

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 20033 - L2 Version 1
Chandra X-Ray Center

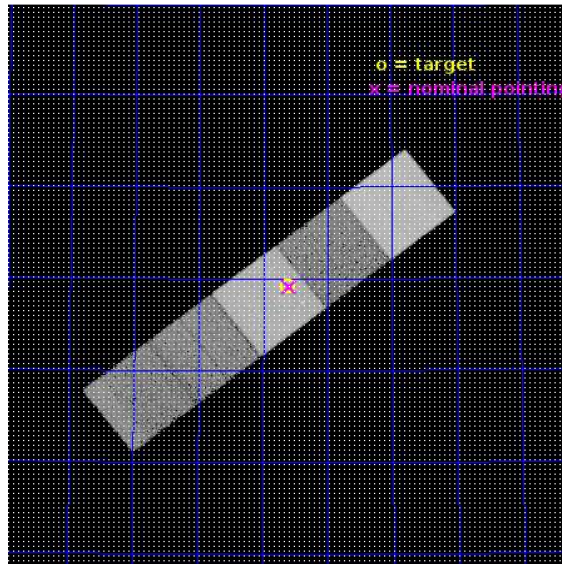
L2 Processing Date : Mar 12 2017

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1 Front

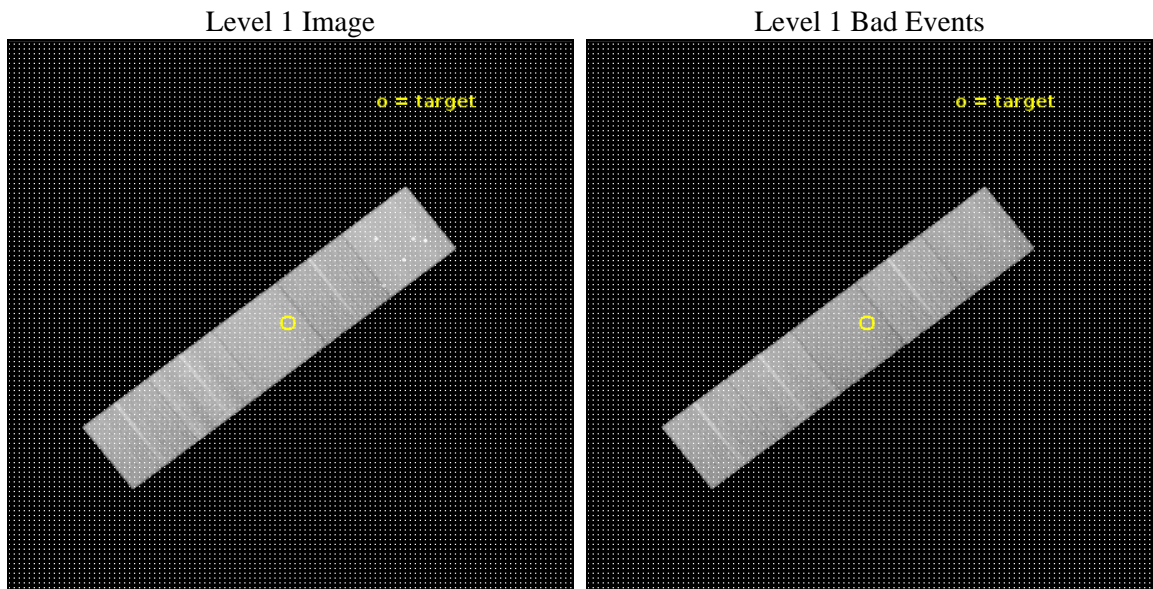
seq_num	703172	Sequence number
obs_id	20033	Observation id
title	CMB-INDUCED RADIO QUENCHING OF HIGH-REDSHIFT AGN	Proposal title
observer	Elena Gallo	Principal investigator
object	4C63.20	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	219.155417	Observer's specified target RA [deg]
dec_targ	63.320306	Observer's specified target Dec [deg]
ra_nom	219.14809707285	Nominal RA [deg]
dec_nom	63.319011220827	Nominal Dec [deg]
roll_nom	142.16316780588	Nominal Roll [deg]
revision	1	Processing version of data
ontime	28039.500215769	Sum of GTIs [s]
livetime	27673.14350307	Livetime [s]
ontime5	28039.500215769	Sum of GTIs [s]
ontime6	28039.500215769	Sum of GTIs [s]
ontime7	28039.500215769	Sum of GTIs [s]
ontime8	28039.500215769	Sum of GTIs [s]
ontime9	28039.500215769	Sum of GTIs [s]
l2events	320913	Number of level 2 events



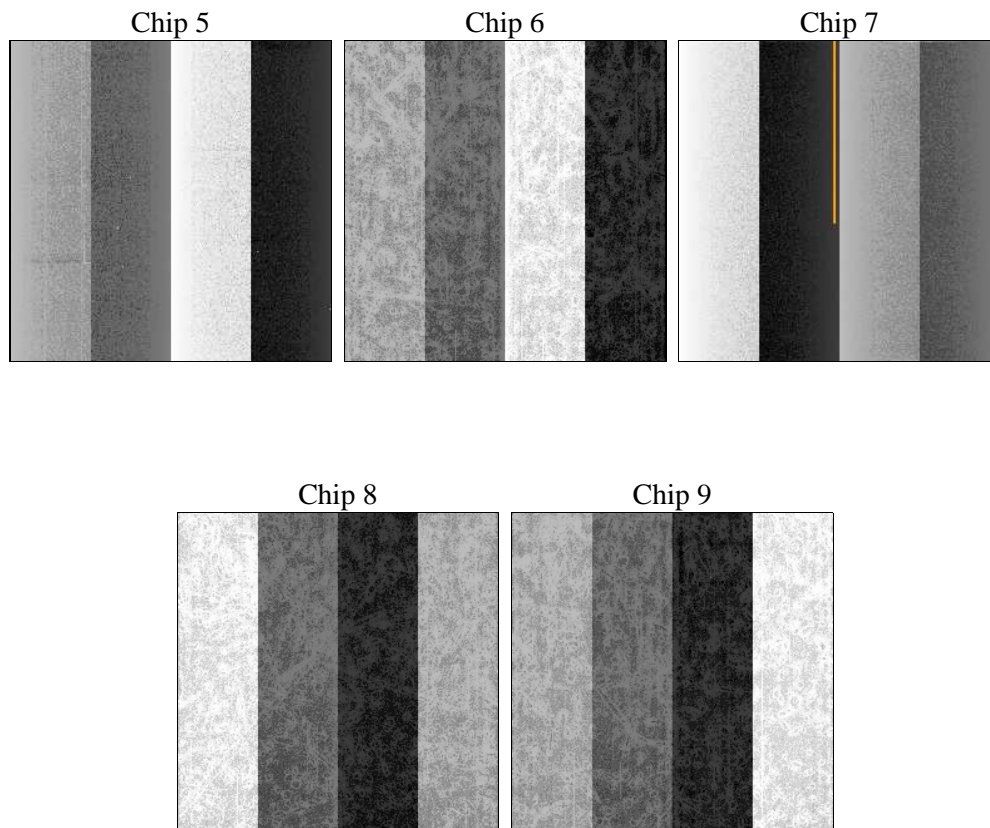
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	28000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.2	Processing system revision	ontime	28039.500215769	Sum of GTIs [s]
caldbver	4.7.3	 	ontime5	28039.500215769	Sum of GTIs [s]
date	2017-03-12T15:04:36	Date and time of file creation	ontime6	28039.500215769	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	28039.500215769	Sum of GTIs [s]
			ontime8	28039.500215769	Sum of GTIs [s]
			ontime9	28039.500215769	Sum of GTIs [s]
			l1events	1299475	Number of level 1 events

