

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 15035 - L2 Version 2
Chandra X-Ray Center

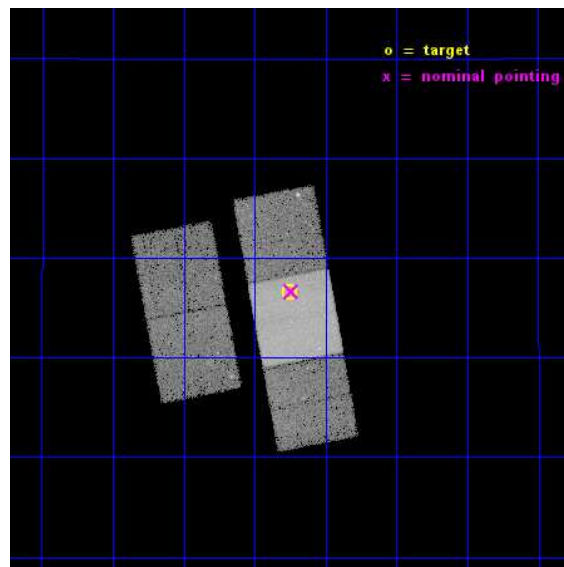
L2 Processing Date : Dec 1 2014

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1 Front

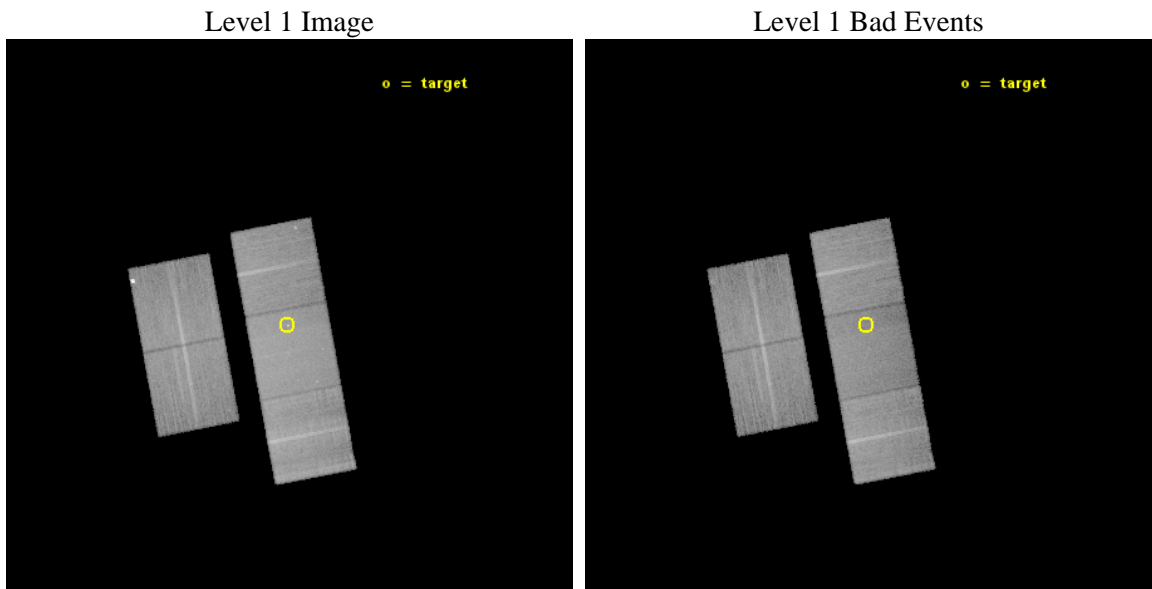
seq_num	702842	Sequence number
obs_id	15035	Observation id
title	Are Double-Peaked Optical Emission Lines Reliable Indicators of Dual AGNs?	Proposal title
observer	Dr. Claire Max	Principal investigator
object	SDSS J115714.98+081632.0	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	179.3125	Observer's specified target RA [deg]
dec_targ	8.275556	Observer's specified target Dec [deg]
ra_nom	179.310248751	Nominal RA [deg]
dec_nom	8.2776178766001	Nominal Dec [deg]
roll_nom	79.3278438934	Nominal Roll [deg]
revision	2	Processing version of data
ontime	30063.800231218	Sum of GTIs [s]
livetime	29670.99454855	Livetime [s]
ontime2	30060.659160852	Sum of GTIs [s]
ontime3	30063.800231218	Sum of GTIs [s]
ontime6	30063.800231218	Sum of GTIs [s]
ontime7	30063.800231218	Sum of GTIs [s]
ontime8	30060.659170806	Sum of GTIs [s]
l2events	164428	Number of level 2 events



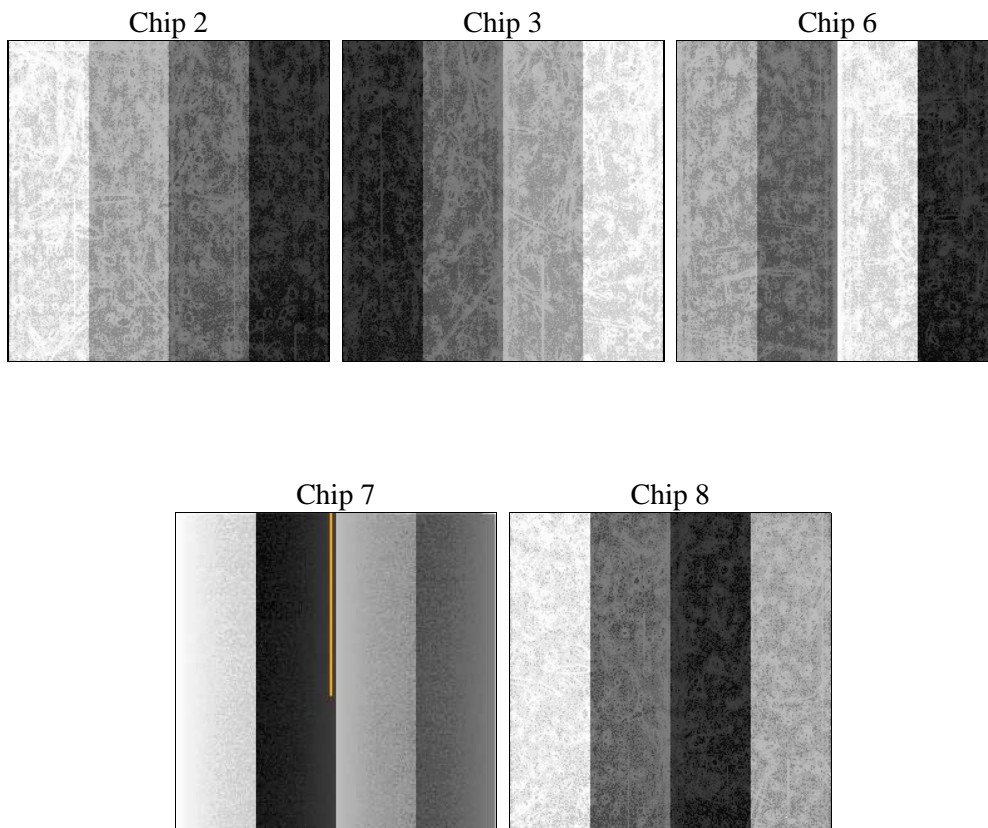
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30000.000000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	30063.800231218	Sum of GTIs [s]
caldbver	4.6.4	 	ontime2	30060.659160852	Sum of GTIs [s]
date	2014-12-01T16:35:27	Date and time of file creation	ontime3	30063.800231218	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	30063.800231218	Sum of GTIs [s]
			ontime7	30063.800231218	Sum of GTIs [s]
			ontime8	30060.659170806	Sum of GTIs [s]
			l1events	977009	Number of level 1 events

