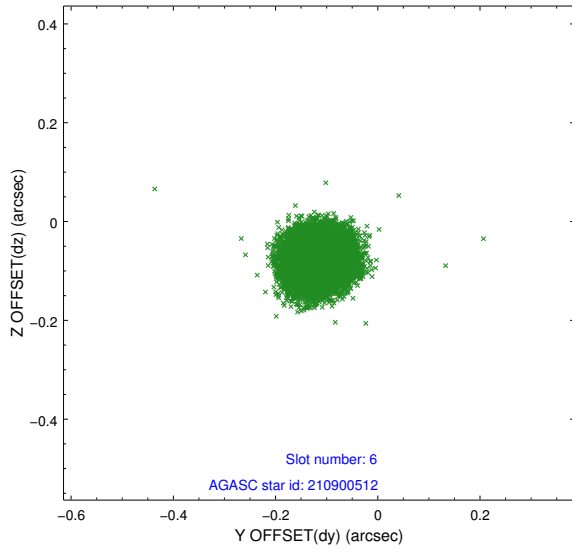
2.4.2 Slot 4



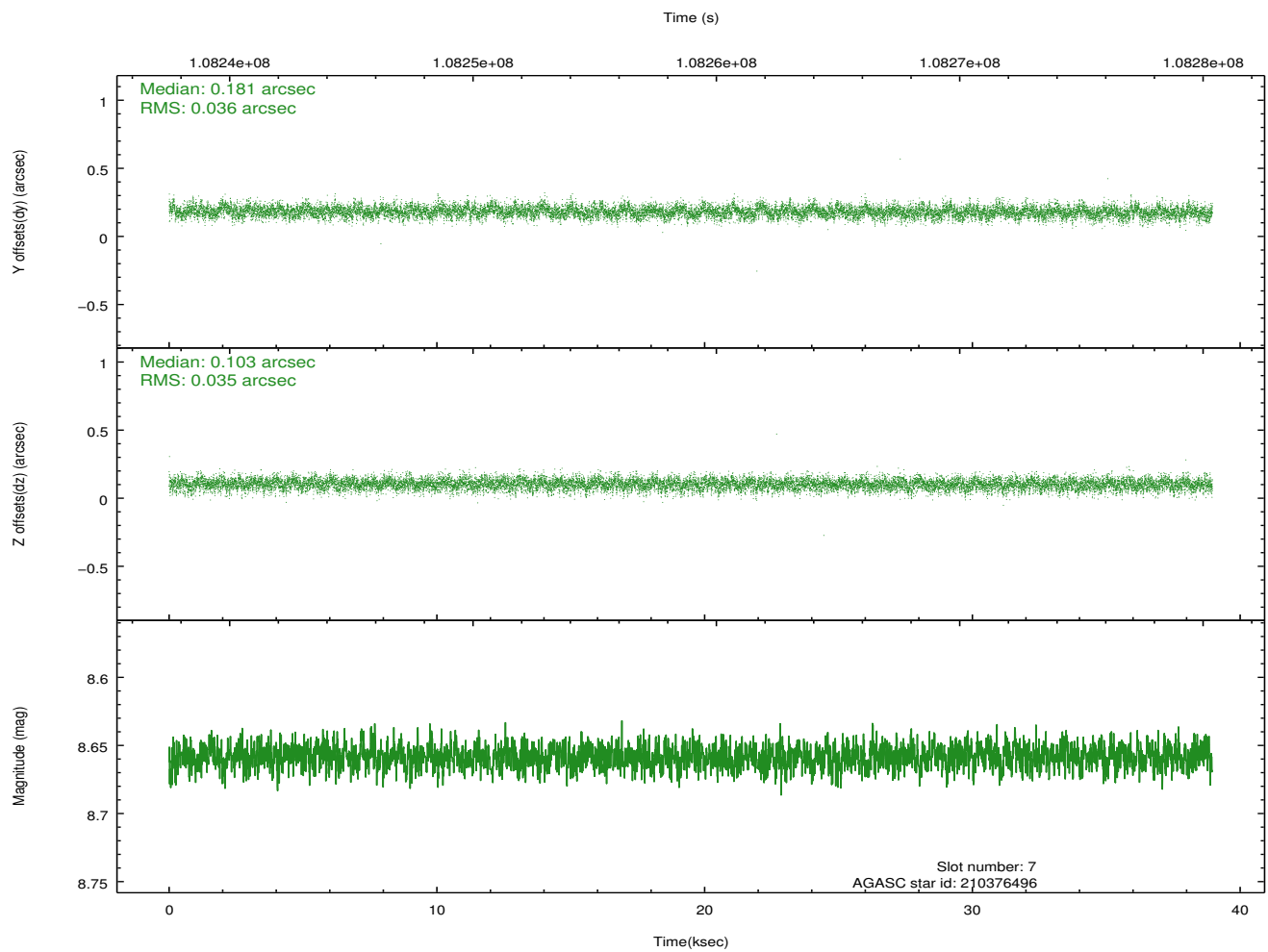
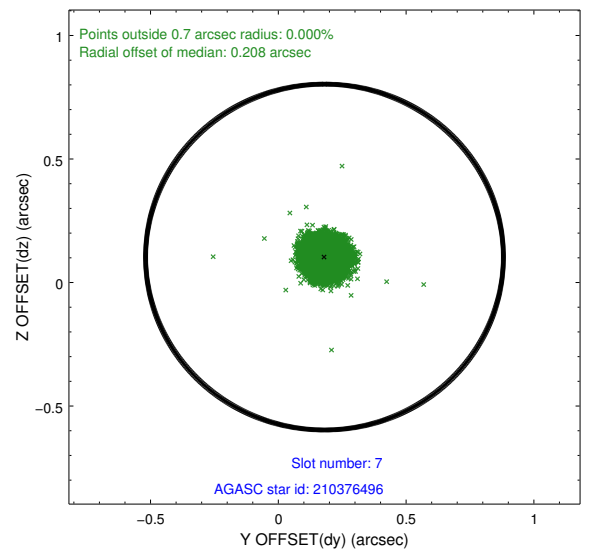