2.1.4 Events

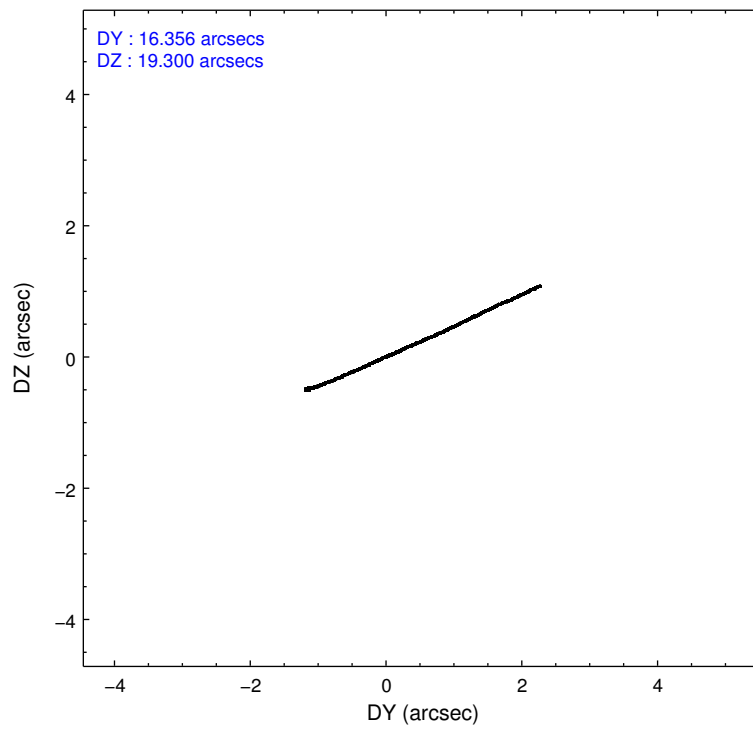
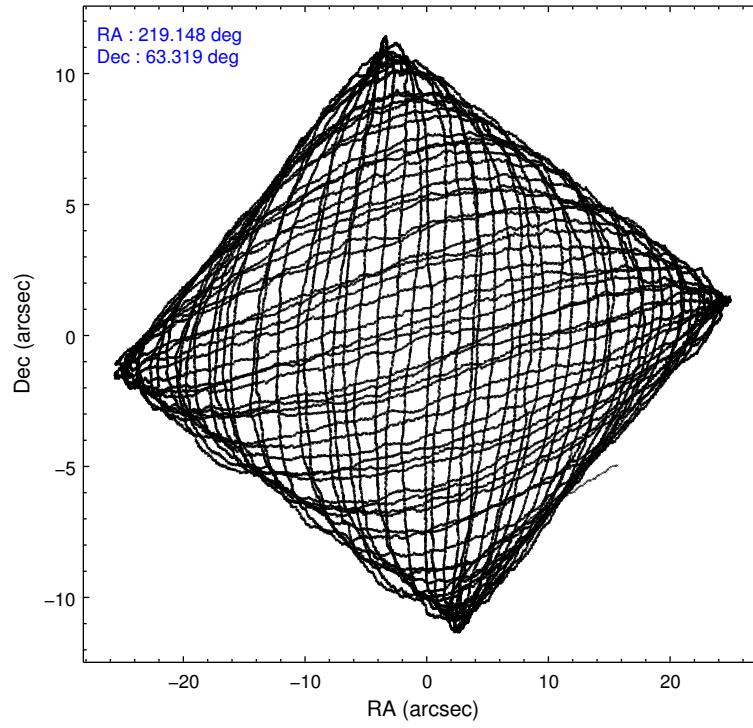
	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	338401	211103	262695	273486	213790
rejected events	170346	188020	150029	203010	189497
rejected %	50%	89%	57%	74%	88%

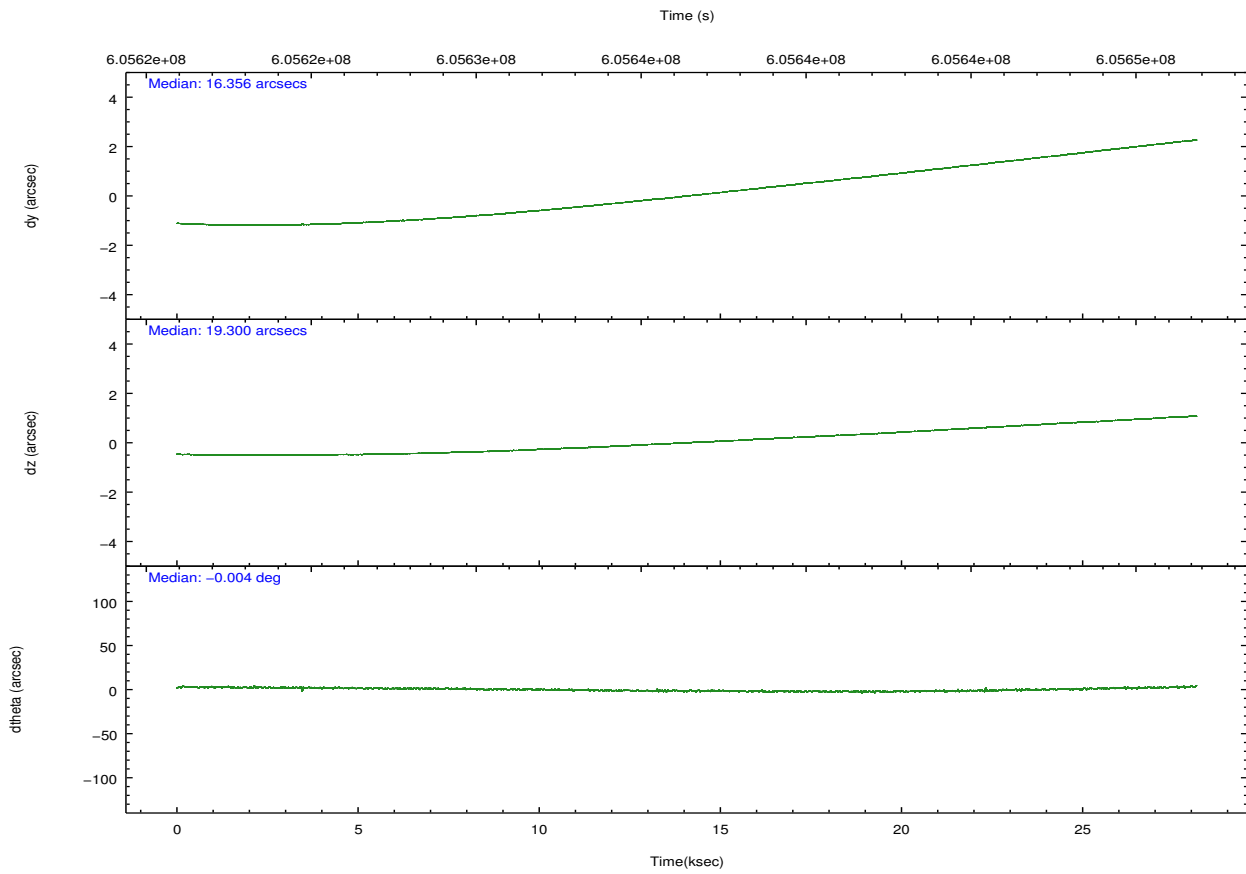
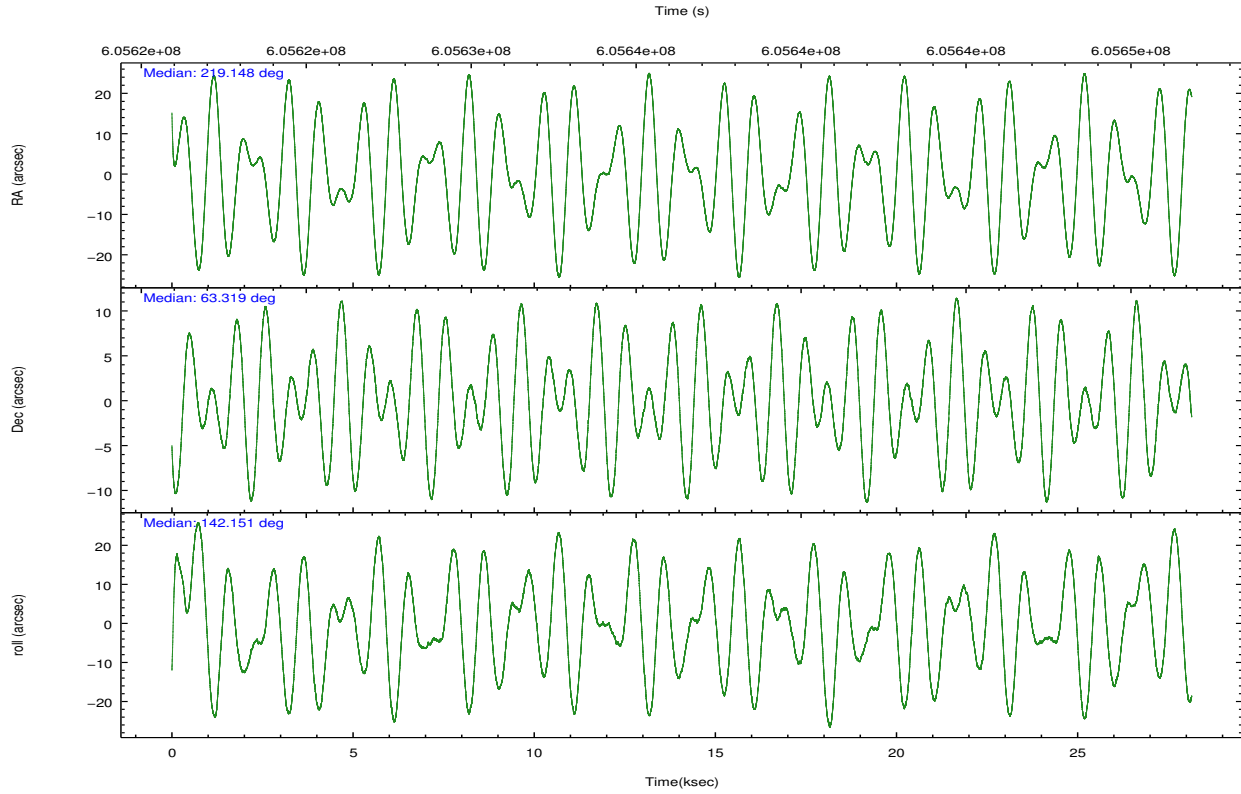
	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	22919	7403	9153	19094	8385
	6%	3%	3%	6%	3%
grade 1 events	1245	92	357	207	121
	0%	0%	0%	0%	0%
grade 2 events	49697	5541	24142	17426	5605
	14%	2%	9%	6%	2%
grade 3 events	4748	2232	8409	7232	2448
	1%	1%	3%	2%	1%
grade 4 events	4607	2180	8392	6745	2317
	1%	1%	3%	2%	1%
grade 5 events	21339	9323	24683	14361	10630
	6%	4%	9%	5%	4%
grade 6 events	86103	5728	62587	19980	5541
	25%	2%	23%	7%	2%
grade 7 events	147743	178604	124972	188441	178743
	43%	84%	47%	68%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-56789	ACIS-56789	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	219.208717	219.1480970728516	CCD I2 on	N	N
[deg] Pointing Dec	63.315625	63.31901122082722	CCD I3 on	N	N
[deg] Pointing Roll	141.952372	142.163167805876	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O2	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)	605622451.184000	605621442.86127	CCD S5 on	O1	Y
Observation start date	2017-03-11T12:26:22	2017-03-11T12:10:42	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	605650451.184000	605651114.05049	On-chip summing requested	N	N
Observation end date	2017-03-11T20:13:02	2017-03-11T20:25:14	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect





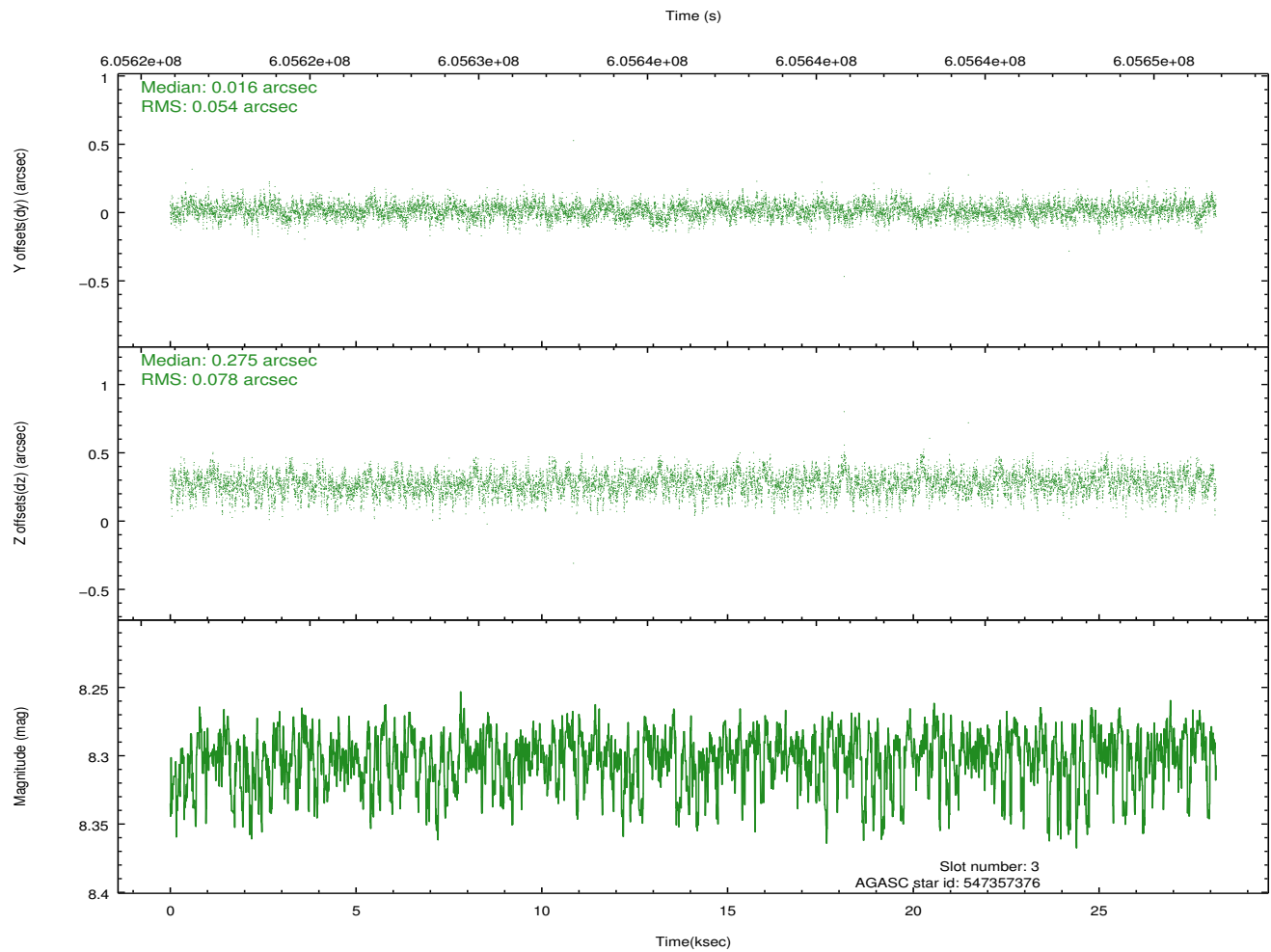
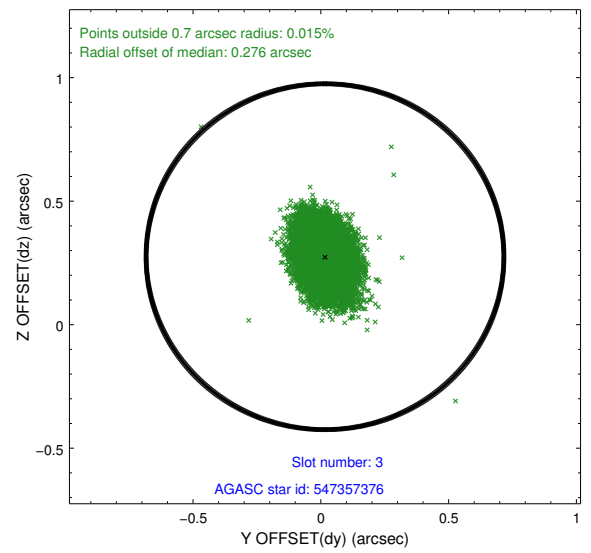
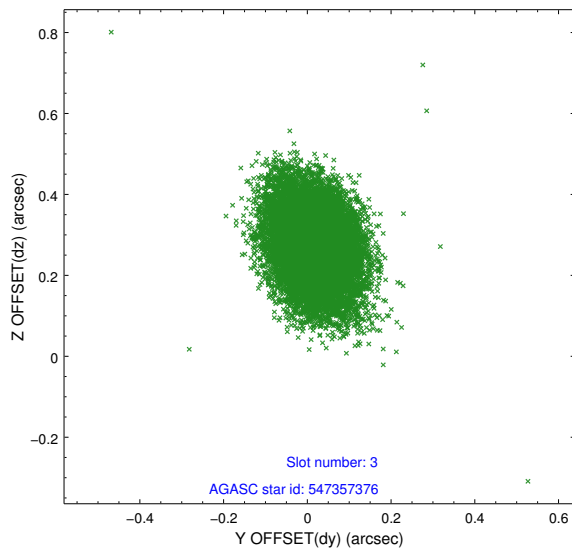
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.20	6866	0.196	0.030	0.039	0.055	0.000000	0.000000	926.68	-1736.50
1	FID		ACIS-S-2	7.10	6865	-0.269	-0.113	0.016	0.024	0.000000	0.000000	-769.64	-1741.25
2	FID		ACIS-S-6	7.35	6866	0.048	0.083	0.028	0.049	0.000000	0.000000	392.19	804.81
3	GUIDE	used	547357376	8.30	13719	0.016	0.275	0.099	0.166	219.074079	63.465577	504.13	-291.67
4	GUIDE	used	547364360	9.34	13705	0.018	-0.127	0.144	0.244	218.260002	63.834871	2346.18	-552.24
5	GUIDE	used	547362648	8.67	13717	0.072	-0.276	0.132	0.234	217.953992	63.323480	1626.83	1211.78
6	GUIDE	used	547368104	7.24	13732	-0.198	-0.189	0.090	0.150	218.627030	63.215830	524.79	862.06
7	GUIDE	used	547356864	9.30	13714	0.088	0.328	0.147	0.245	219.552498	64.066331	1240.95	-2462.52