2.1.4 Events

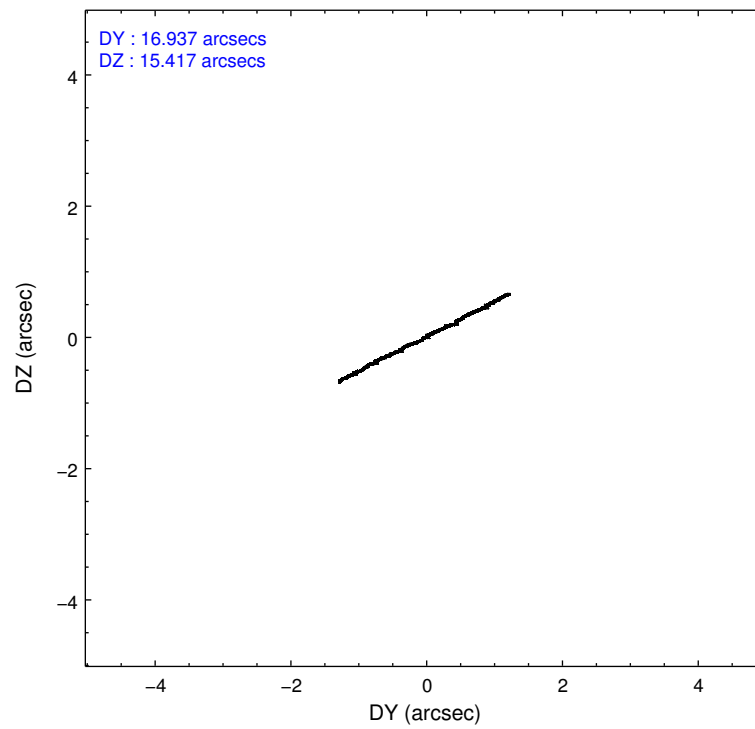
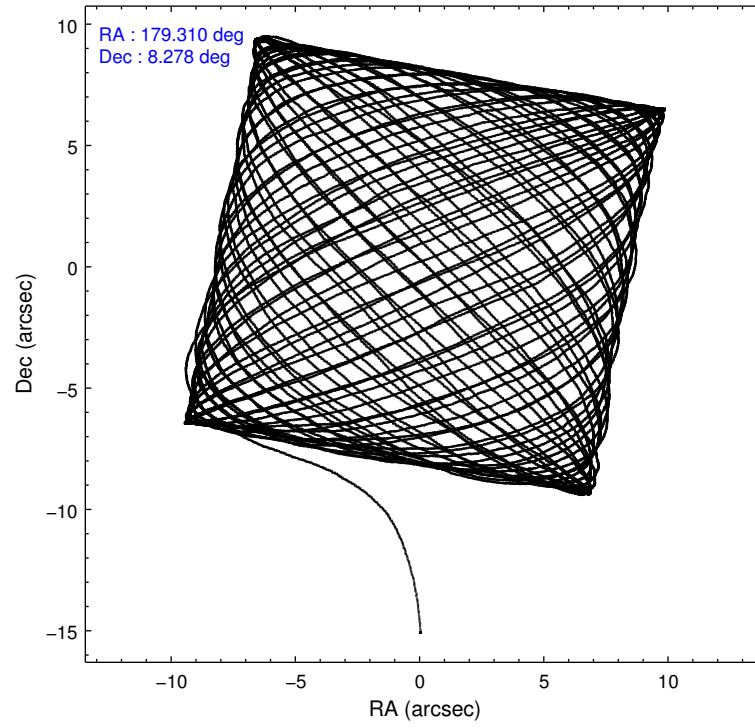
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	177488	164769	180397	227554	226801
rejected events	149553	146343	160078	128940	171633
rejected %	84%	88%	88%	56%	75%

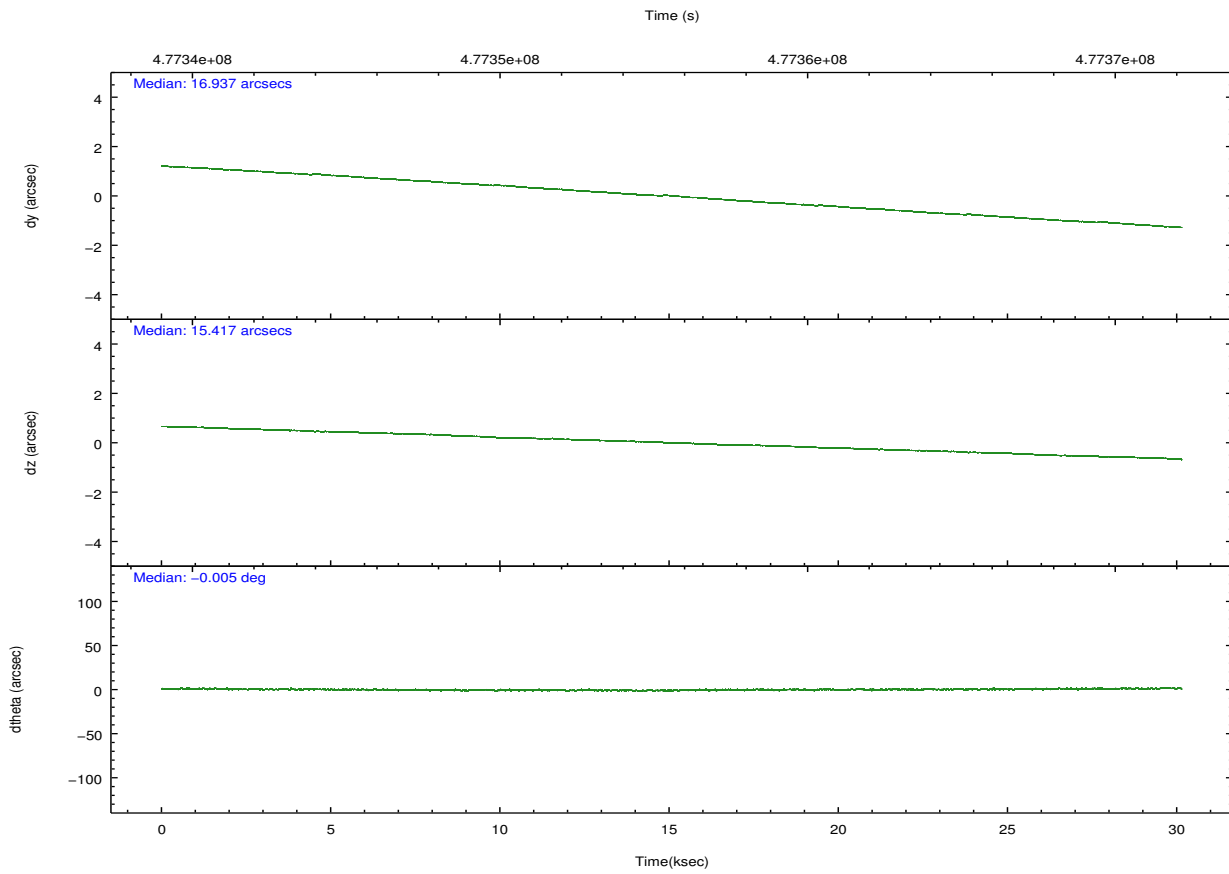
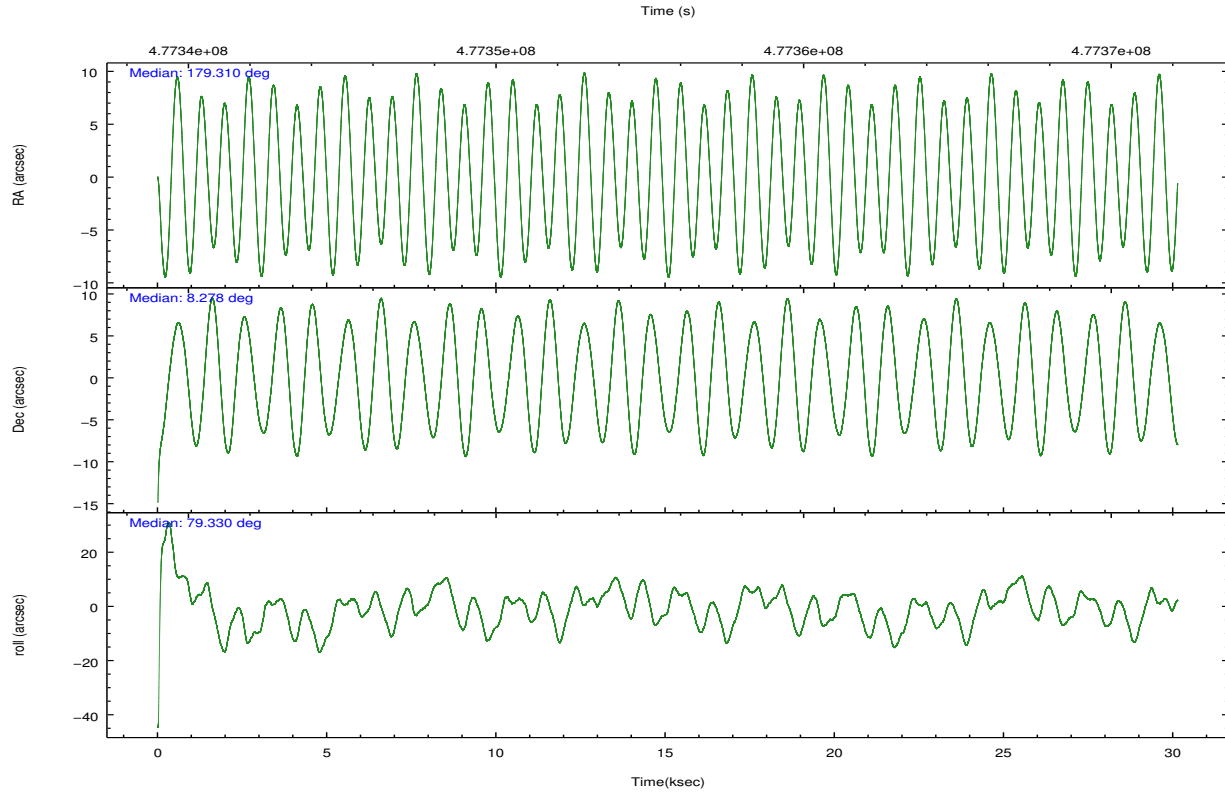
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	16000	6302	6973	8573	15440
	9%	3%	3%	3%	6%
grade 1 events	137	111	87	252	144
	0%	0%	0%	0%	0%
grade 2 events	4382	4052	4556	20264	13030
	2%	2%	2%	8%	5%
grade 3 events	1953	2057	2025	8097	5965
	1%	1%	1%	3%	2%
grade 4 events	1955	2065	2090	7996	5519
	1%	1%	1%	3%	2%
grade 5 events	7109	8624	8761	22466	12243
	4%	5%	4%	9%	5%
grade 6 events	3647	3951	4676	53693	15216
	2%	2%	2%	23%	6%
grade 7 events	142305	137607	151229	106213	159244
	80%	83%	83%	46%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	179.319775	179.310248751002	CCD I2 on	O2	Y
[deg] Pointing Dec	8.251952	8.277617876600134	CCD I3 on	O3	Y
[deg] Pointing Roll	79.169880	79.32784389340041	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	O4	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O1	Y
[s] Observation start time (MET)	477340660.184000	477339195.34211	CCD S5 on	N	N
Observation start date	2013-02-15T18:36:33	2013-02-15T18:13:15	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	477370660.184000	477371787.26887	On-chip summing requested	N	N
Observation end date	2013-02-16T02:56:33	2013-02-16T03:16:27	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect