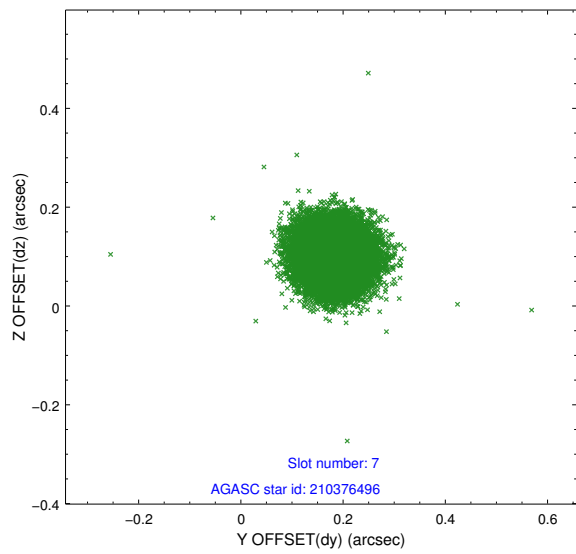
2.4.3 Slot 5



2.4.4 Slot 6

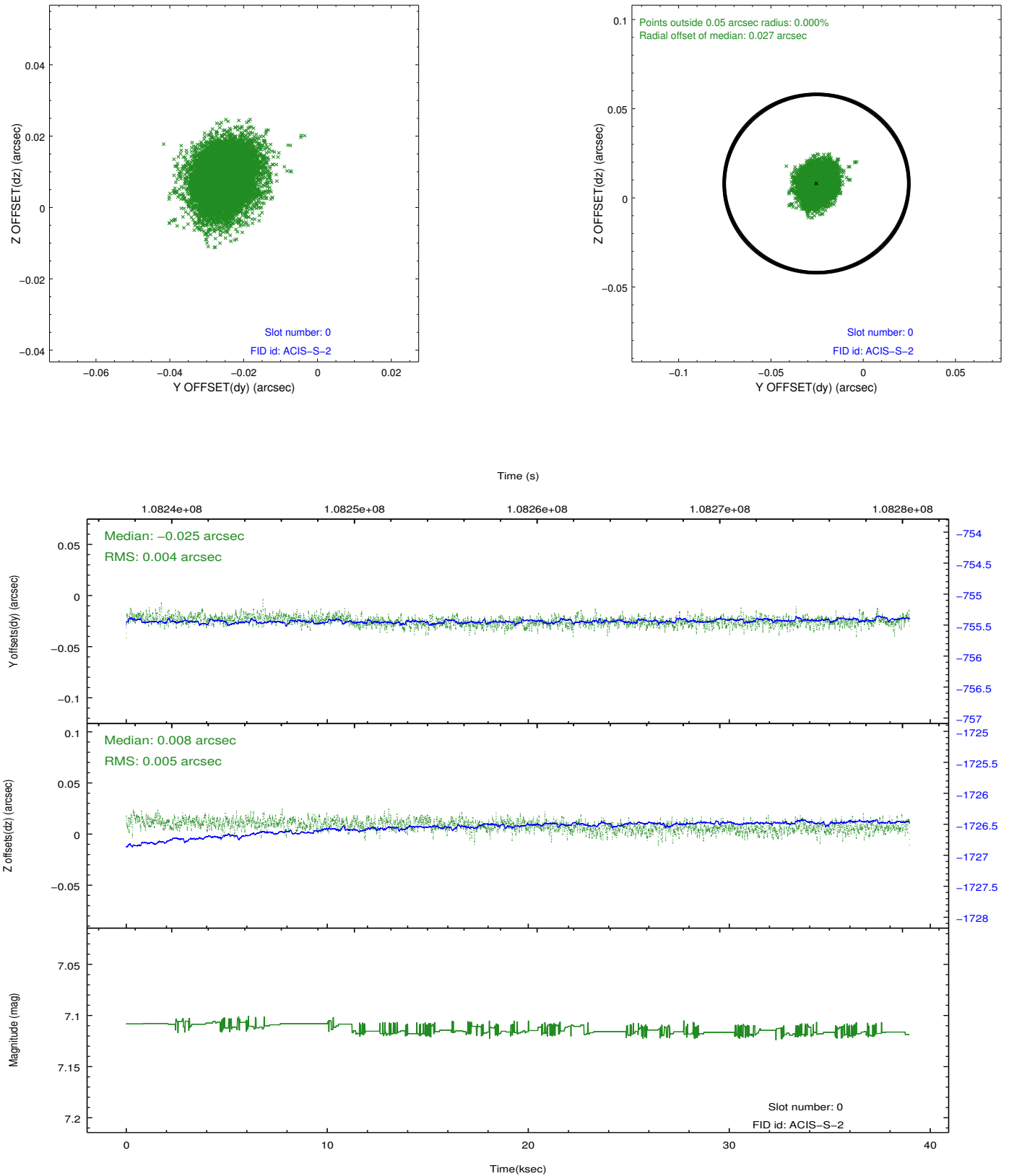


