

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 14992 - L2 Version 2
Chandra X-Ray Center

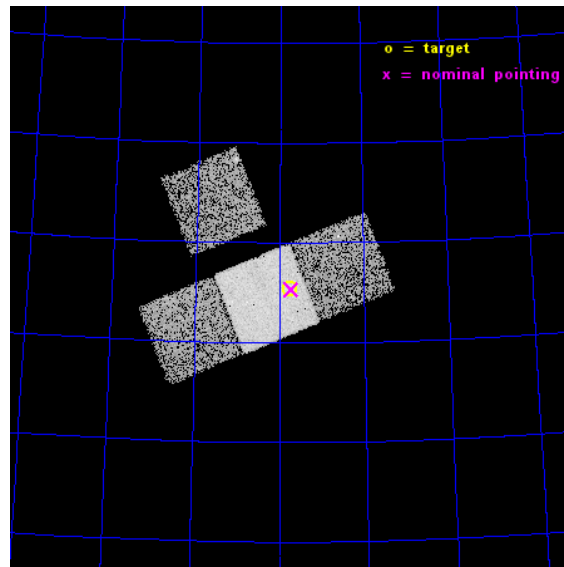
L2 Processing Date : Nov 30 2014

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1 Front

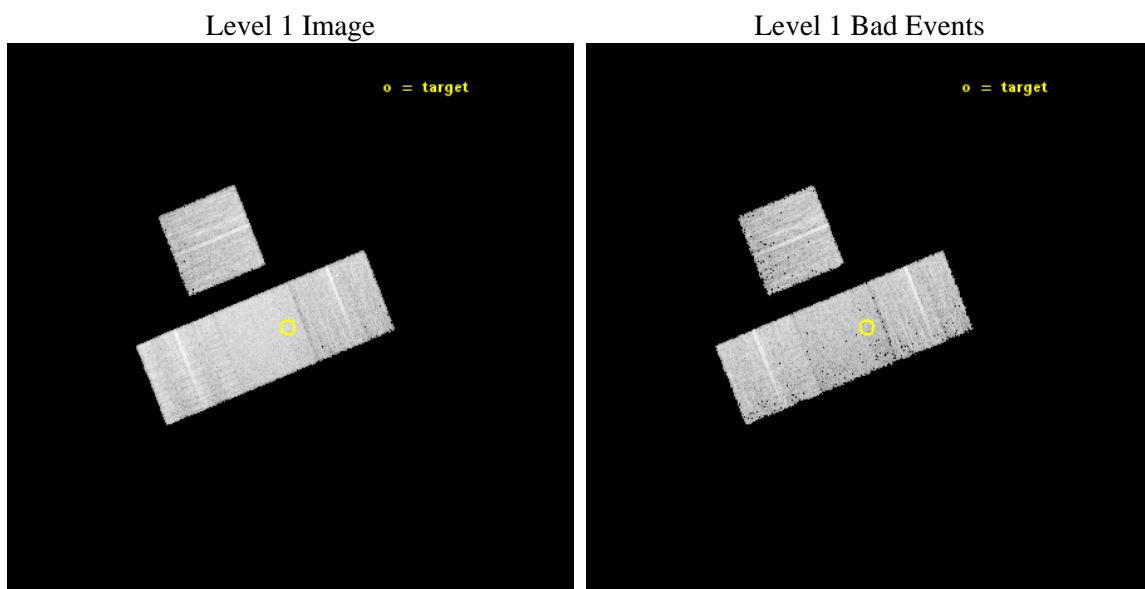
seq_num	702800	Sequence number
obs_id	14992	Observation id
title	The Herschel Legacy of powerful 3C radio galaxies and quasars II: observing Proposal.	Proposal title
observer	Dr Joanna Kuraszkiewicz	Principal investigator
object	3C220.3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	144.847667	Observer's specified target RA [deg]
dec_targ	83.257269	Observer's specified target Dec [deg]
ra_nom	144.82666620121	Nominal RA [deg]
dec_nom	83.255548658258	Nominal Dec [deg]
roll_nom	158.01375963327	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10071.897615433	Sum of GTIs [s]
livetime	9940.300858264	Livetime [s]
ontime3	10071.815535426	Sum of GTIs [s]
ontime6	10071.856575429	Sum of GTIs [s]
ontime7	10071.897615433	Sum of GTIs [s]
ontime8	10071.774495423	Sum of GTIs [s]
l2events	48740	Number of level 2 events



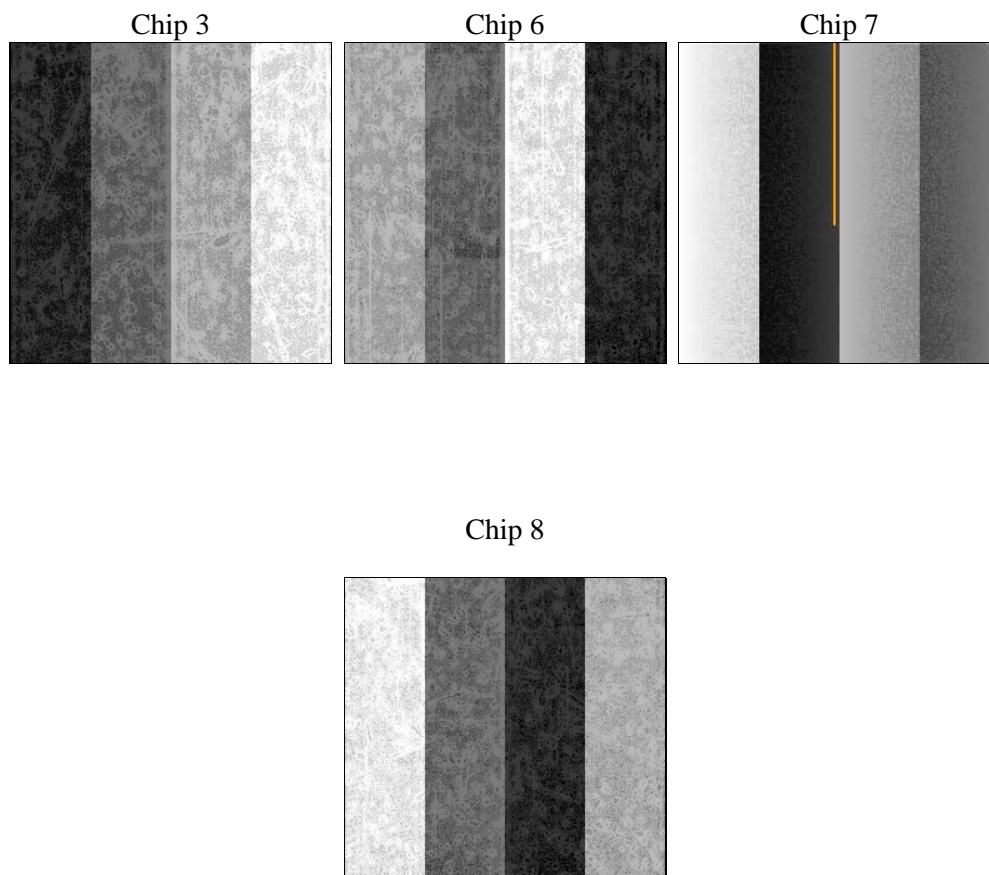
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	10071.897615433	Sum of GTIs [s]
caldsver	4.6.4	 	ontime3	10071.815535426	Sum of GTIs [s]
date	2014-12-01T08:23:05	Date and time of file creation	ontime6	10071.856575429	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	10071.897615433	Sum of GTIs [s]
			ontime8	10071.774495423	Sum of GTIs [s]
			l1events	255356	Number of level 1 events