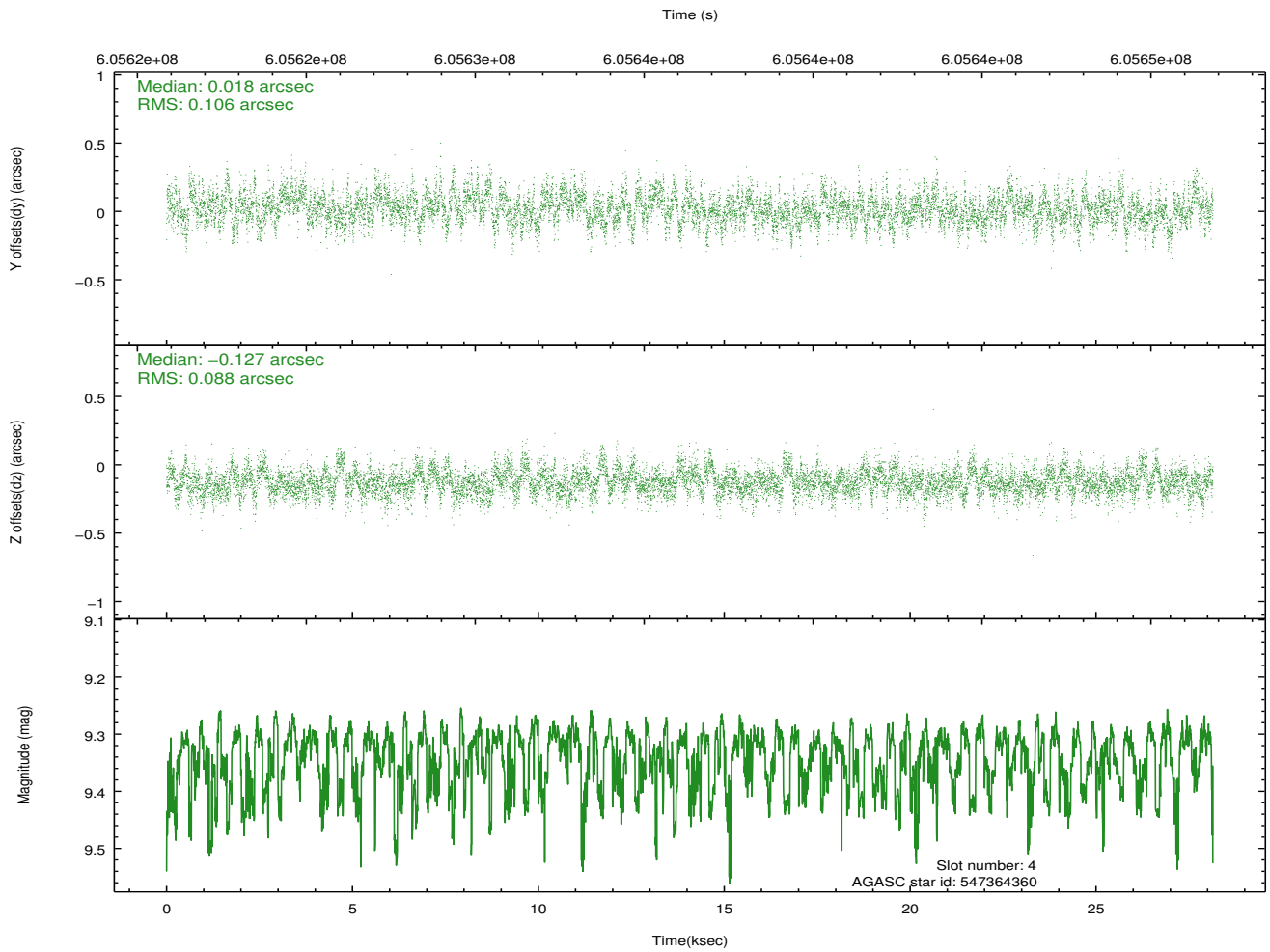
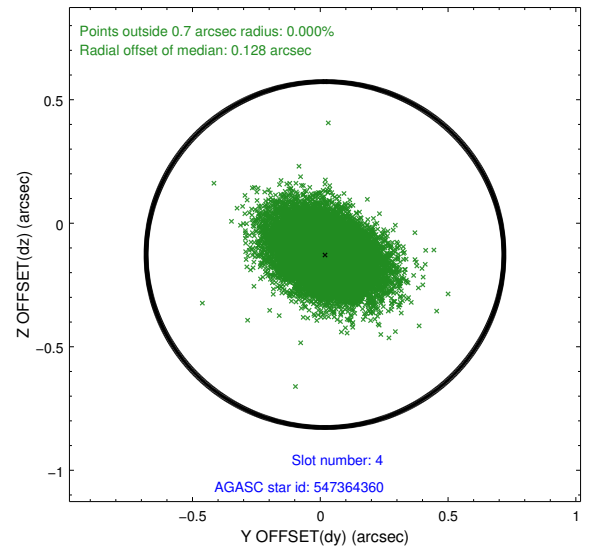
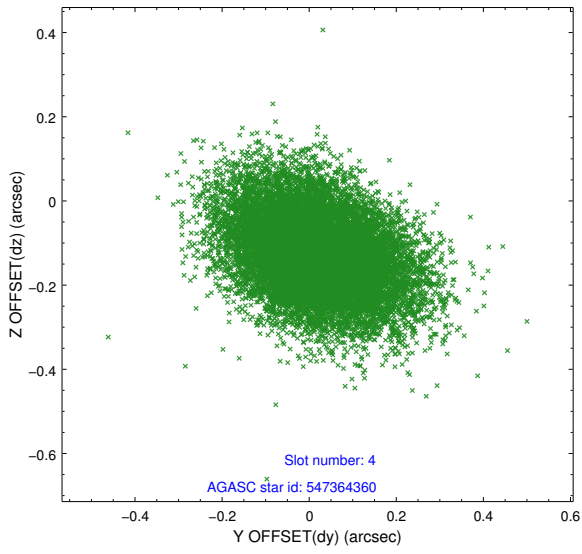
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2.4 Star Slots