2.4.5 Slot 7

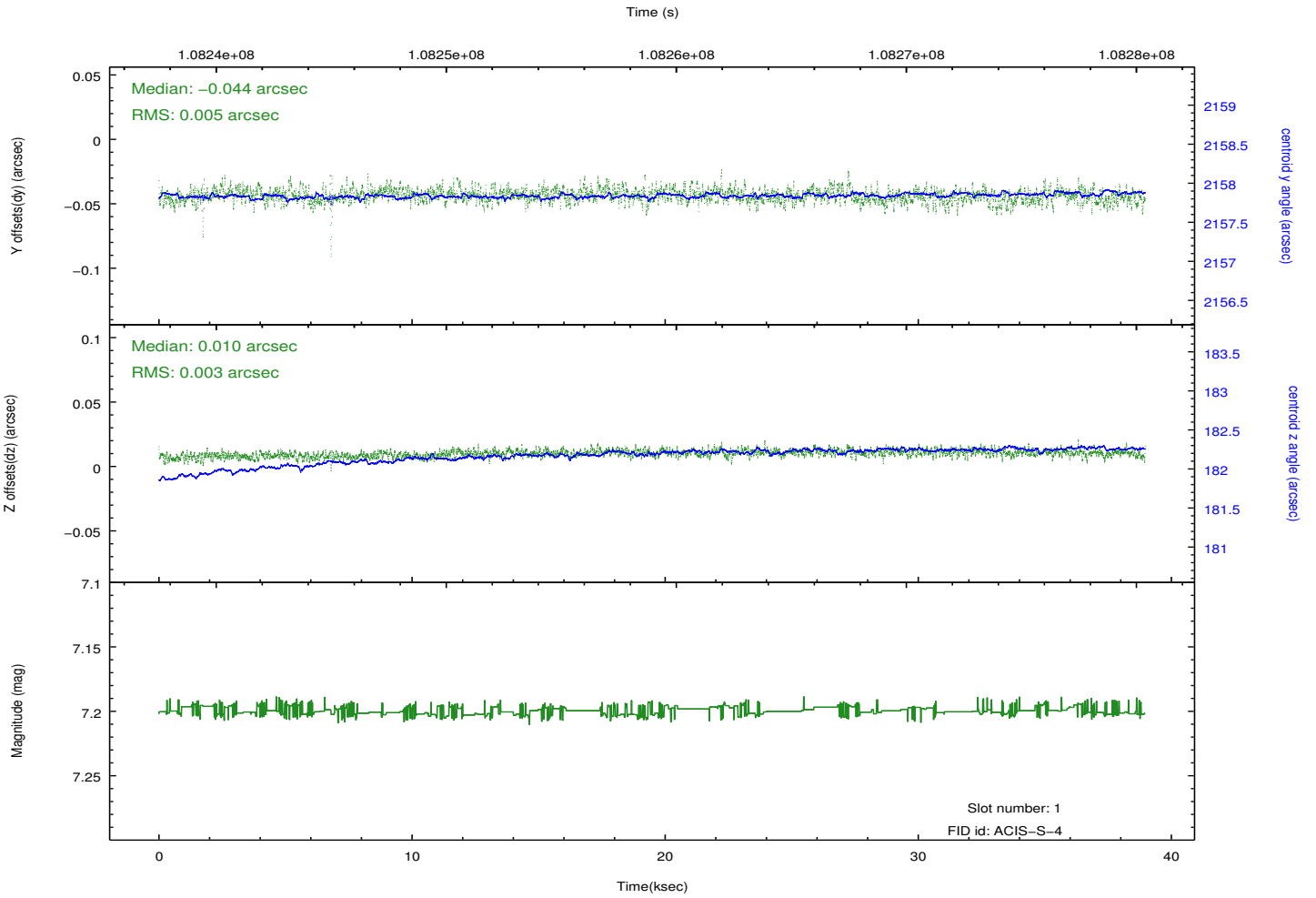
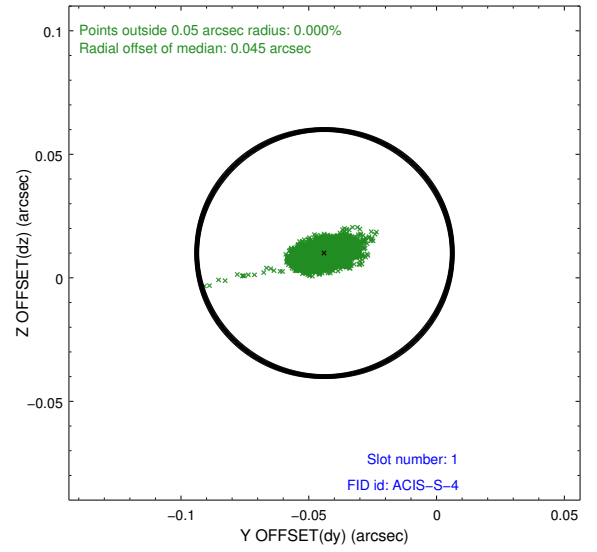
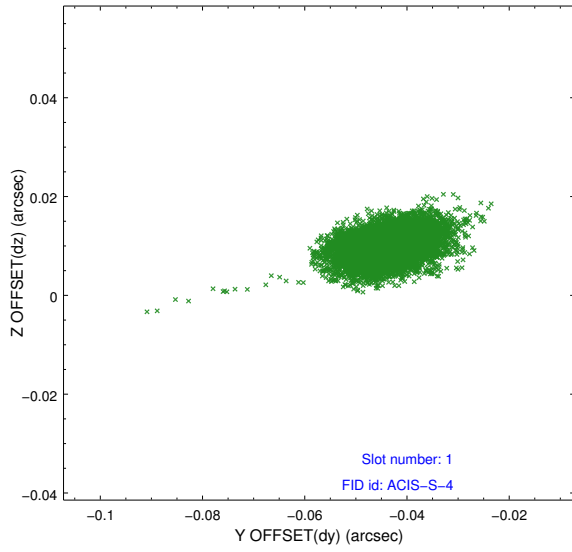