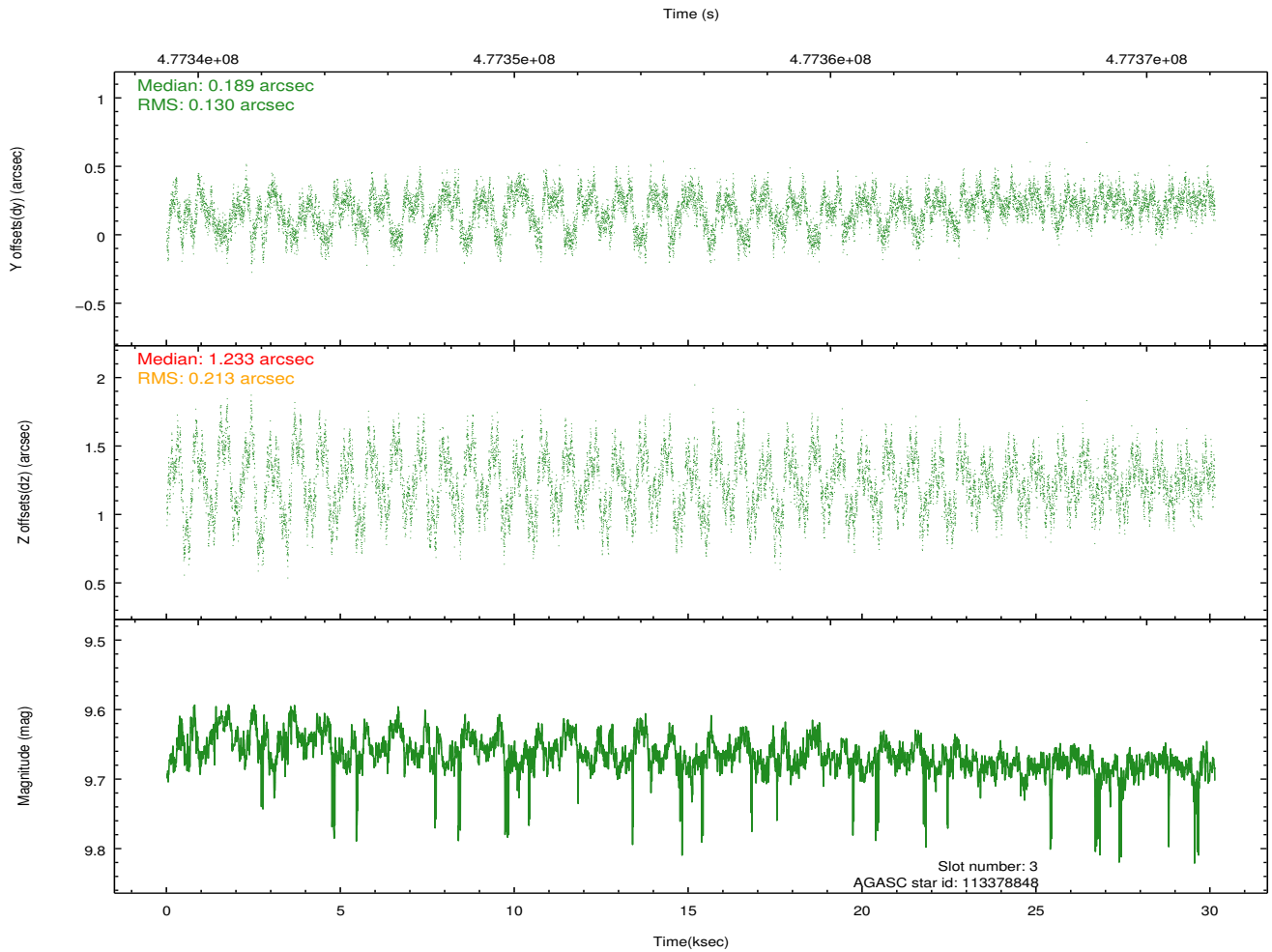
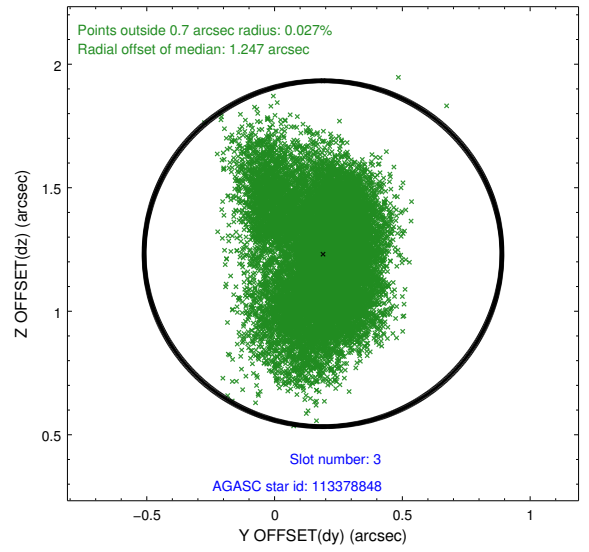
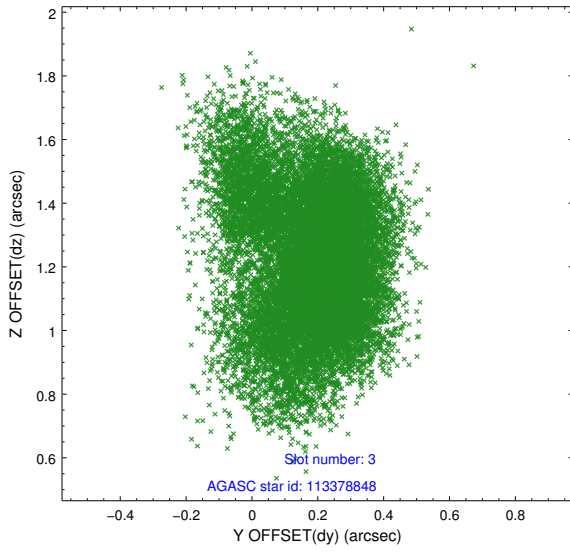
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.06	7348	-0.122	-0.018	0.010	0.016	0.000000	0.000000	-770.04	-1736.78
1	FID		ACIS-S-4	7.15	7350	0.256	0.064	0.012	0.035	0.000000	0.000000	2143.57	171.73
2	FID		ACIS-S-5	7.18	7347	-0.163	-0.038	0.017	0.043	0.000000	0.000000	-1822.86	165.35
3	GUIDE	used	113378848	9.67	14656	0.189	1.233	0.267	0.437	179.779860	7.583343	-2054.24	-2063.12
4	GUIDE	used	113379568	9.98	14687	0.447	-0.202	0.238	0.366	179.665385	8.133092	-187.96	-1289.66
5	GUIDE	used	113380776	10.29	14665	-0.835	-0.652	0.322	0.471	178.968246	8.454387	480.77	1366.08
6	GUIDE	used	113387176	9.88	14653	0.012	-0.092	0.231	0.378	179.908731	8.696204	1966.45	-1757.46
7	GUIDE	used	113378032	8.67	14696	0.198	-0.263	0.155	0.231	179.539133	7.546326	-2347.03	-1246.20