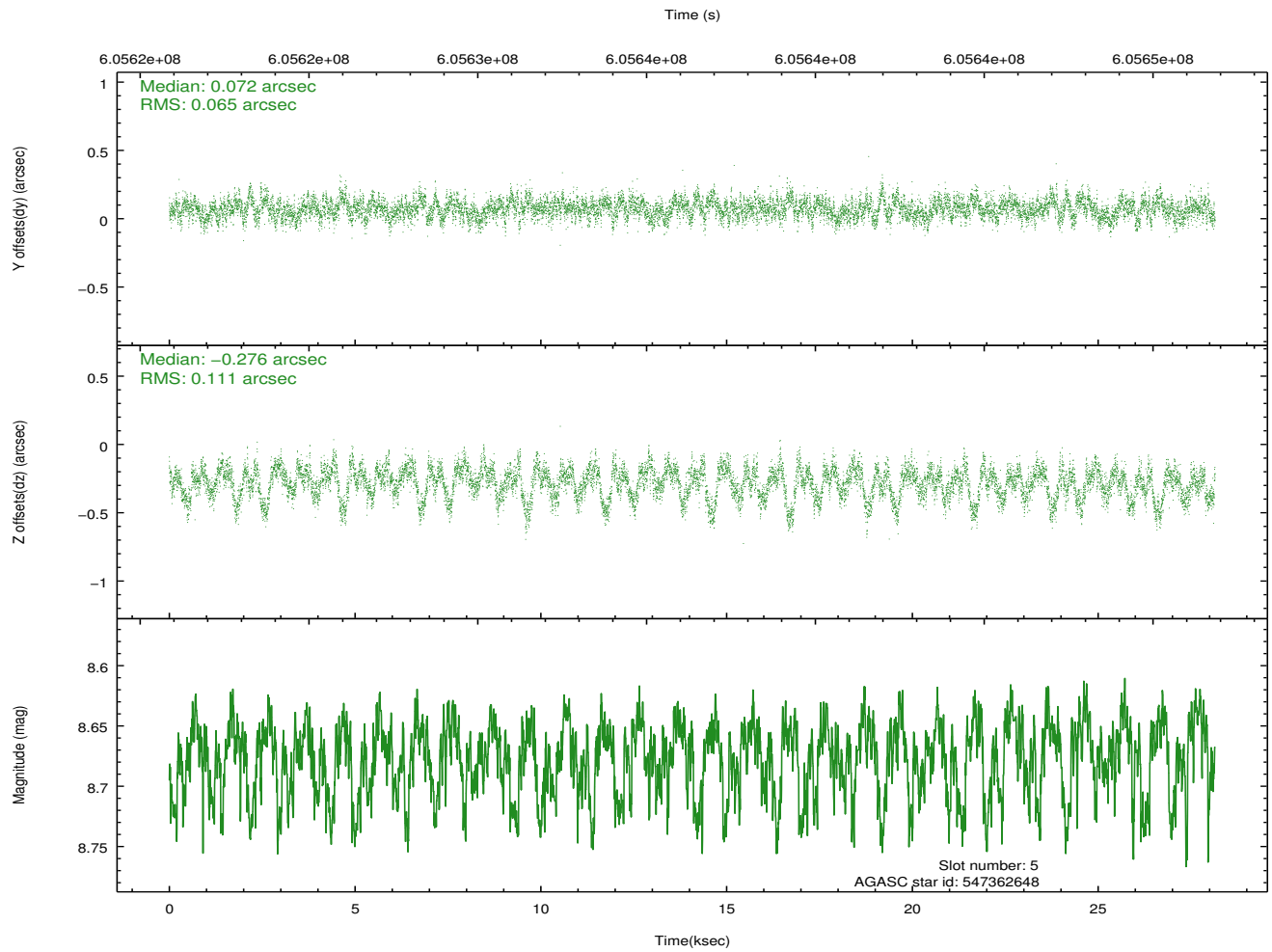
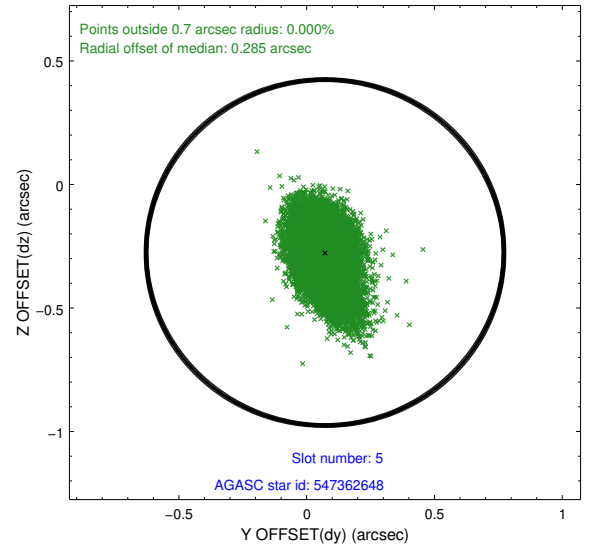
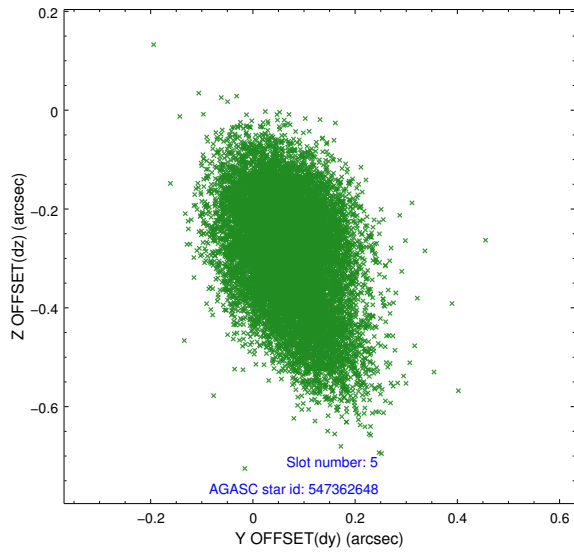
2.4.1 Slot 3



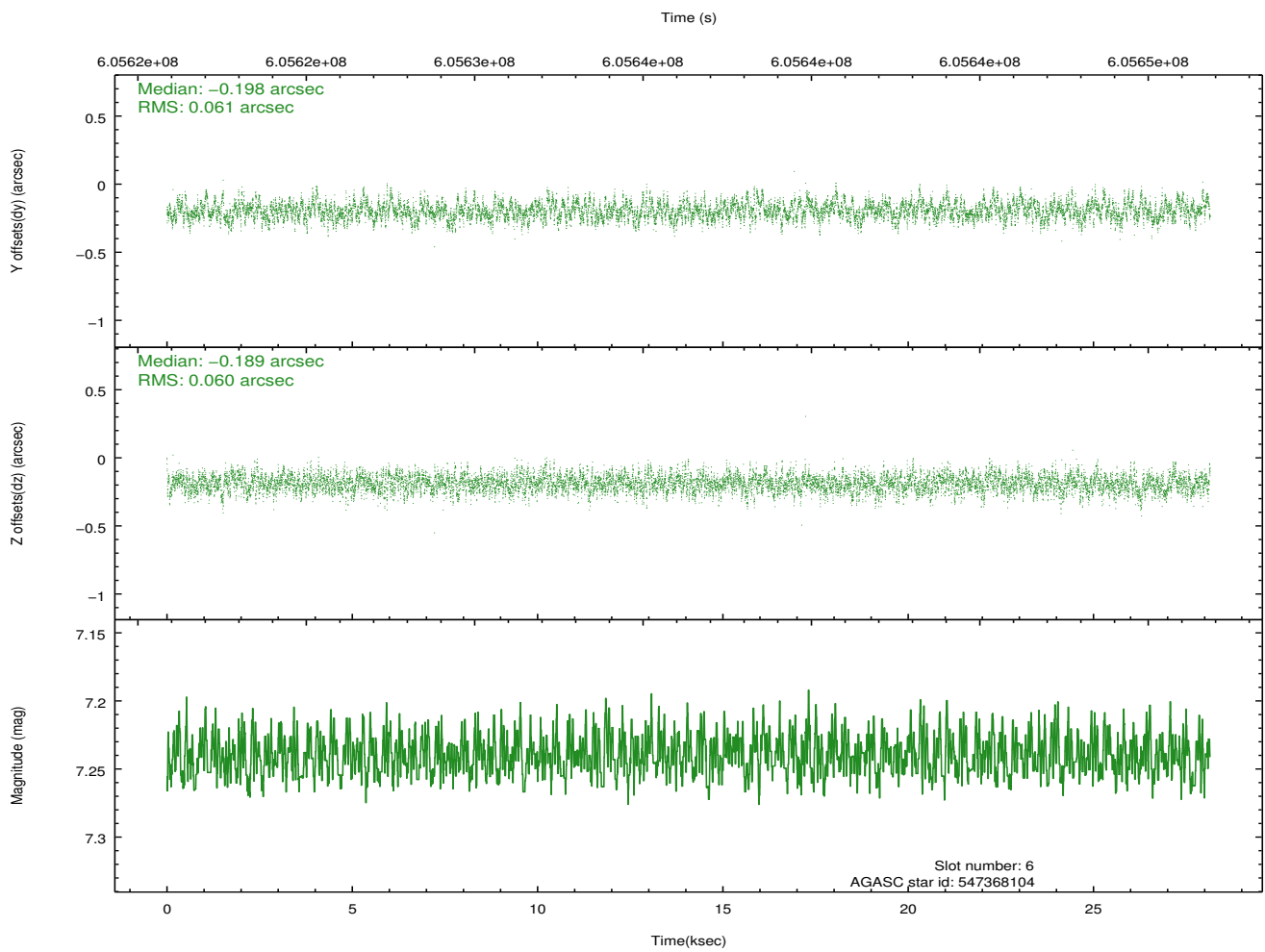
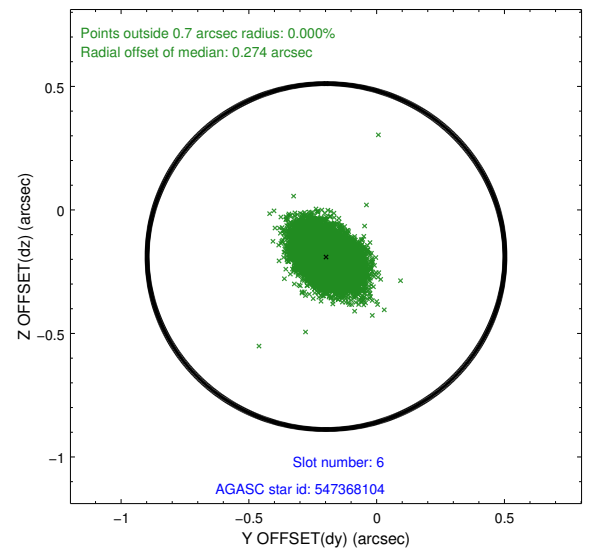
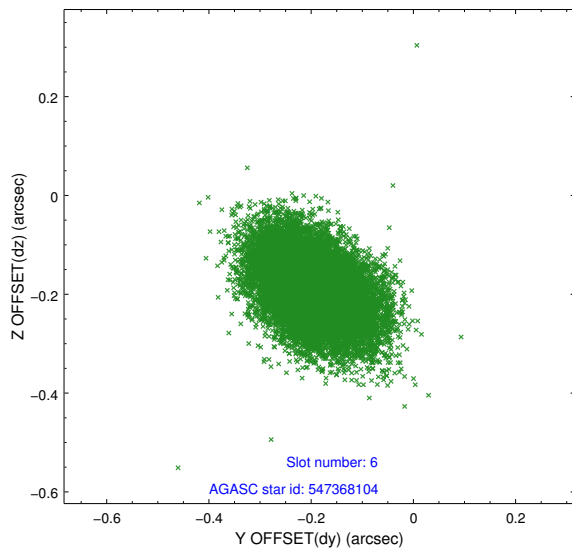
2.4.2 Slot 4