2.1.4 Events

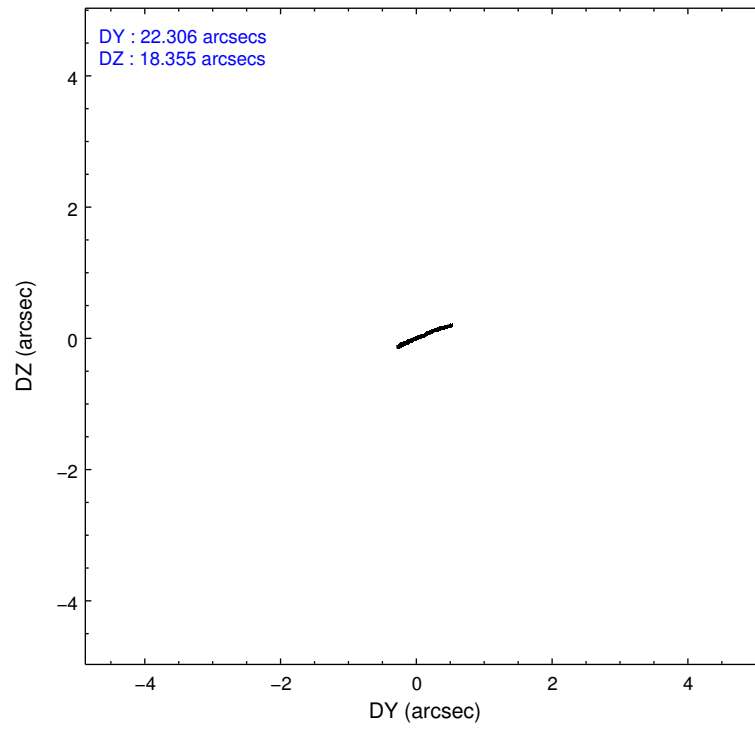
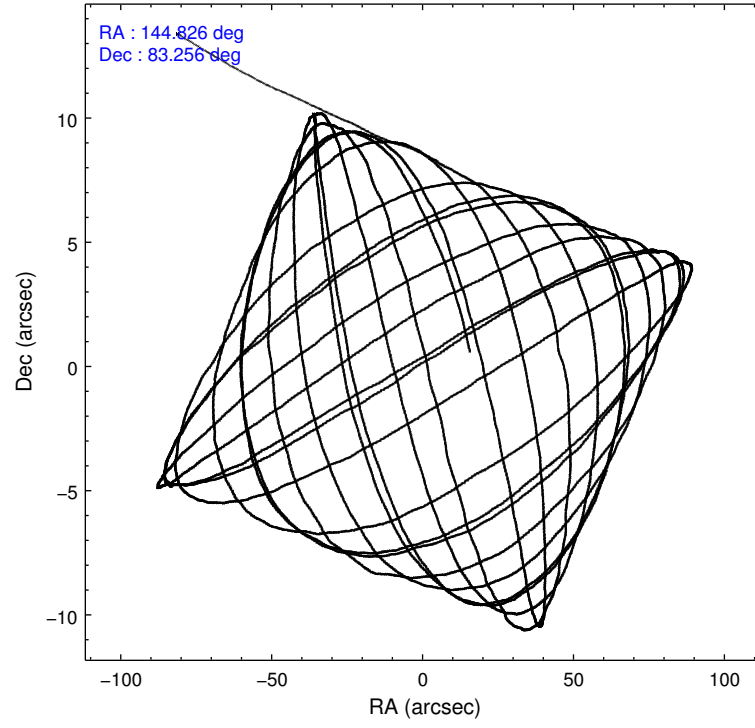
	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	52509	56465	73667	72715
rejected events	46542	49856	41745	54141
rejected %	88%	88%	56%	74%

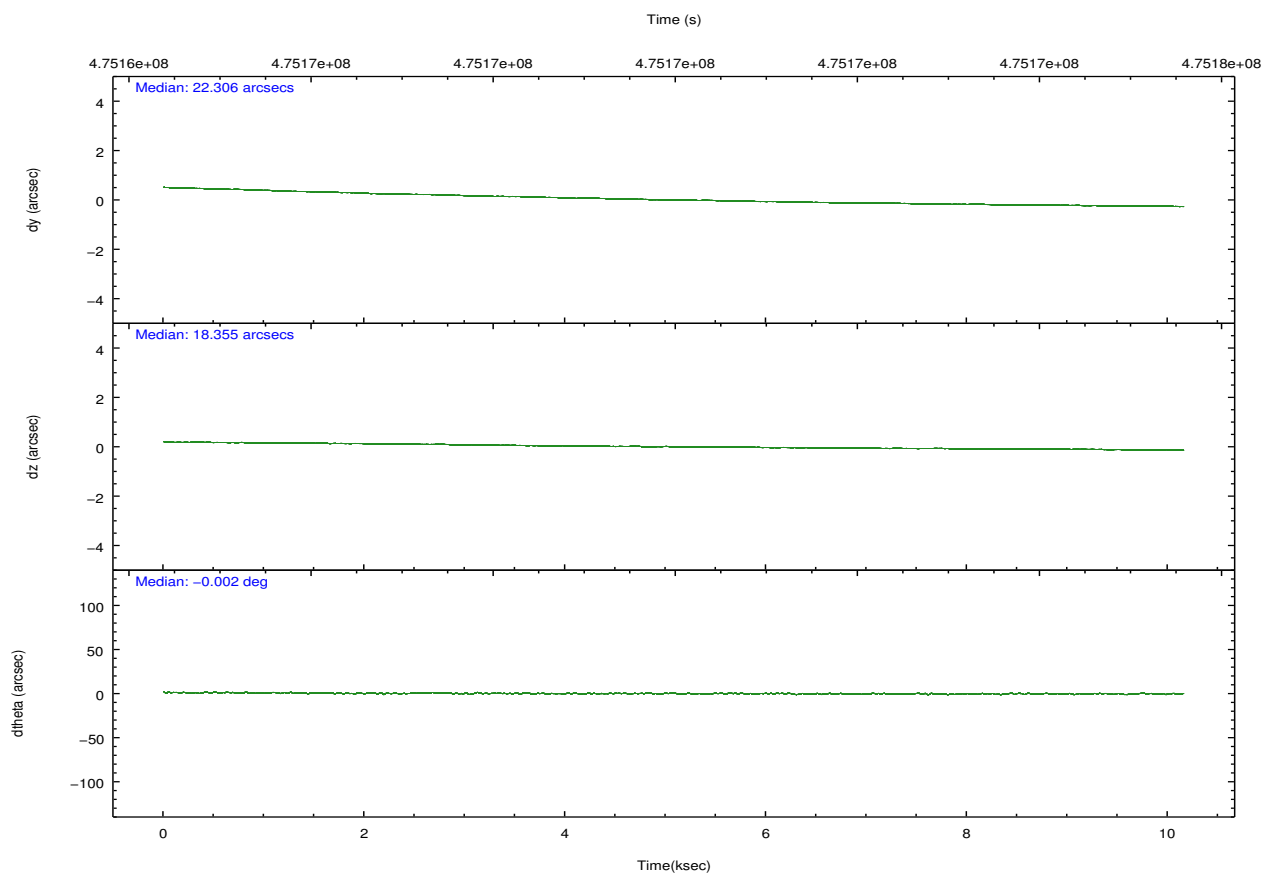
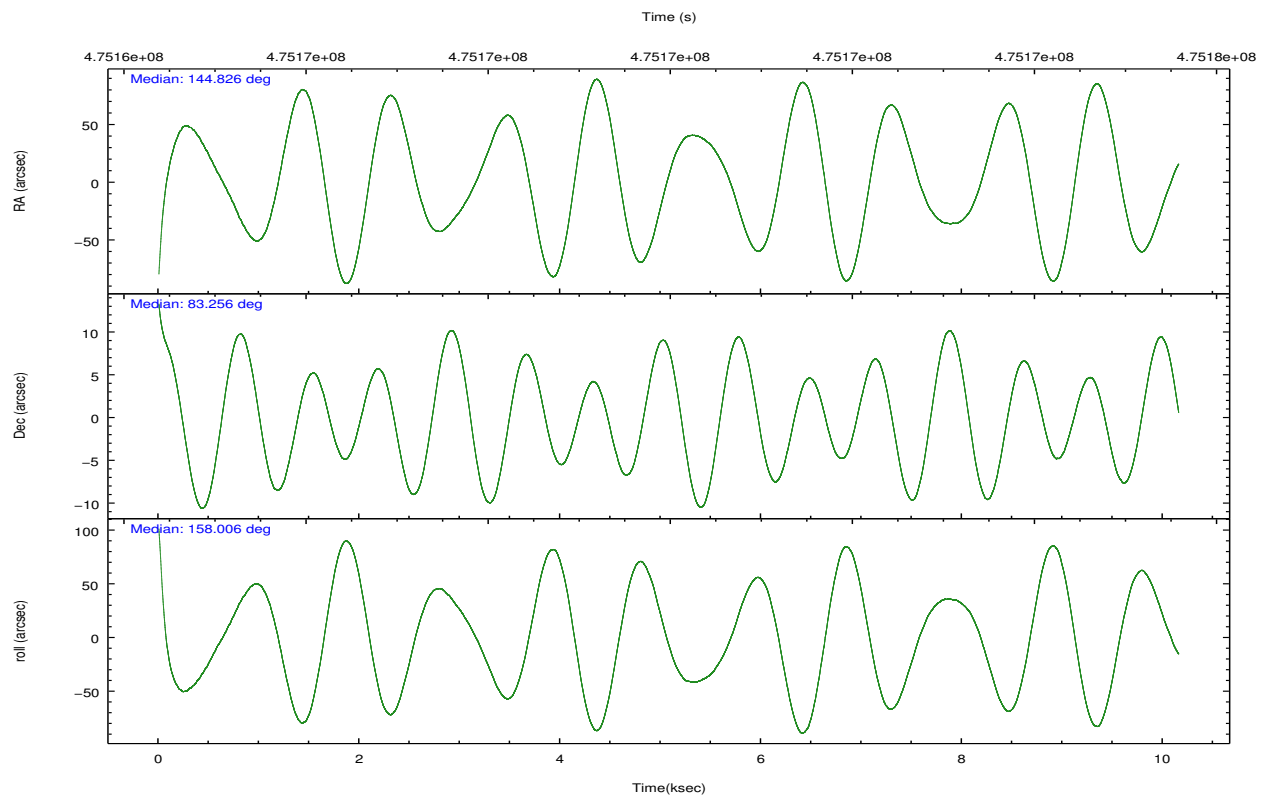
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2094	2217	2805	5107
	3%	3%	3%	7%
grade 1 events	32	23	75	51
	0%	0%	0%	0%
grade 2 events	1345	1529	6492	4368
	2%	2%	8%	6%
grade 3 events	659	661	2698	1974
	1%	1%	3%	2%
grade 4 events	681	667	2618	1905
	1%	1%	3%	2%
grade 5 events	2864	2744	7534	3924
	5%	4%	10%	5%
grade 6 events	1190	1537	17323	5221
	2%	2%	23%	7%
grade 7 events	43644	47087	34122	50165
	83%	83%	46%	68%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3678	ACIS-3678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	145.056885	144.8266662012136	CCD I2 on	N	N
[deg] Pointing Dec	83.259632	83.25554865825805	CCD I3 on	O1	Y
[deg] Pointing Roll	157.628467	158.0137596332692	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	O3	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	O2	Y
[s] Observation start time (MET)	475165061.184000	475163960.7246	CCD S5 on	N	N
Observation start date	2013-01-21T14:16:34	2013-01-21T13:59:20	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	475175061.184000	475175767.70024	On-chip summing requested	N	N
Observation end date	2013-01-21T17:03:14	2013-01-21T17:16:07	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