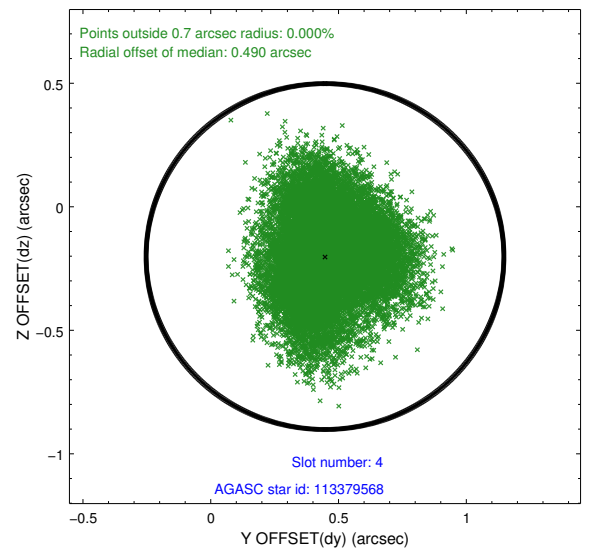
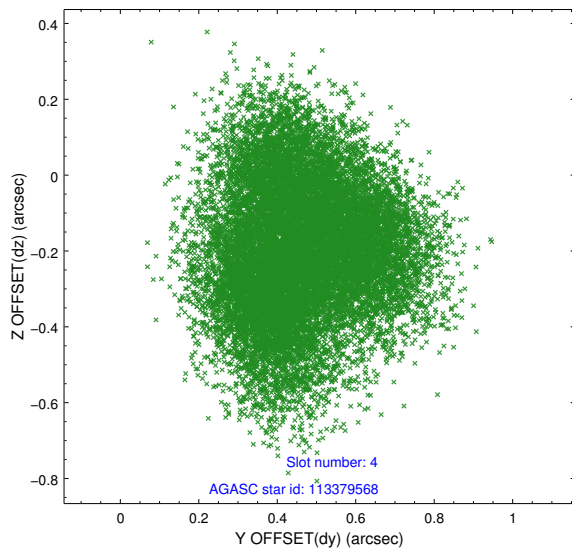
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2.4 Star Slots