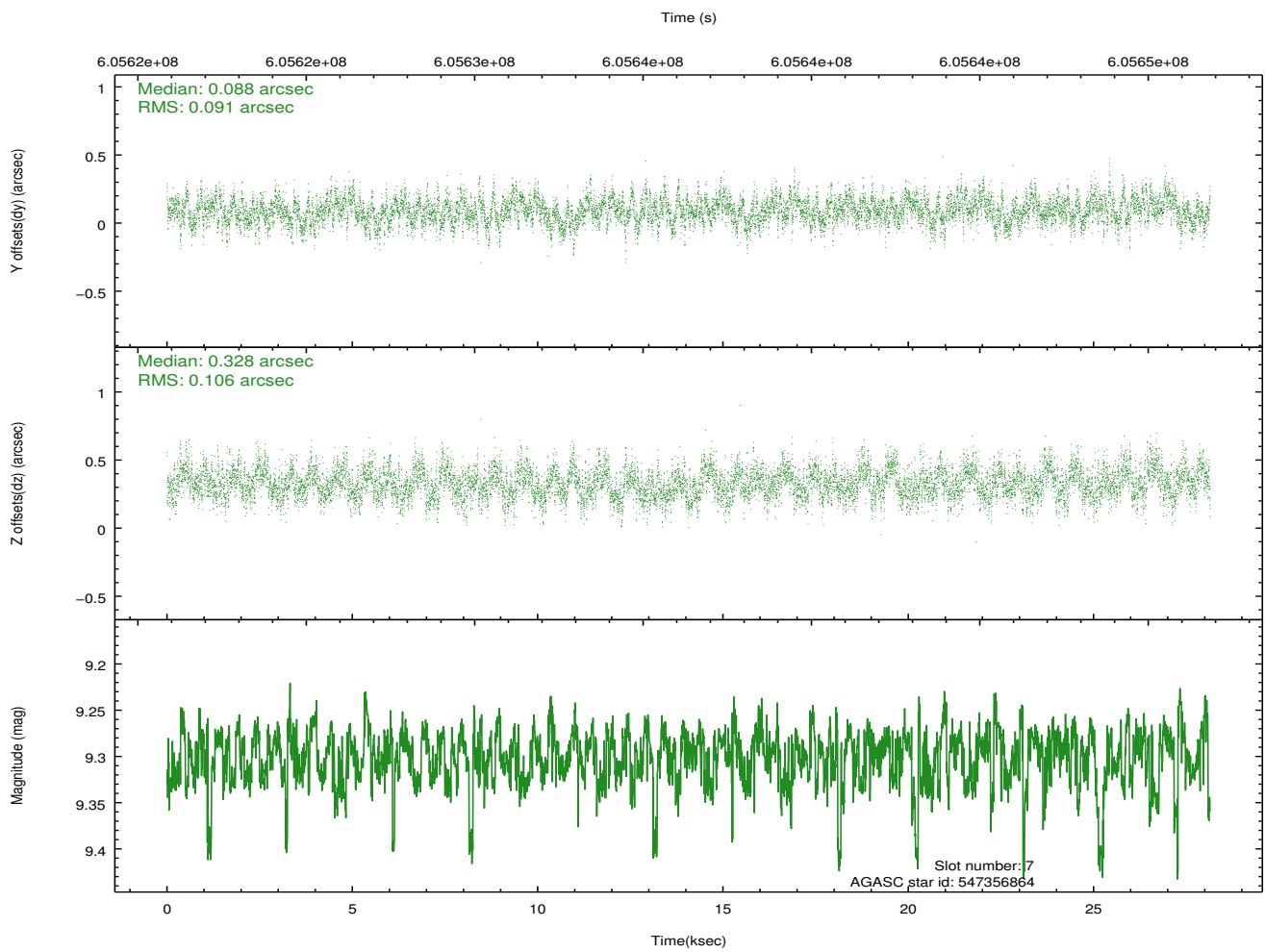
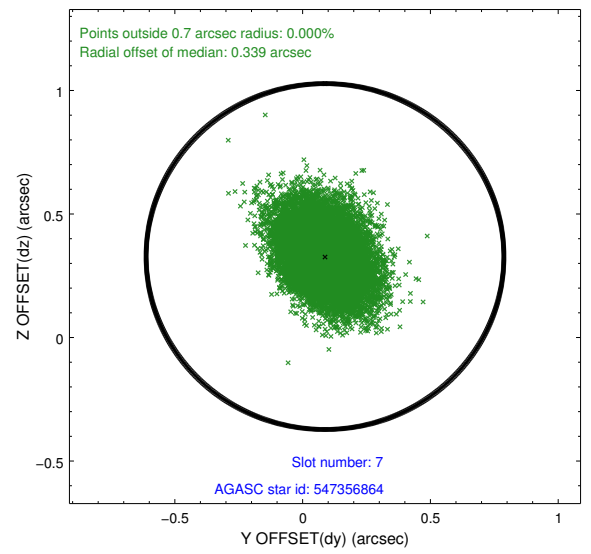
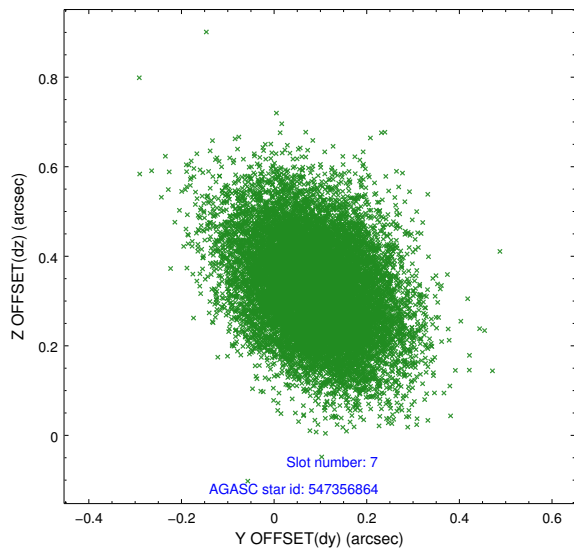
2.4.3 Slot 5