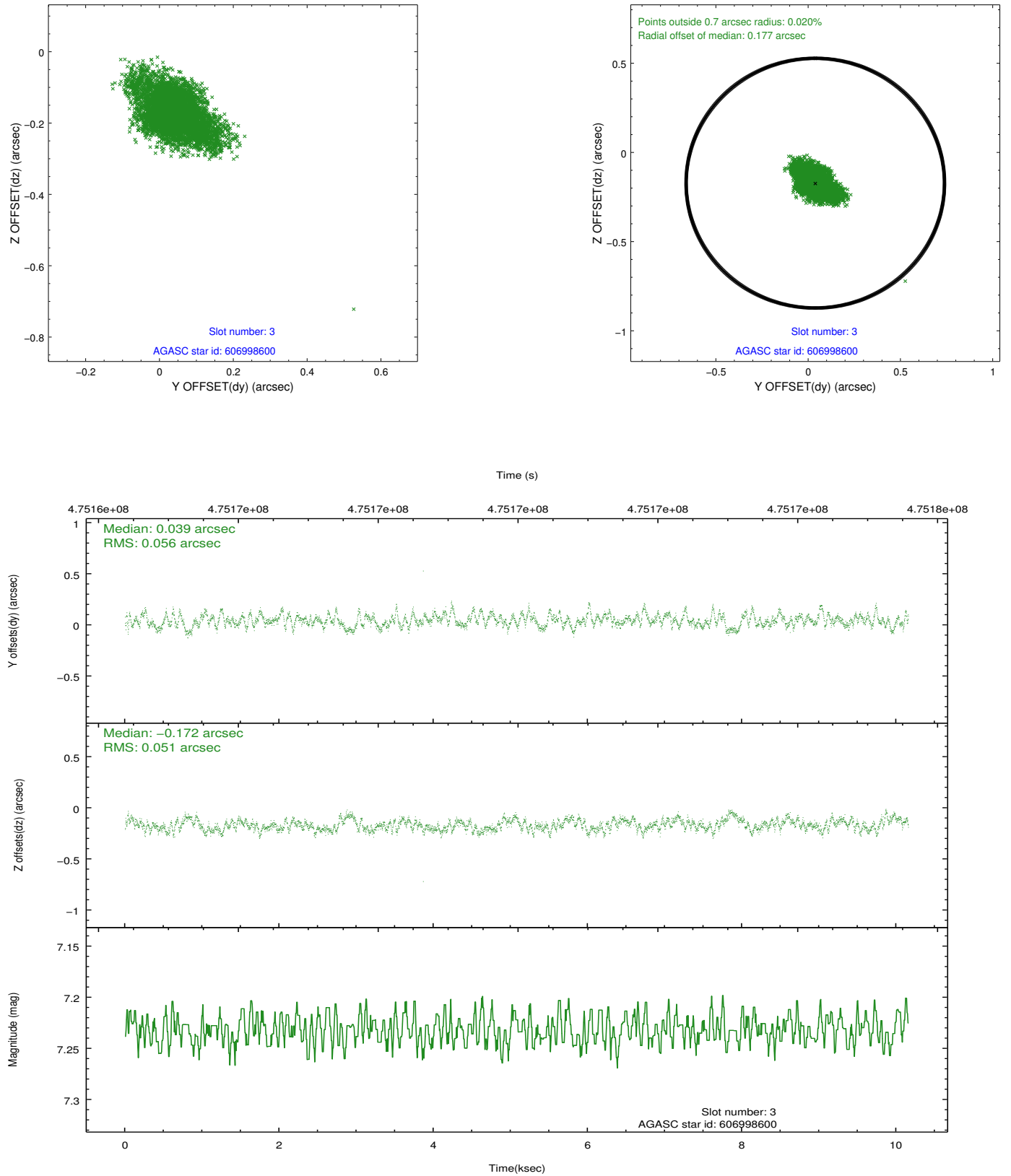


Slot Statistics

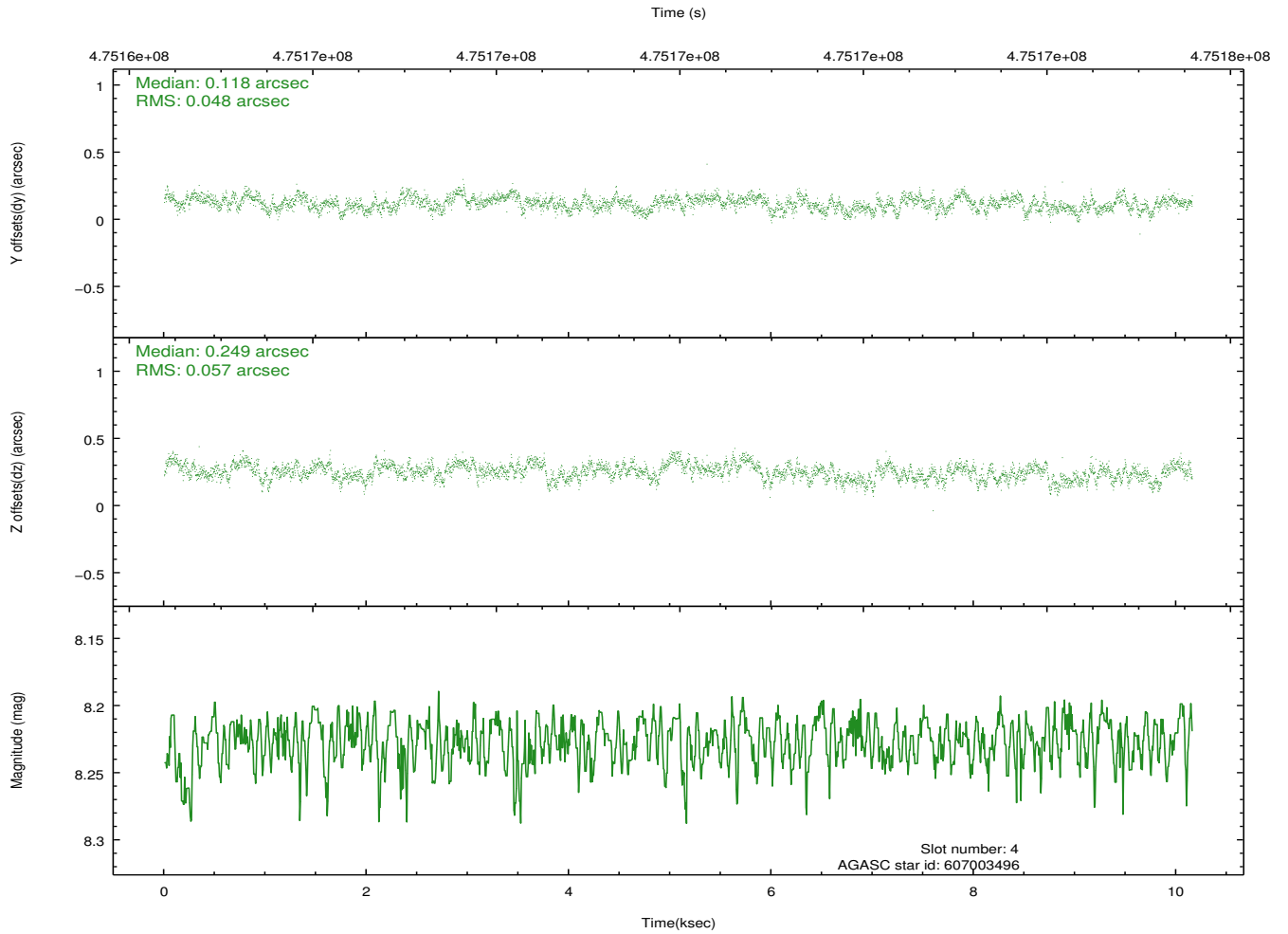
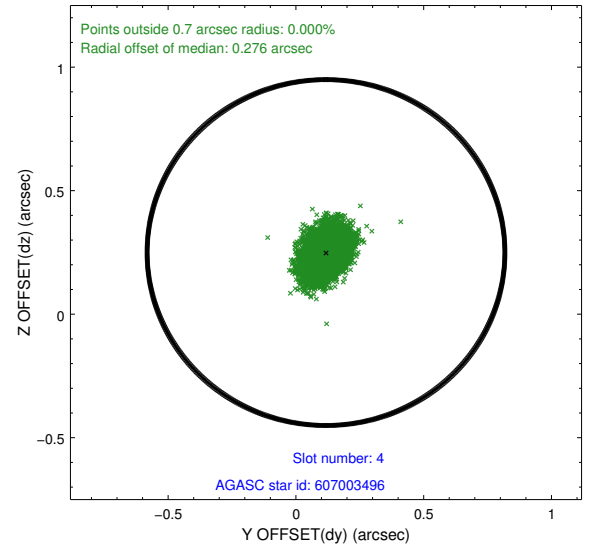
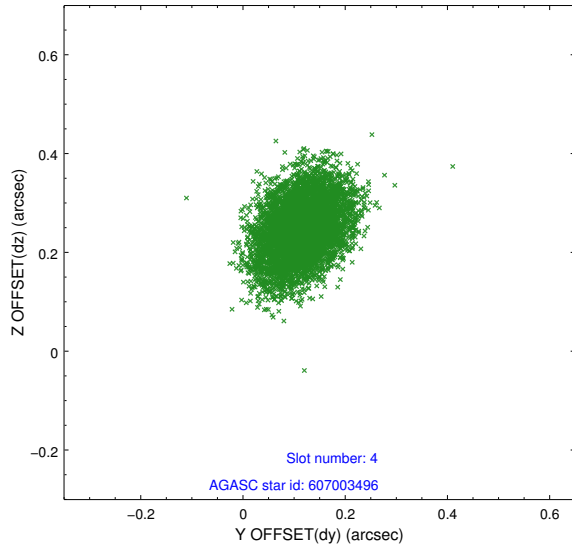
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.06	2478	-0.175	-0.123	0.009	0.018	0.000000	0.000000	-775.74	-1739.89
1	FID		ACIS-S-4	7.14	2477	0.212	0.086	0.010	0.016	0.000000	0.000000	2137.73	168.18
2	FID		ACIS-S-6	7.28	2477	-0.063	0.043	0.010	0.017	0.000000	0.000000	387.09	806.18
3	GUIDE	used	606998600	7.23	4955	0.039	-0.172	0.077	0.138	144.240165	82.925382	-122.20	1248.46
4	GUIDE	used	607003496	8.23	4953	0.118	0.249	0.080	0.129	149.989507	83.475683	-1533.52	-1563.69
5	GUIDE	used	607010560	8.62	4954	0.136	0.076	0.087	0.138	147.344229	83.714556	-203.61	-1873.92
6	GUIDE	used	606998240	8.37	4952	-0.120	-0.170	0.112	0.183	142.037328	82.688368	509.28	2394.48
7	GUIDE	used	607012224	7.70	4953	-0.175	0.010	0.060	0.096	143.315443	83.741617	1296.39	-1353.02