2.5 FID Slots

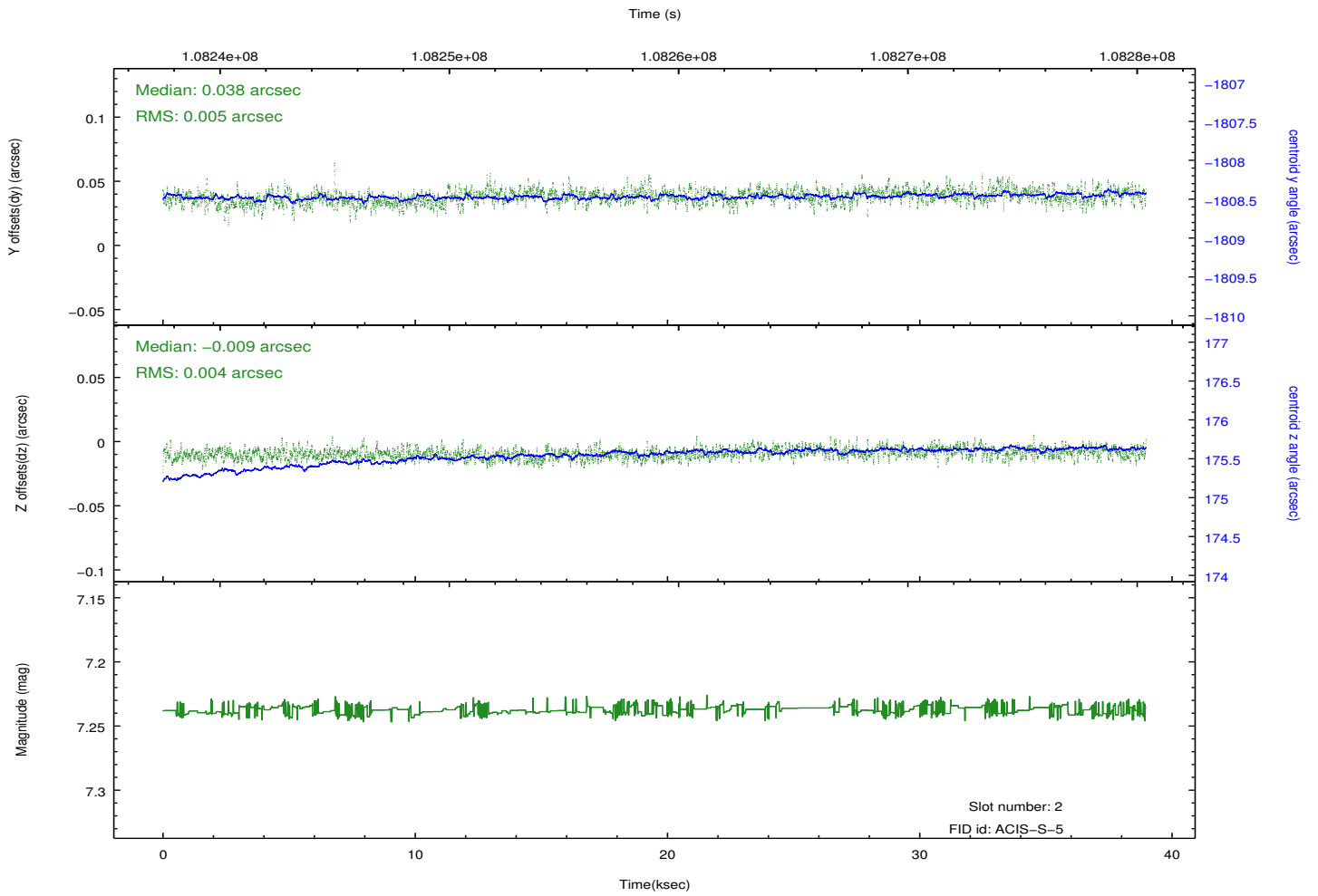
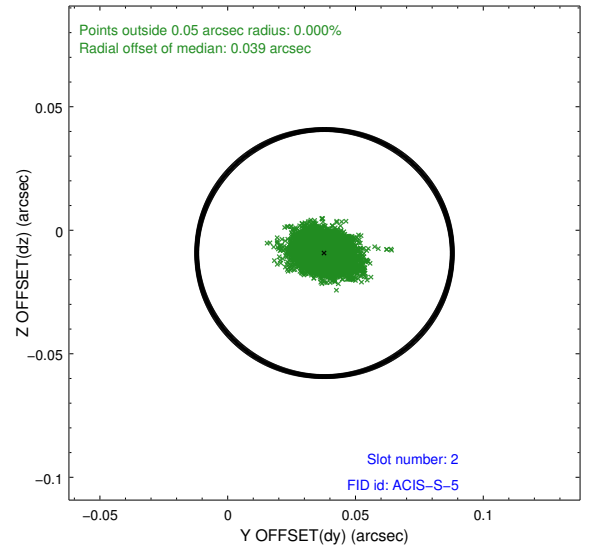
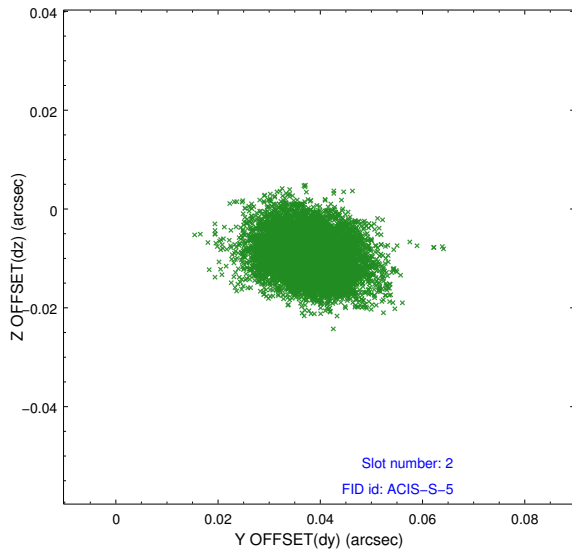
2.5.1 Slot 0



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)	2012.09.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.9

A.2 Comments

Charge time for this observation remains at previous value of 38.9 ksec.