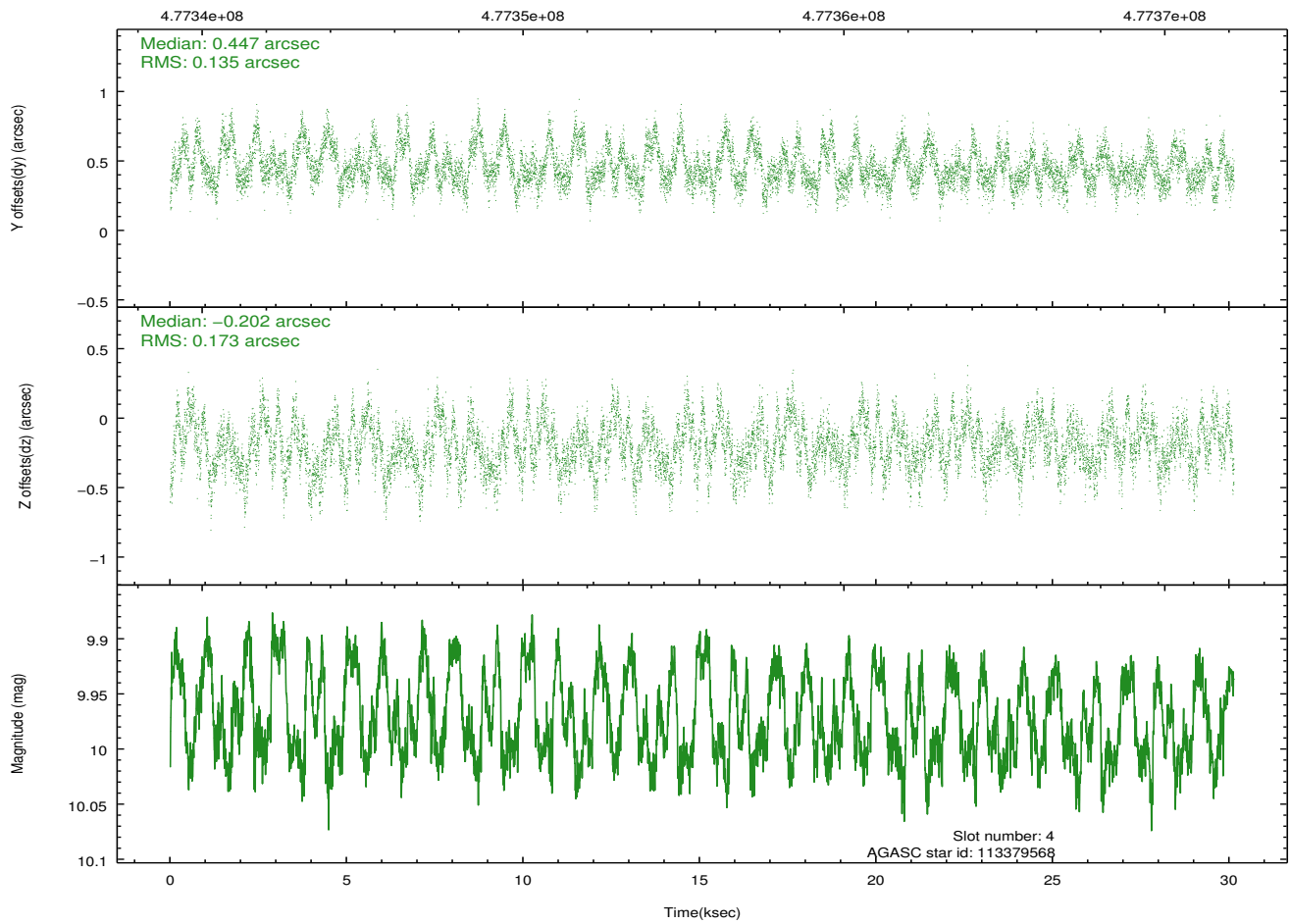
2.4.1 Slot 3



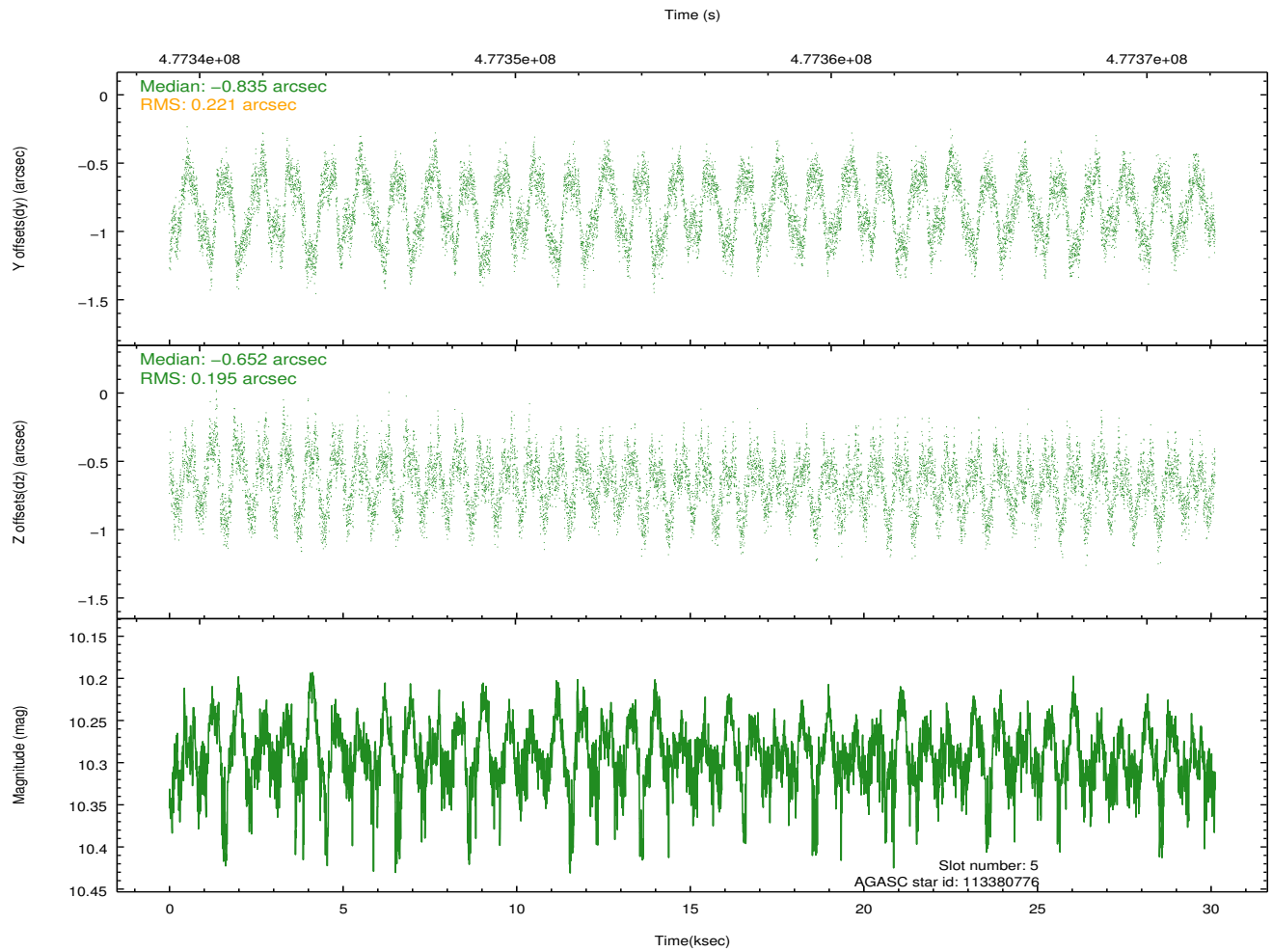
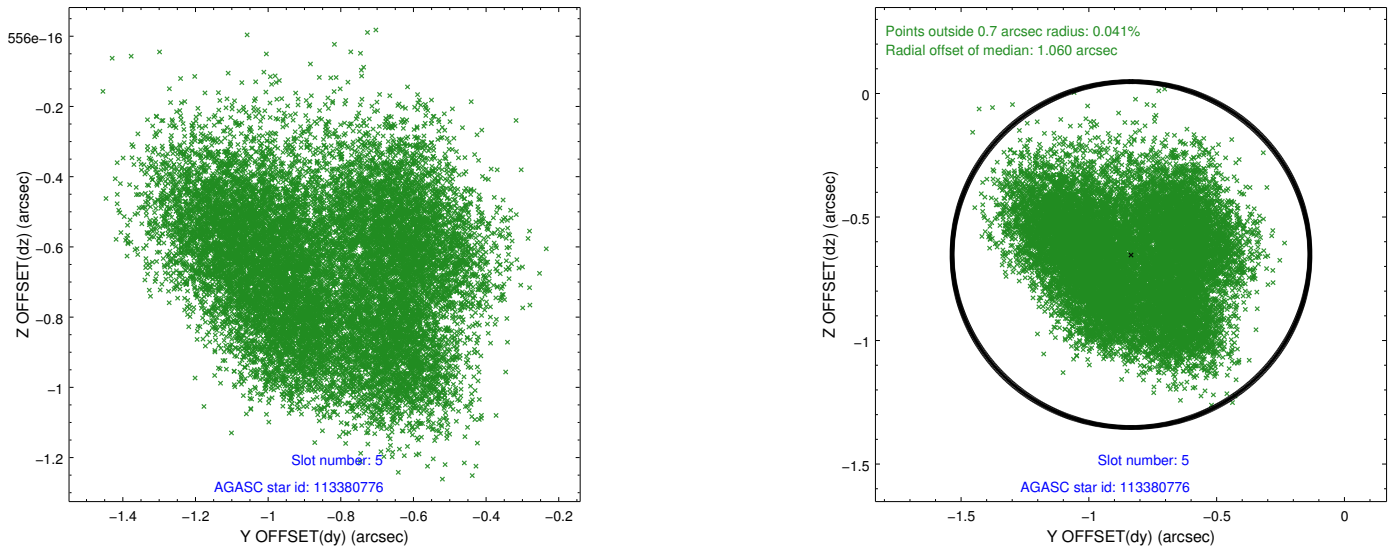
2.4.2 Slot 4



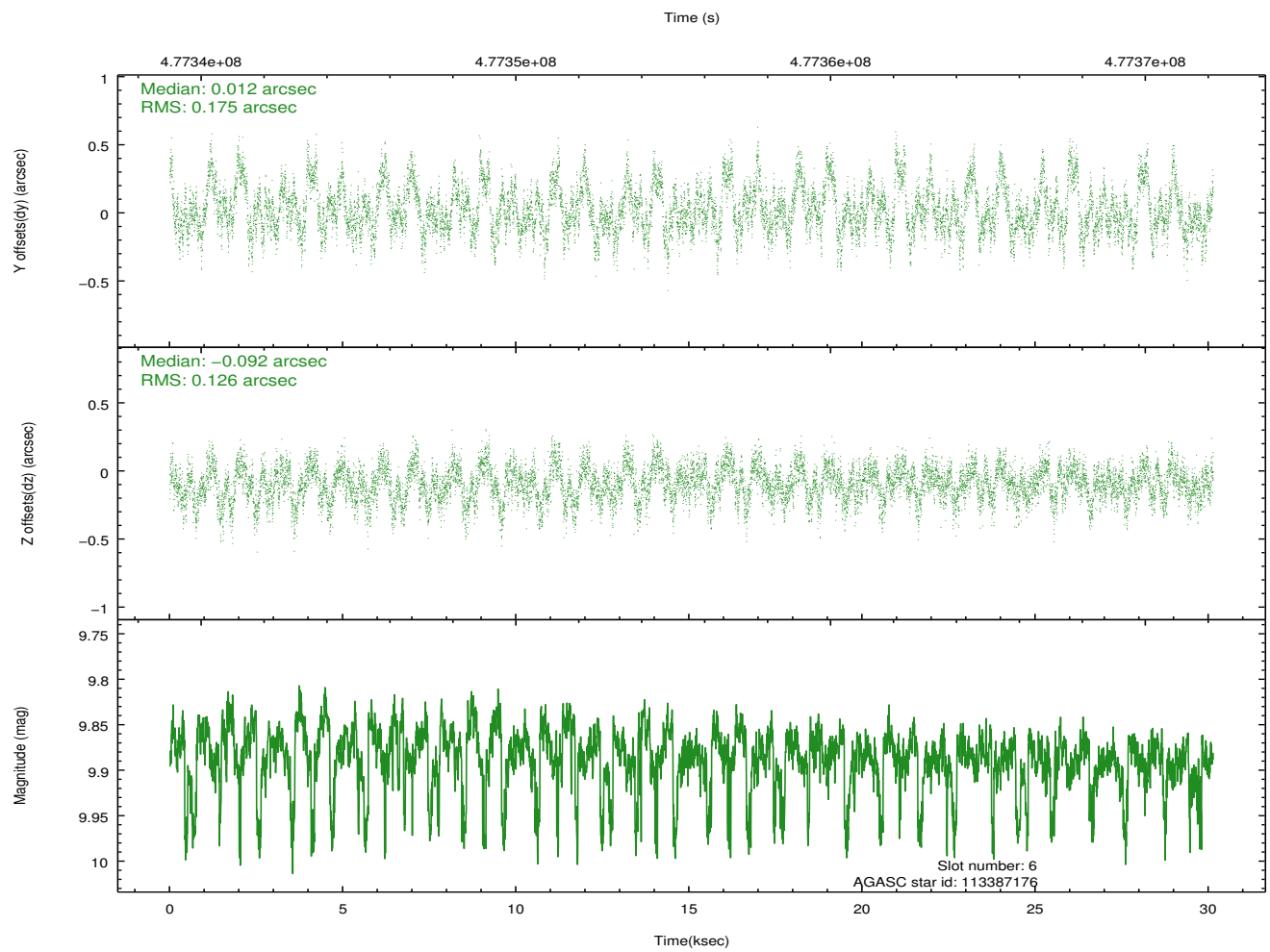
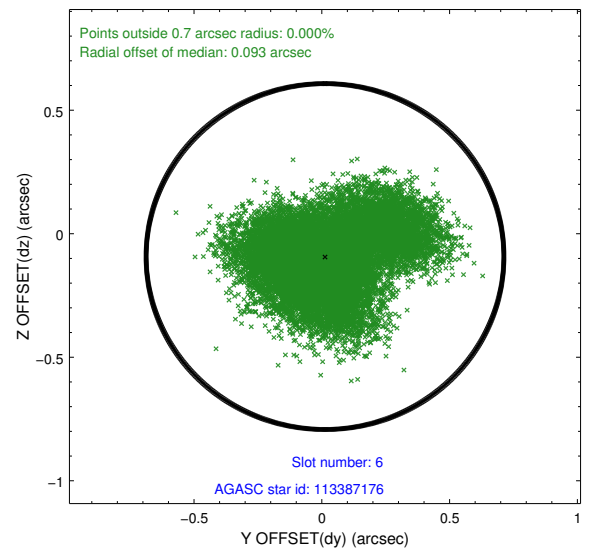
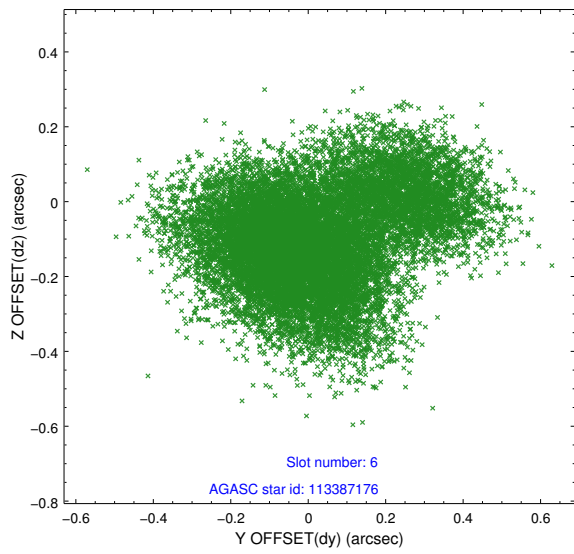
Time (s)