2.4 Star Slots

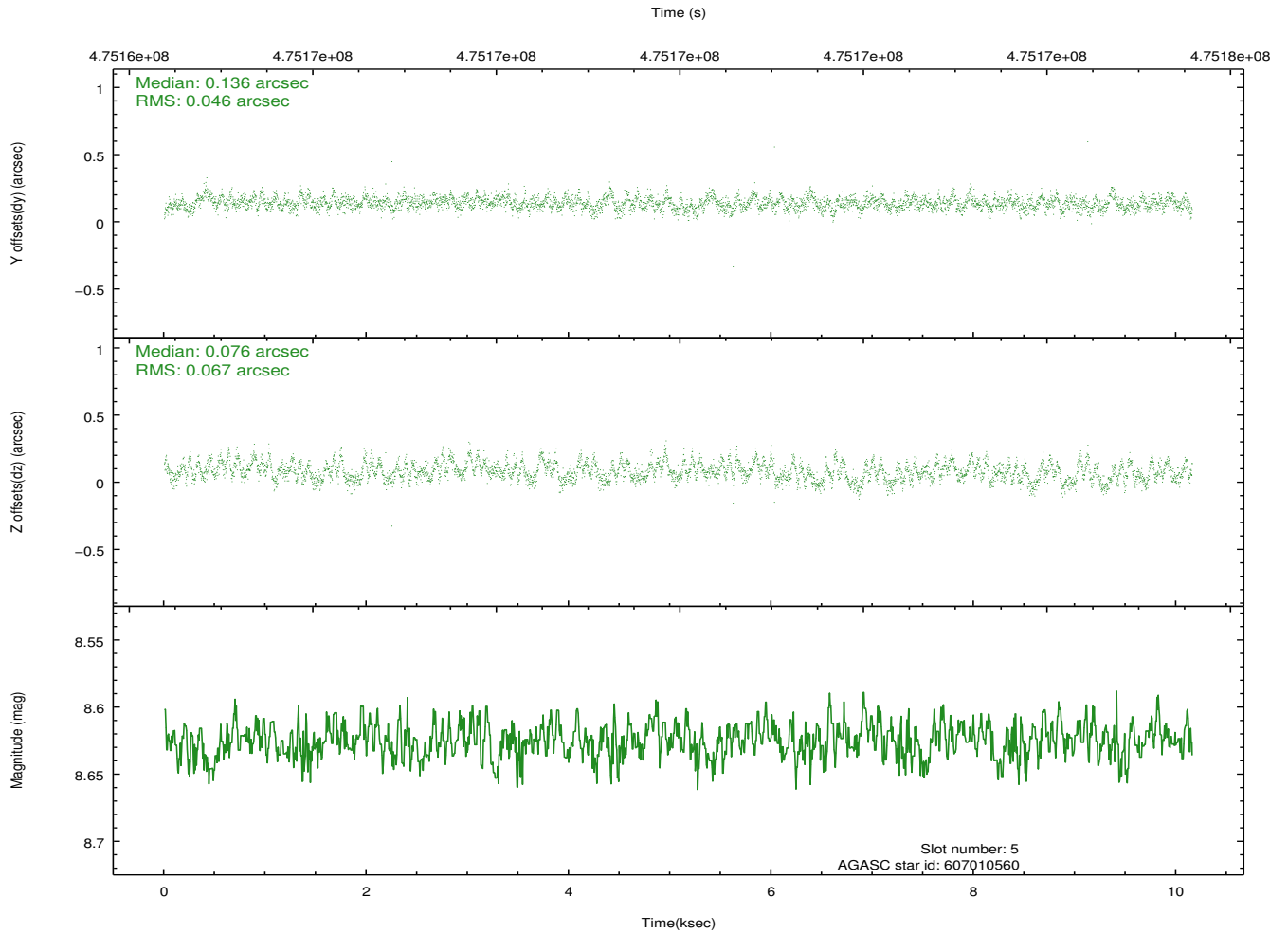
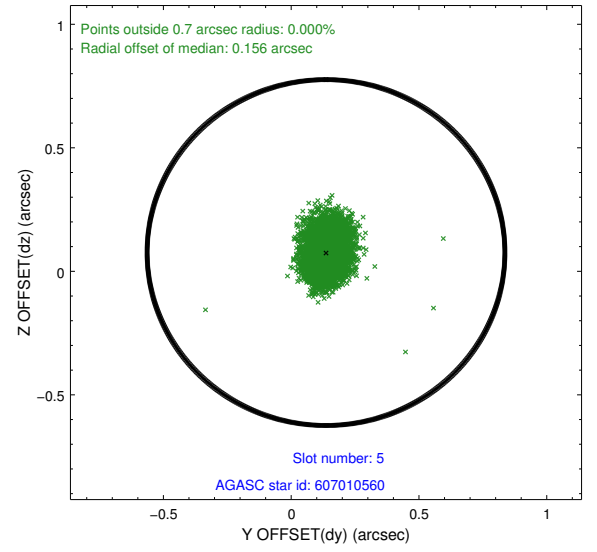
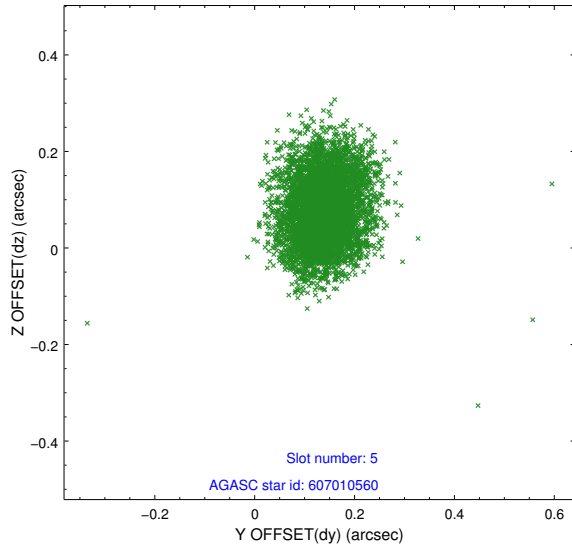
2.4.1 Slot 3