2.4.4 Slot 6

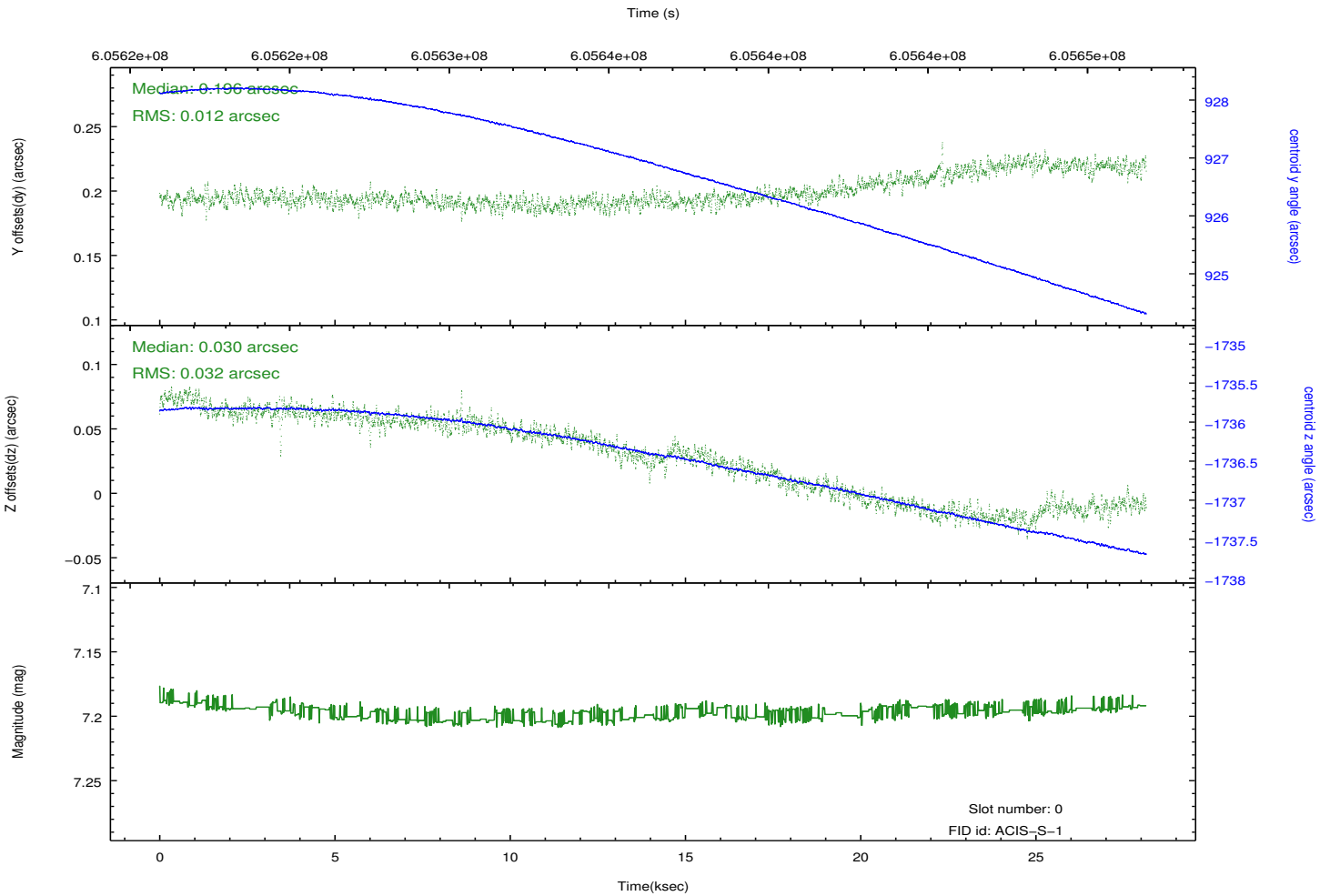
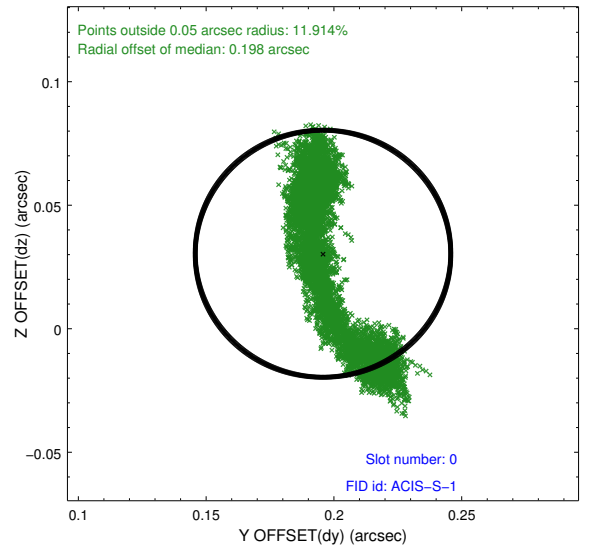
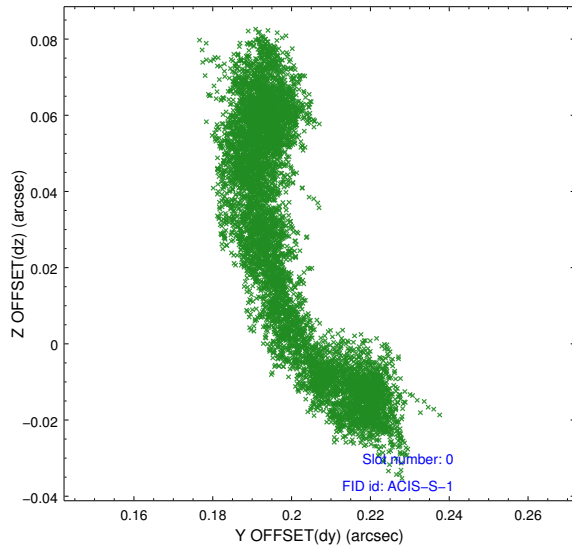


2.4.5 Slot 7

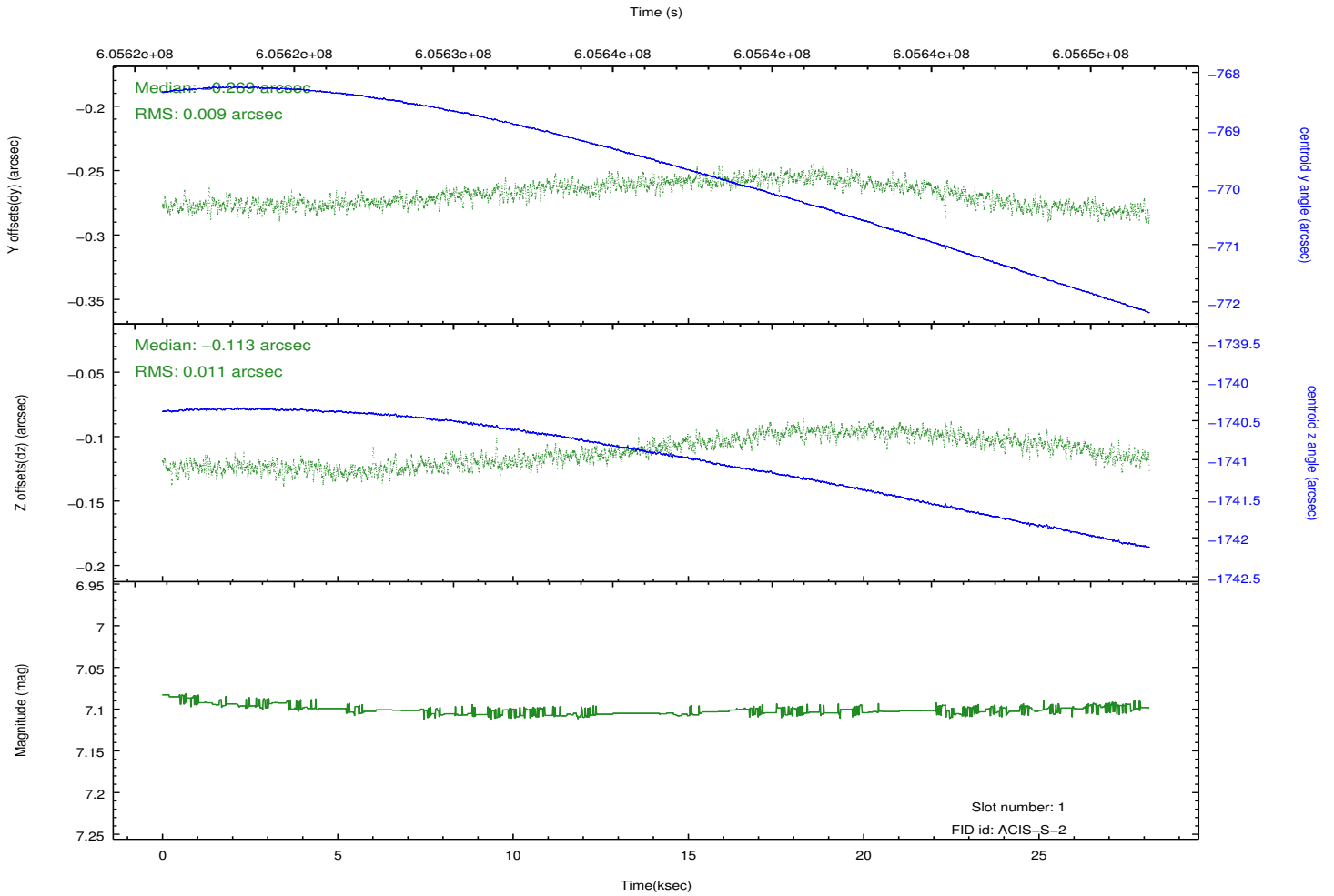
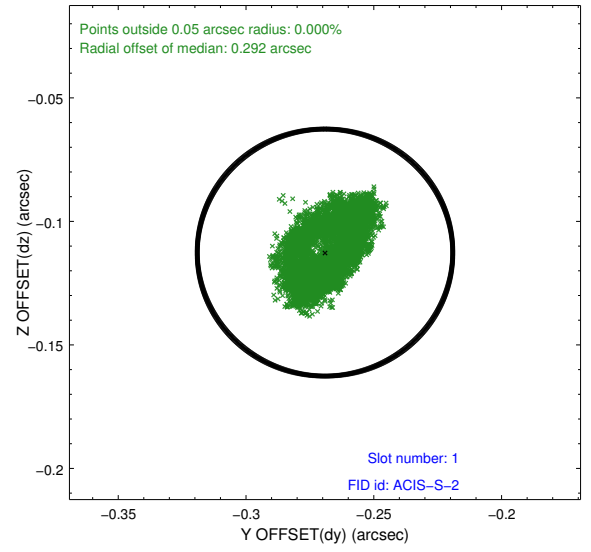
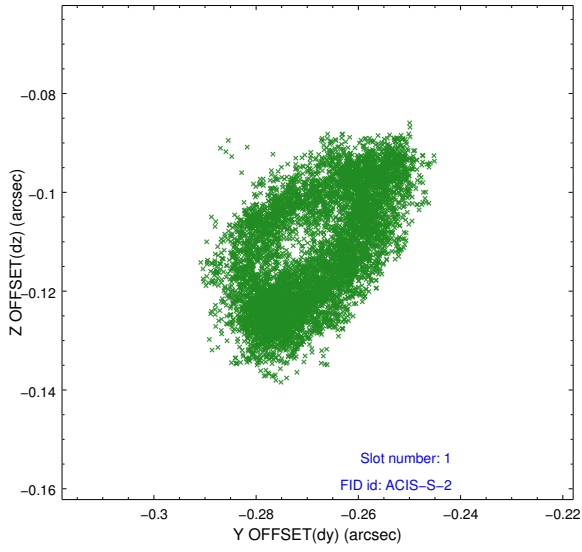