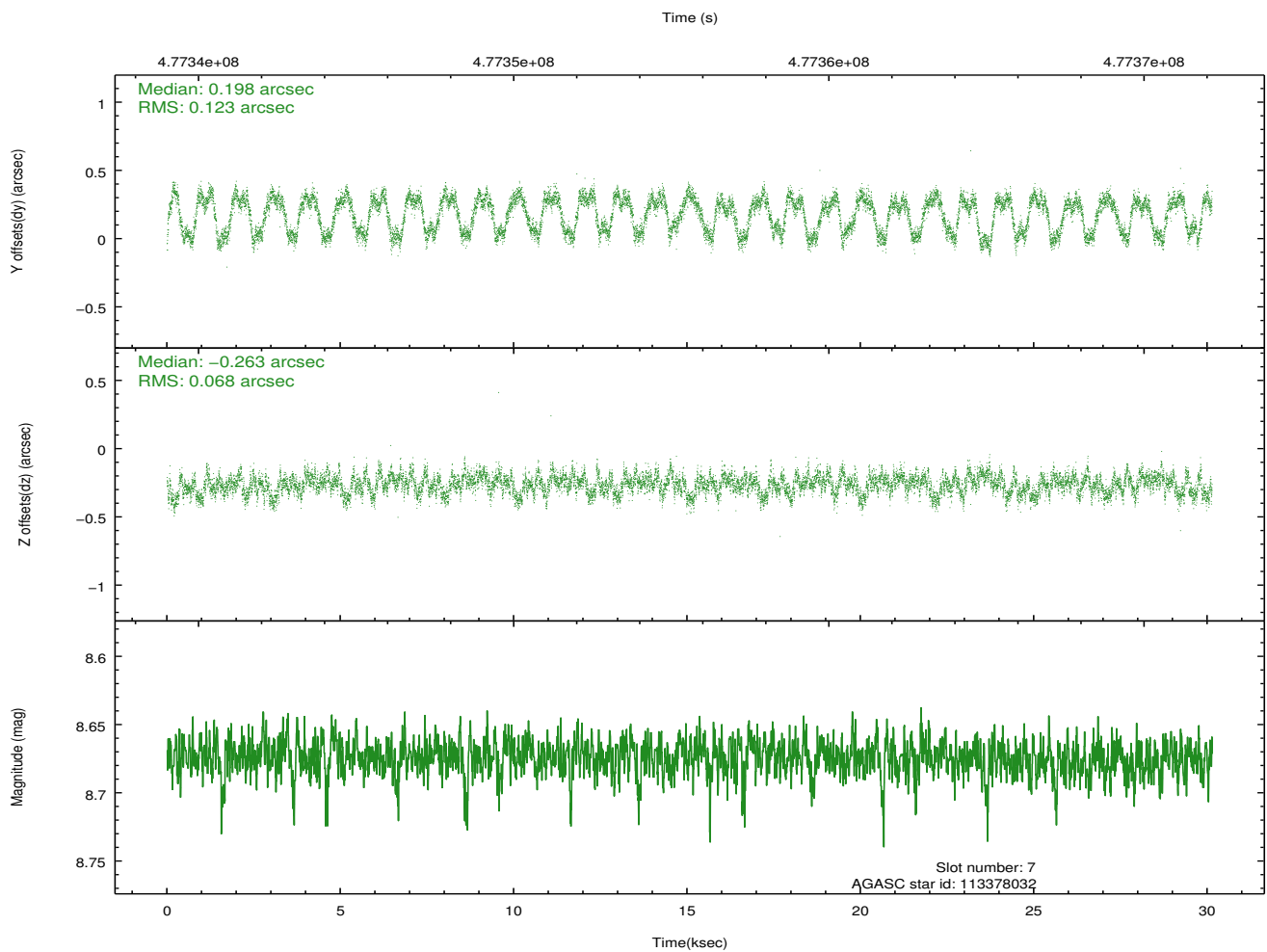
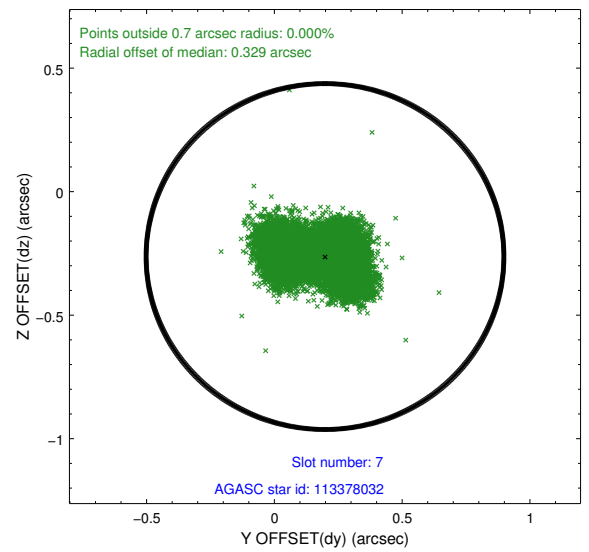
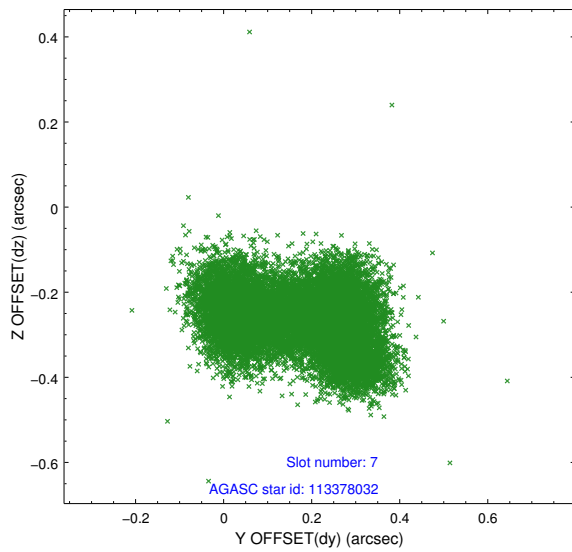
2.4.3 Slot 5