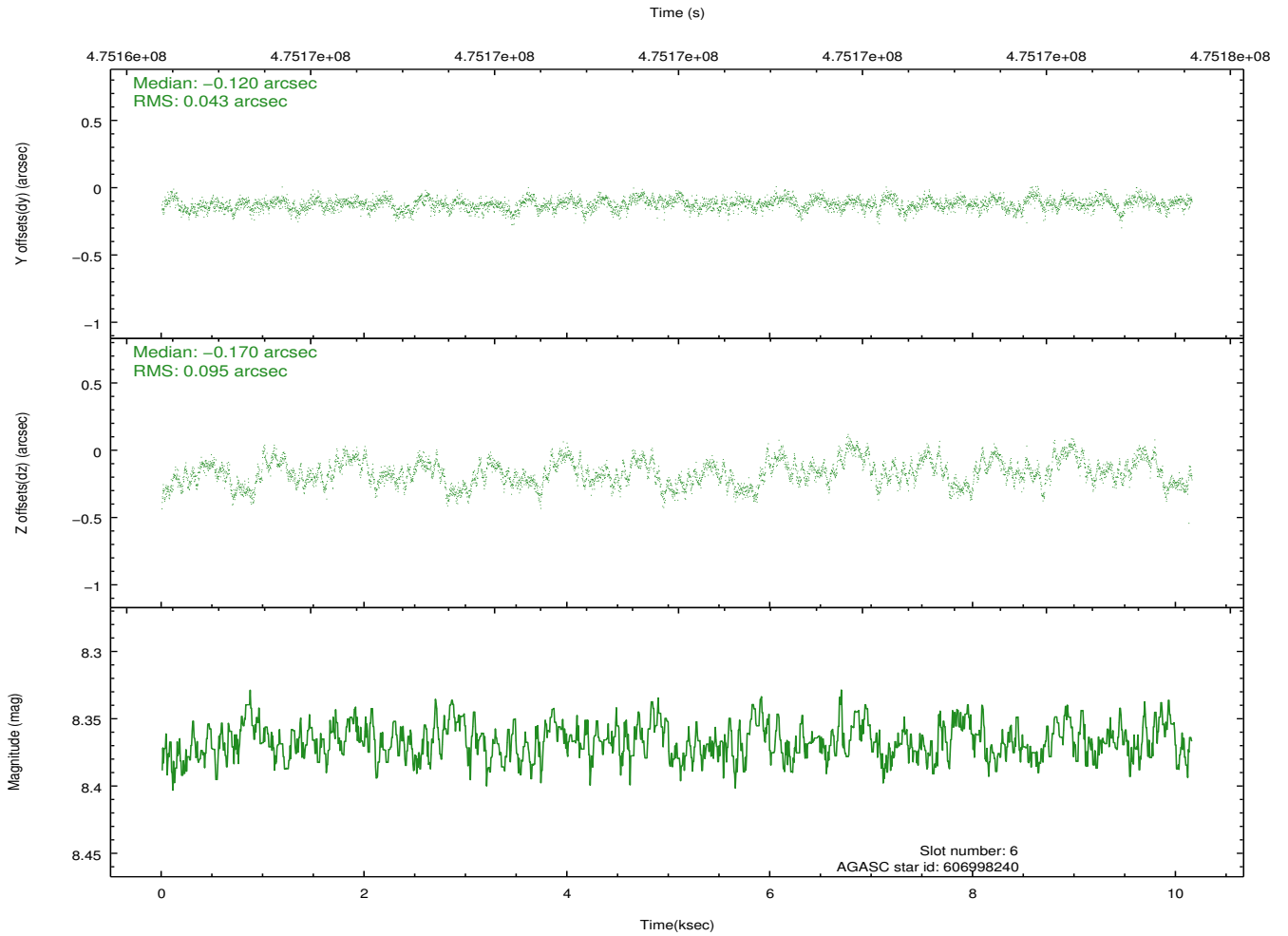
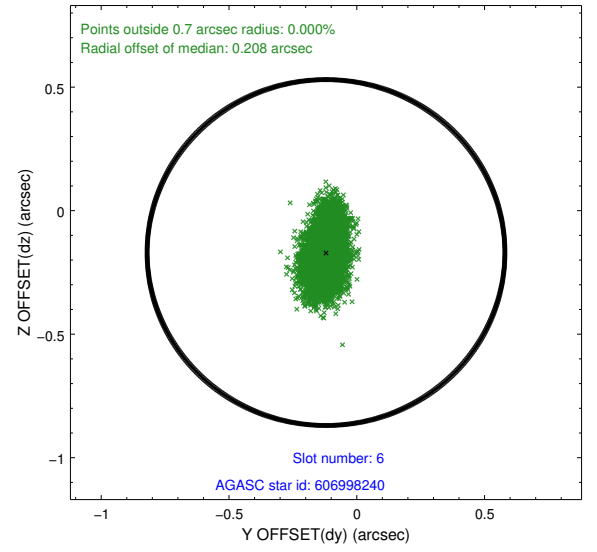
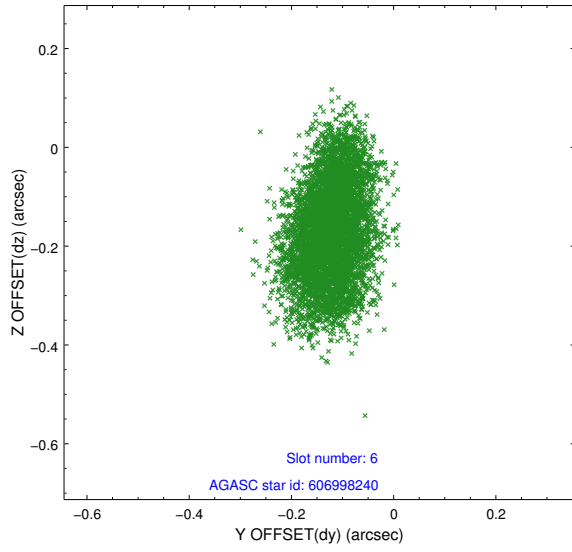
2.4.2 Slot 4