2.5 FID Slots

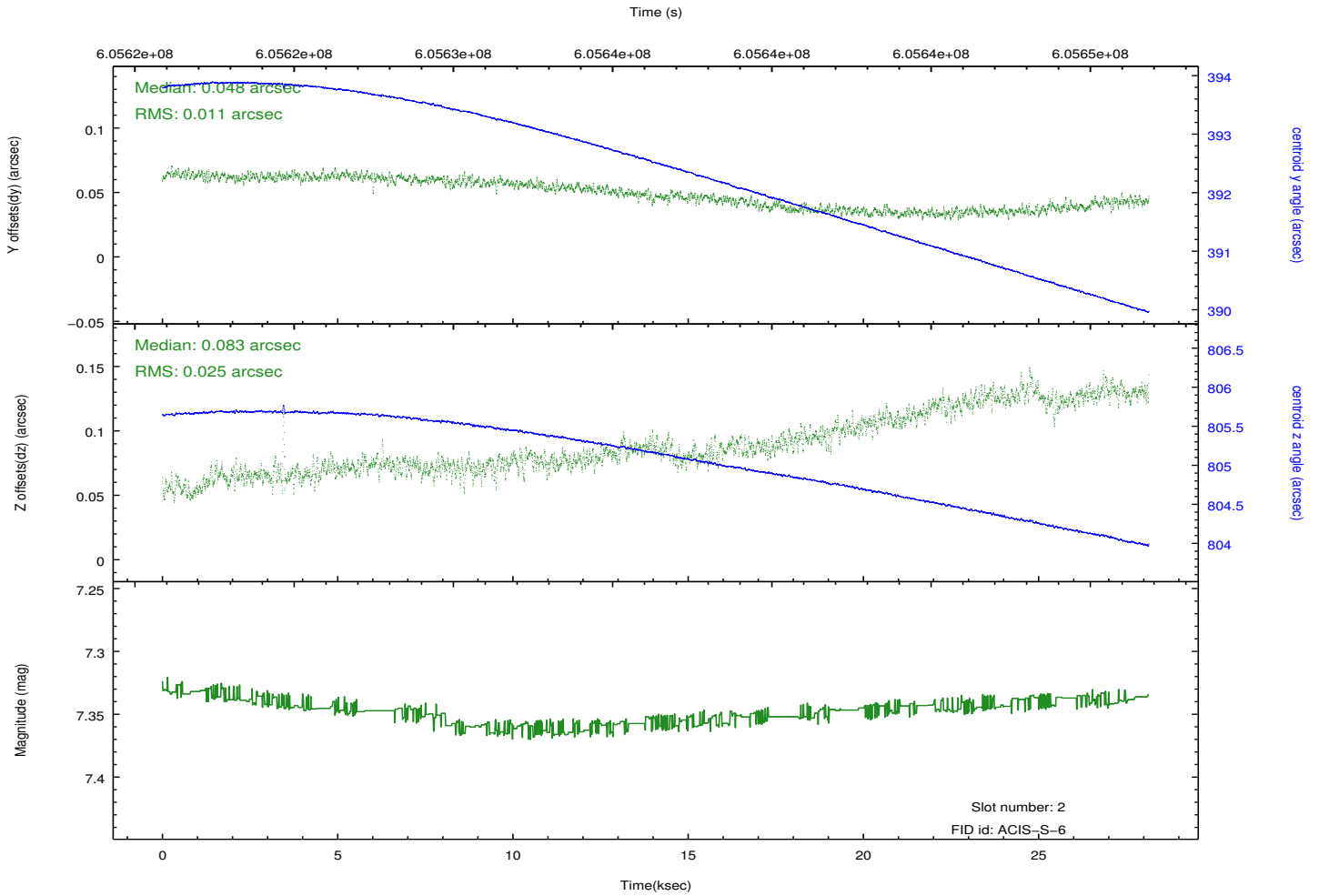
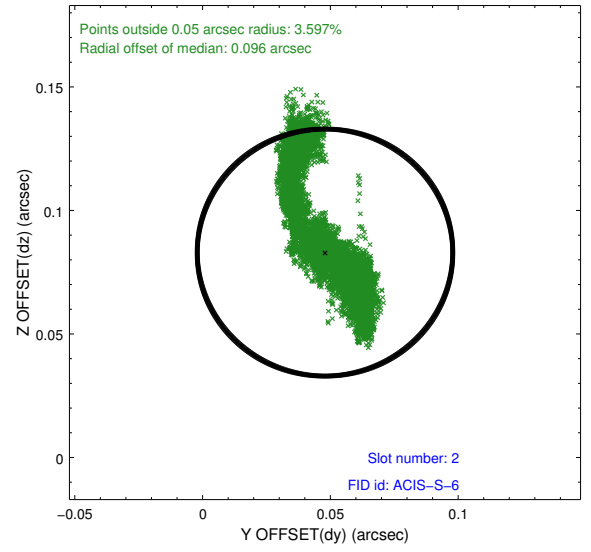
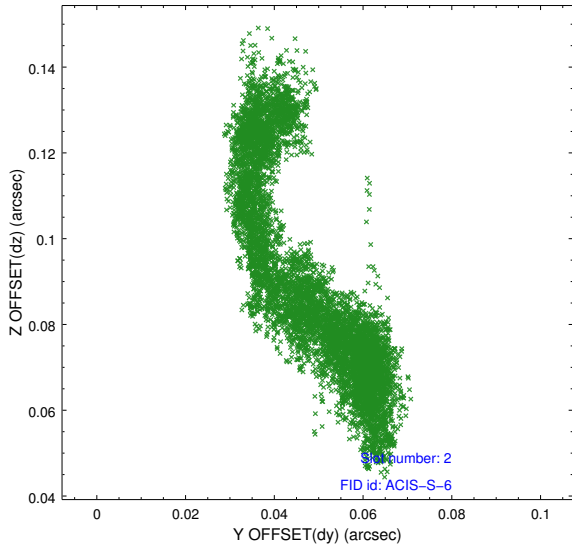
2.5.1 Slot 0



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)	2017.03.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.039500215769

A.2 Comments