2.4.4 Slot 6

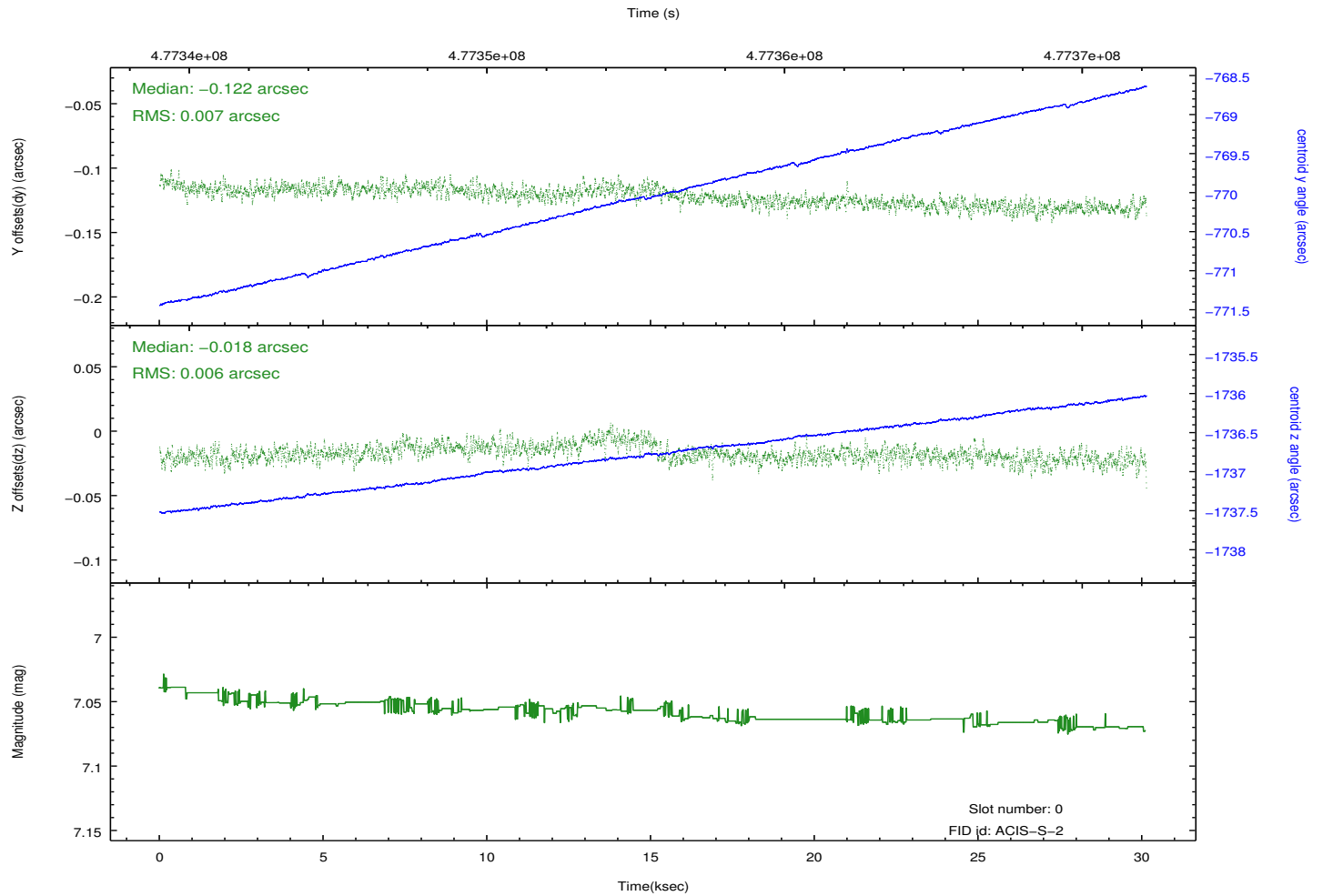
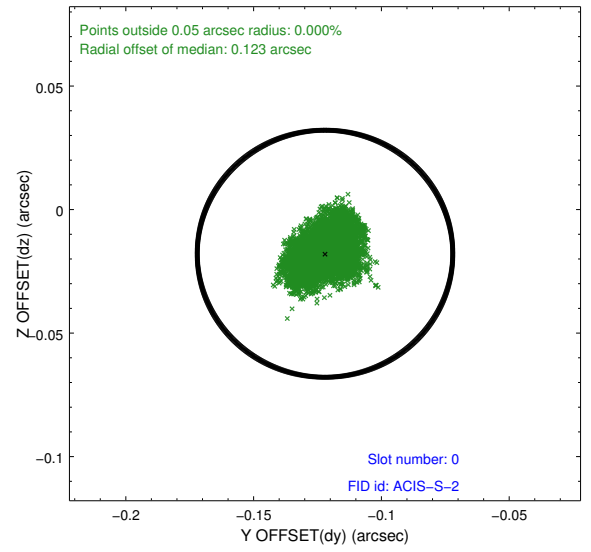
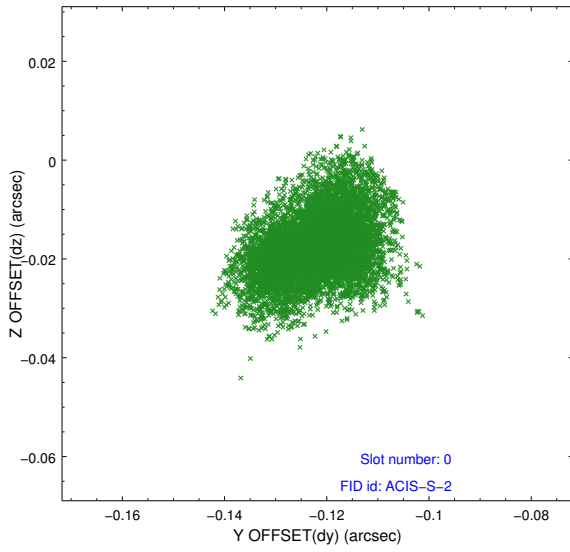


2.4.5 Slot 7

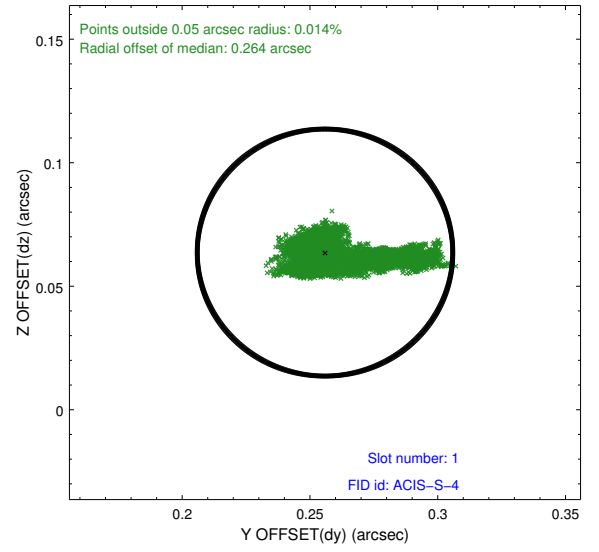
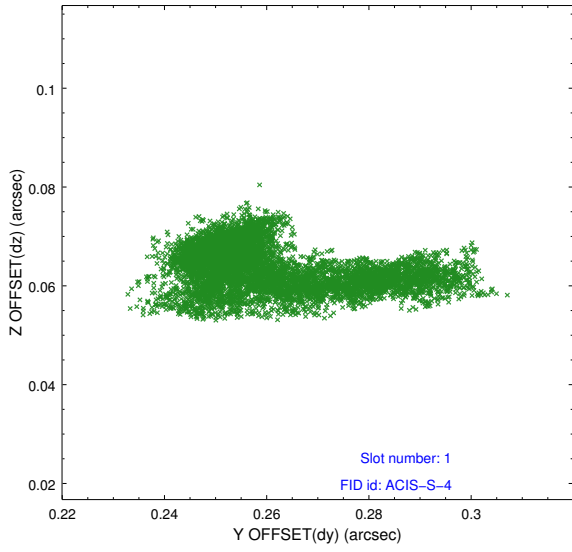