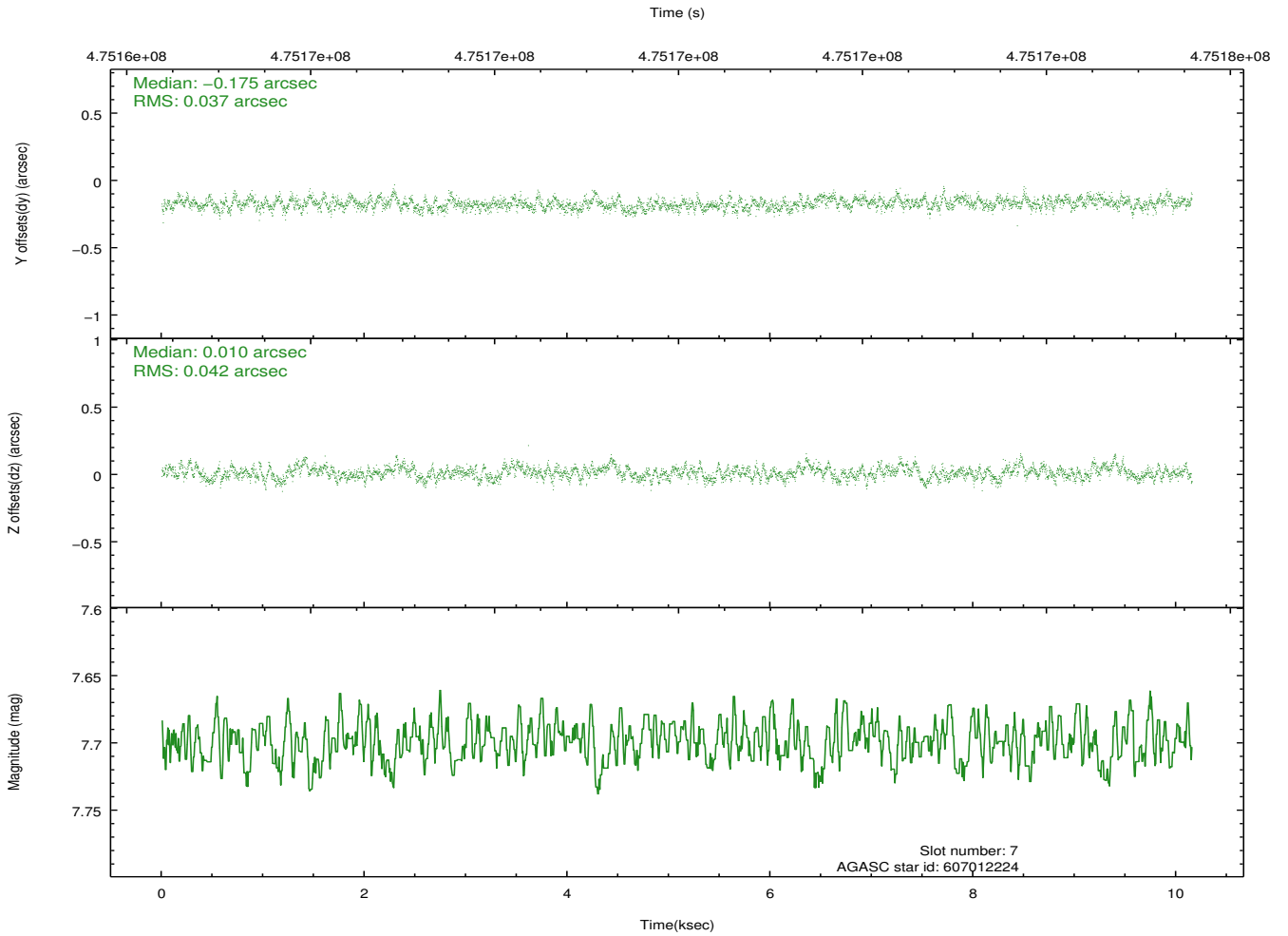
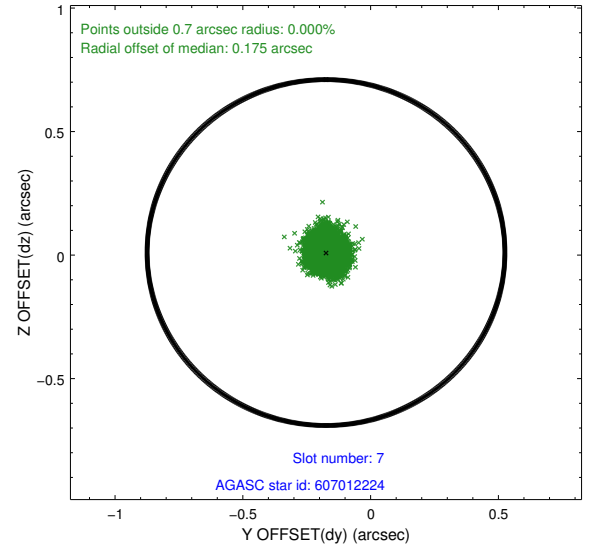
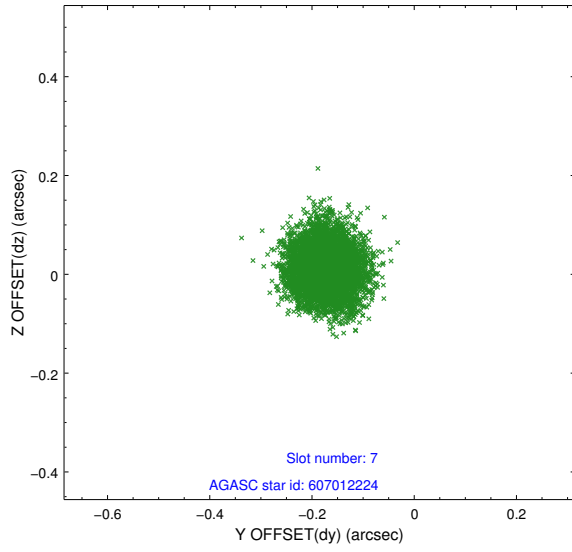
2.4.3 Slot 5