2.5 FID Slots

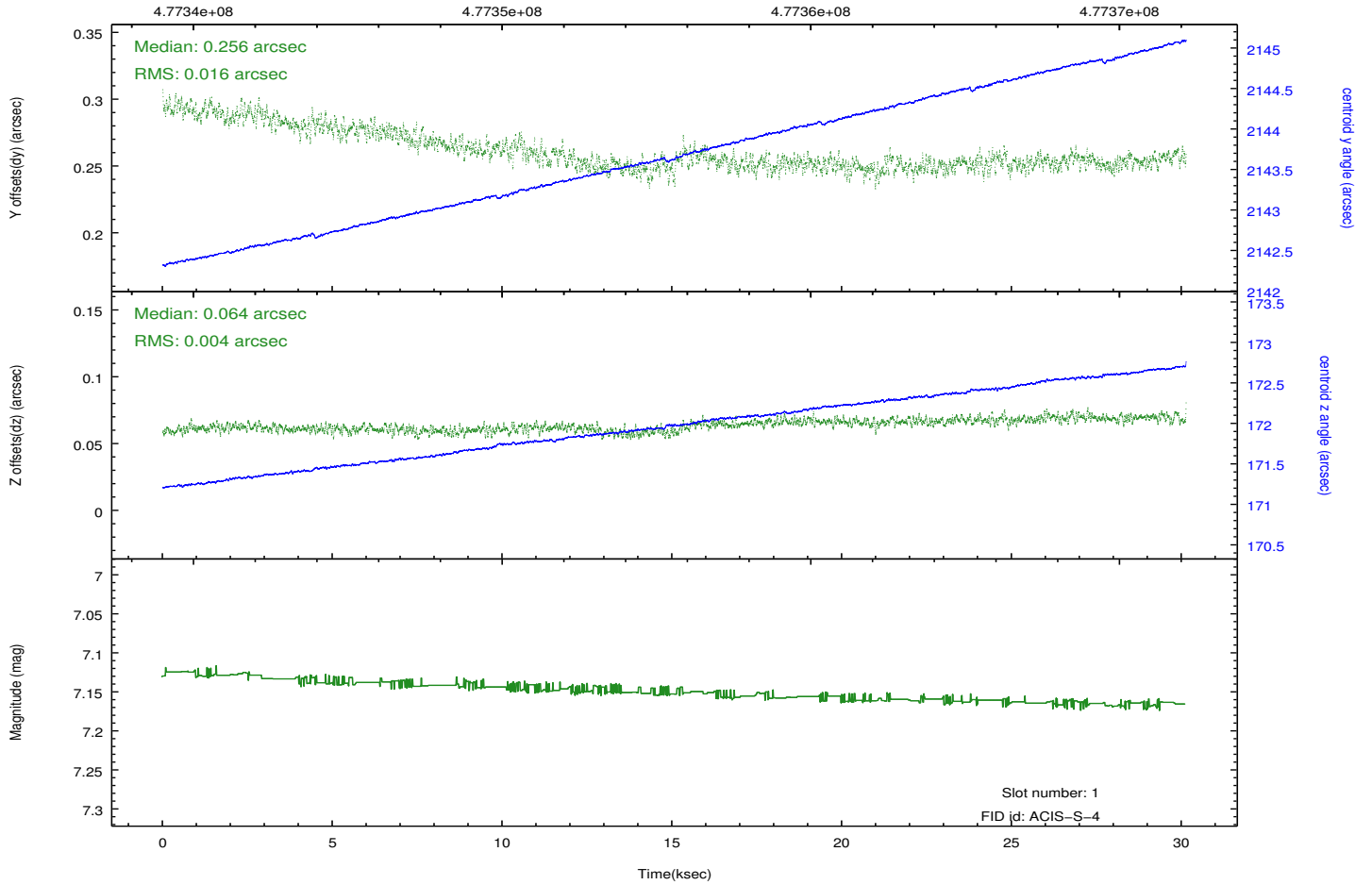
2.5.1 Slot 0



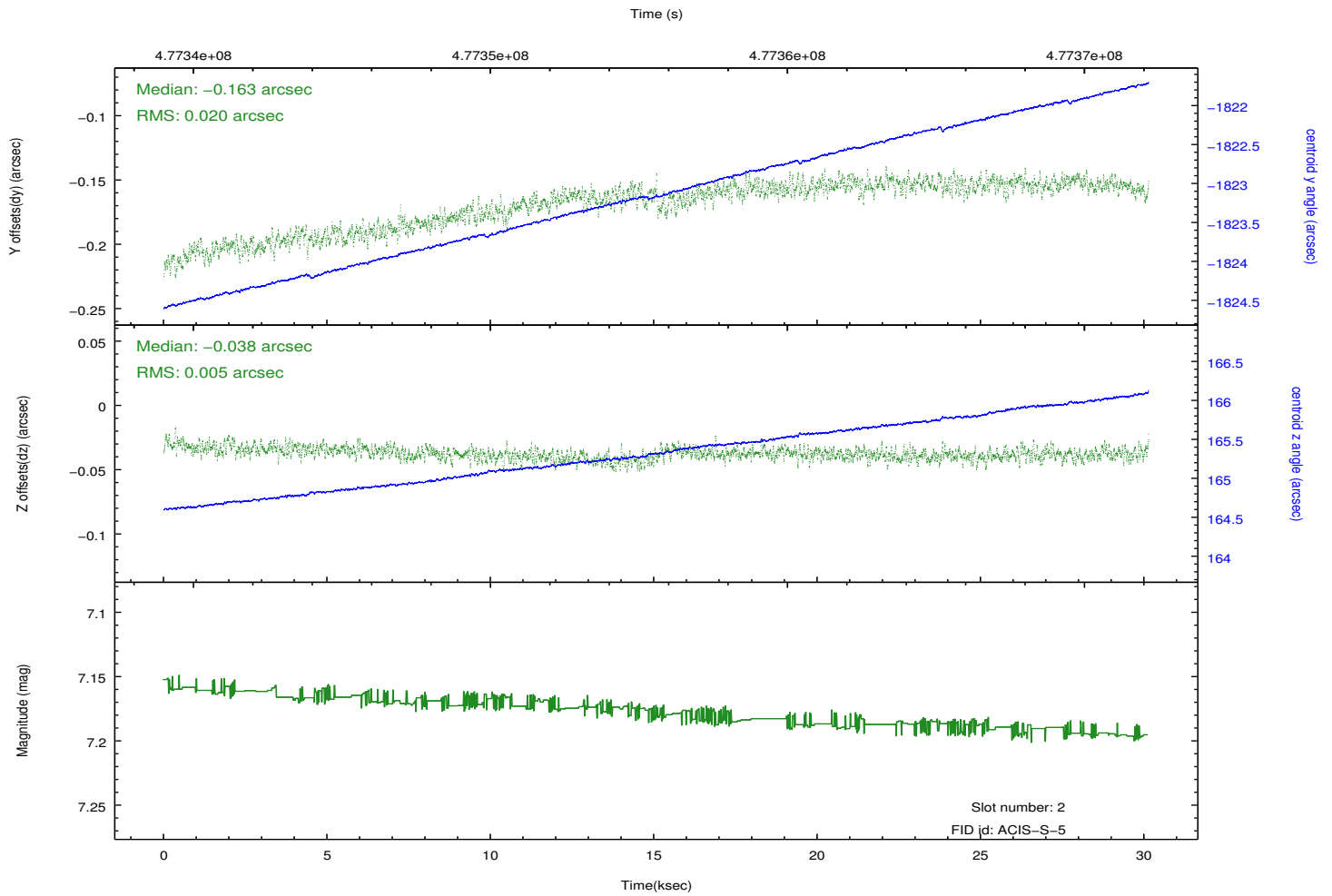
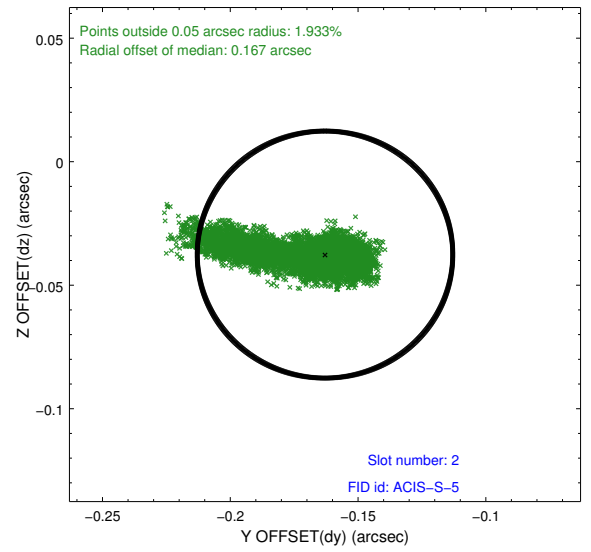
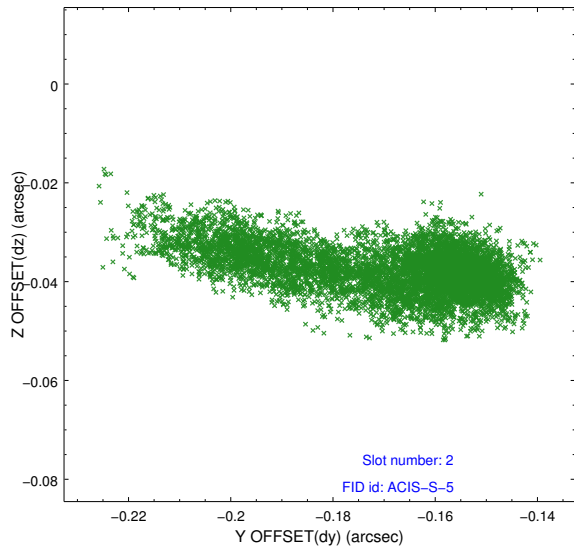
2.5.2 Slot 1



Time (s)



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.12.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.063800231218

A.2 Comments

These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.