2.4.4 Slot 6

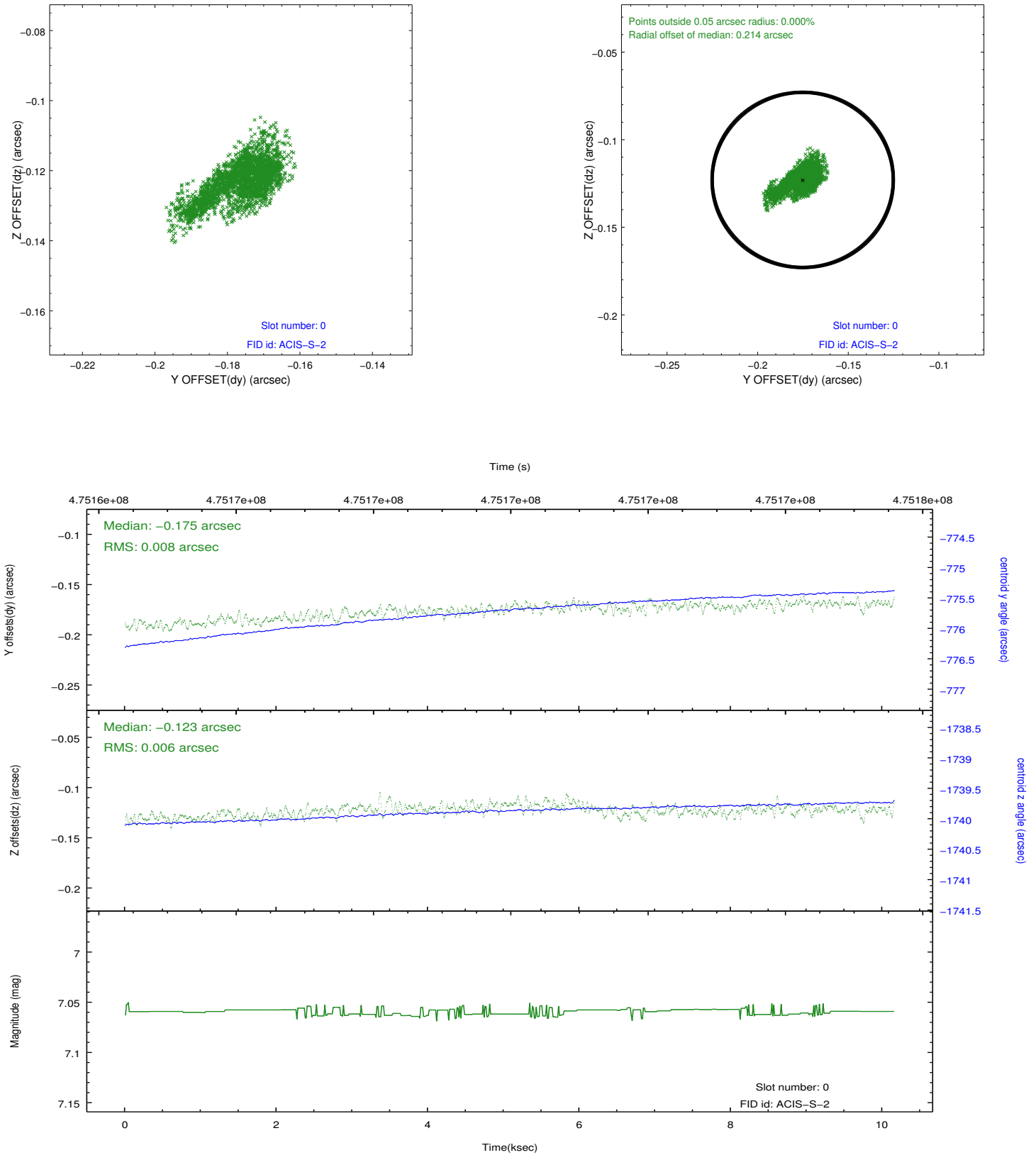


2.4.5 Slot 7

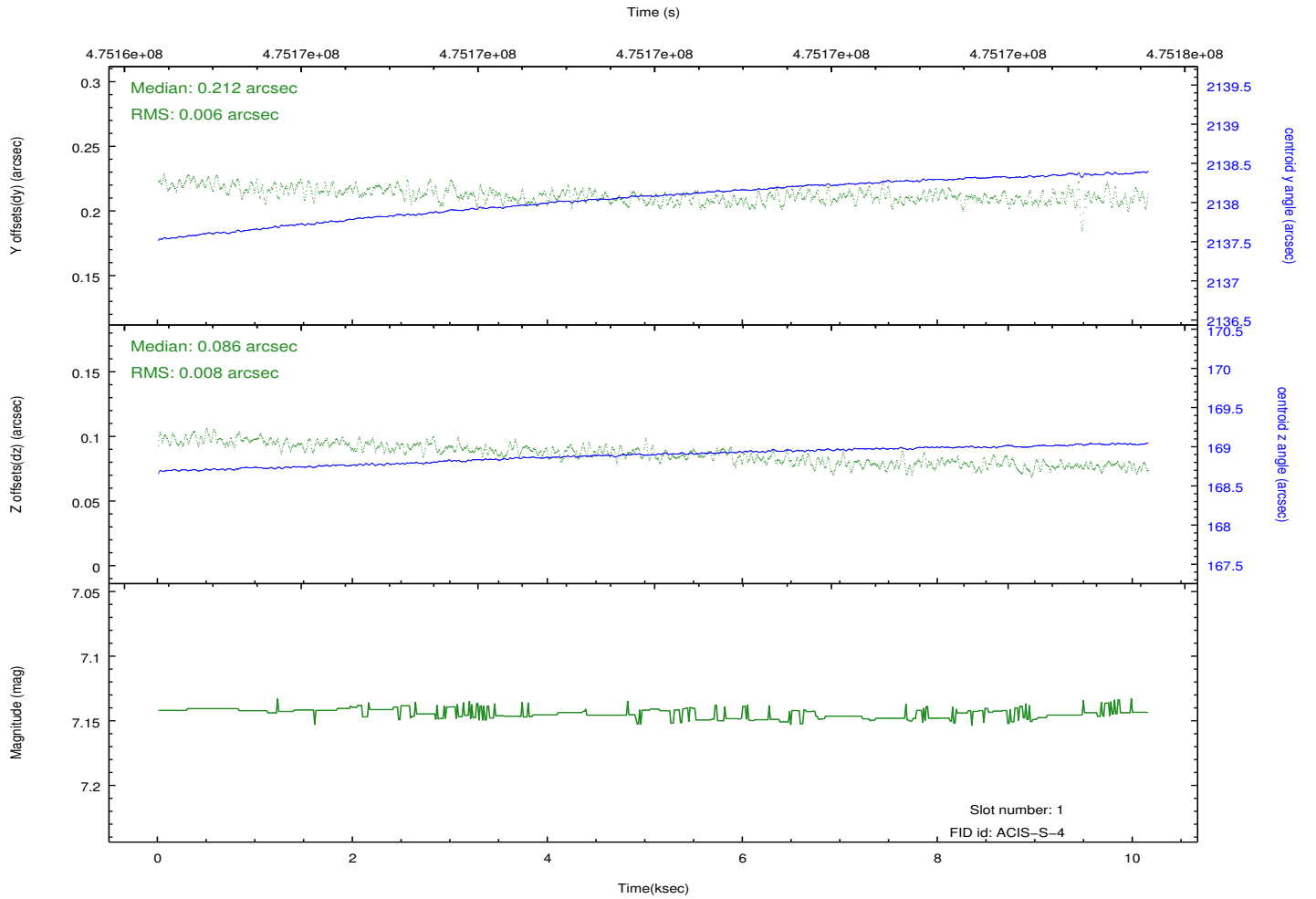
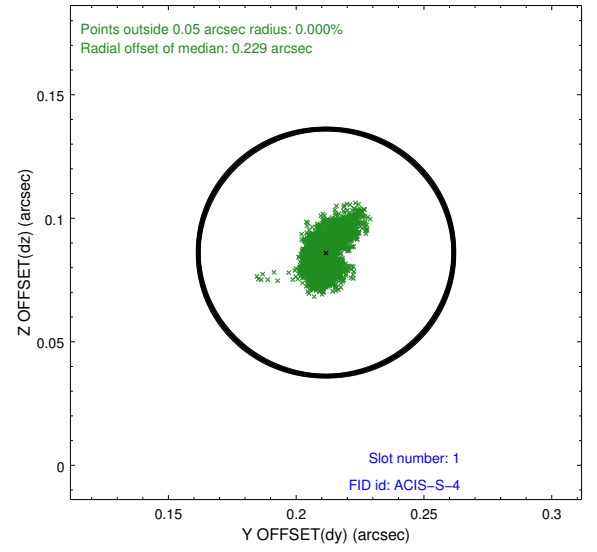
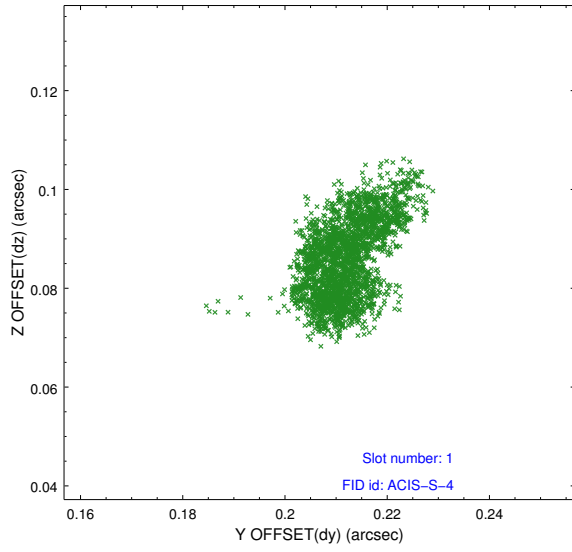


2.5 FID Slots

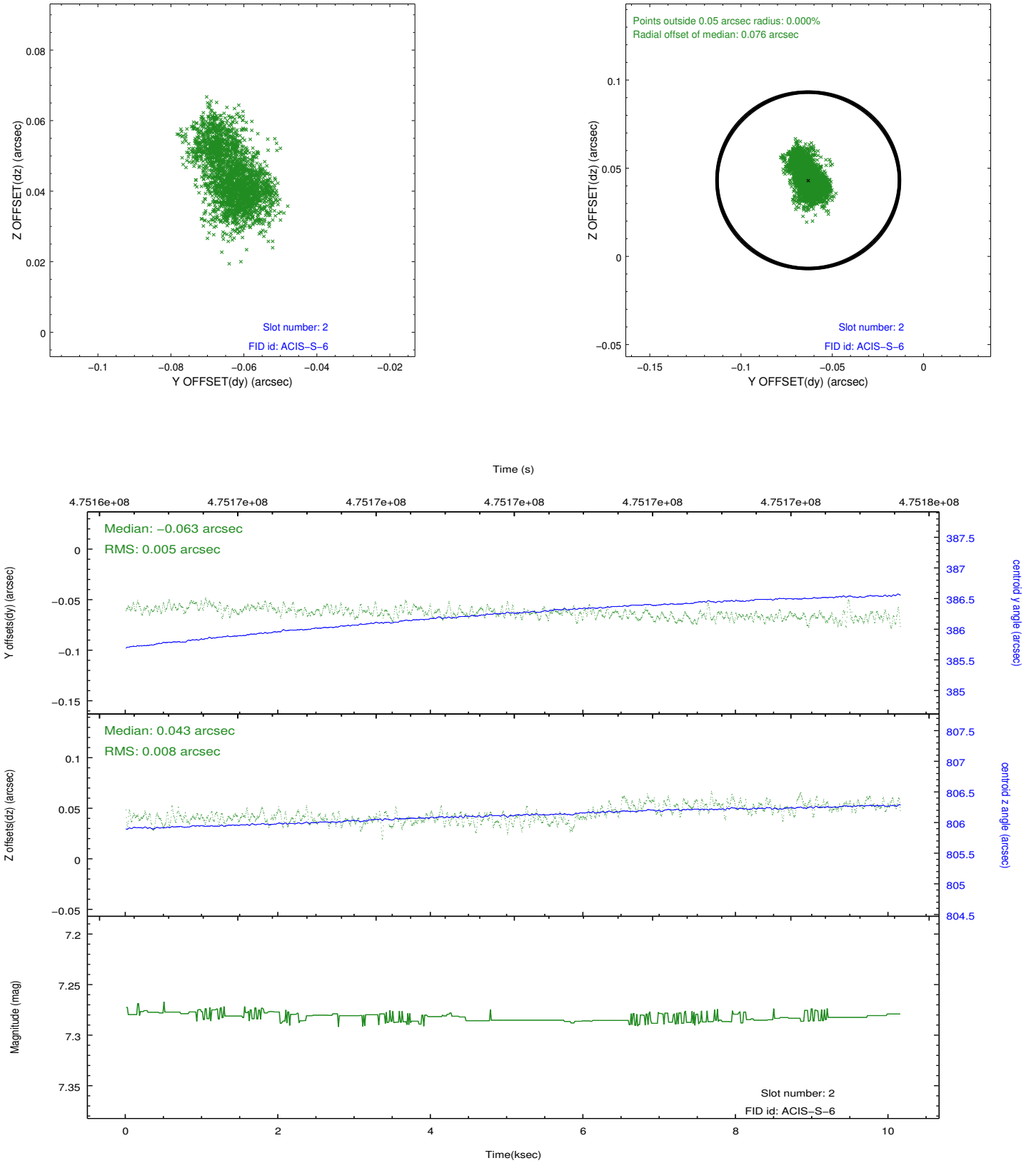
2.5.1 Slot 0



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)	2014.12.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.071897615433

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.