

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 20850 - L2 Version 1
Chandra X-Ray Center

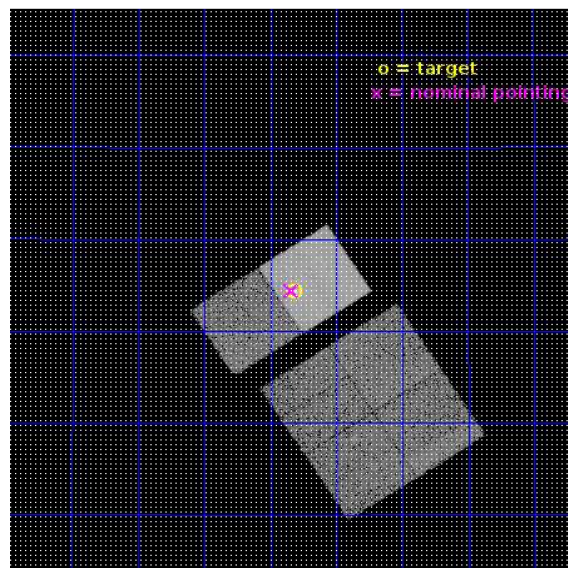
L2 Processing Date : Nov 25 2017

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1 Front

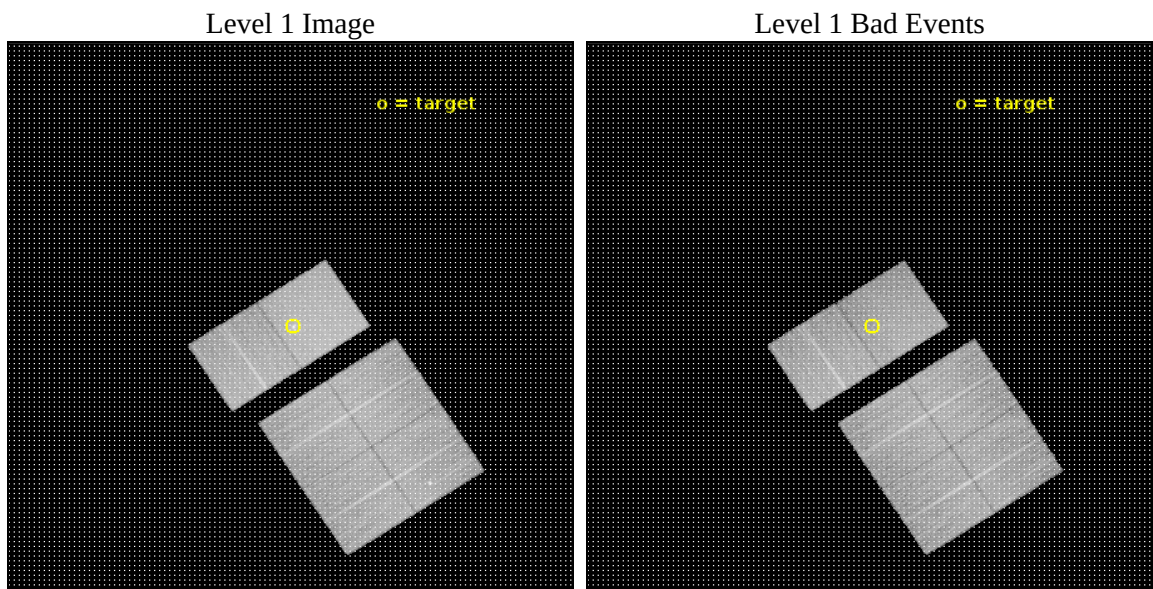
seq_num	801674	Sequence number
obs_id	20850	Observation id
title	The Unusually High Concentration of the Fossil Group NGC 6482	Prop
observer	David Buote	Principal investigator
object	NGC 6482	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.953333	Observer's specified target RA [deg]
dec_targ	23.071944	Observer's specified target Dec [deg]
ra_nom	267.95986724711	Nominal RA [deg]
dec_nom	23.073471958986	Nominal Dec [deg]
roll_nom	327.15407767924	Nominal Roll [deg]
revision	1	Processing version of data
ontime	19952.000297308	Sum of GTIs [s]
livetime	19699.356055891	Livetime [s]
ontime0	19952.000297308	Sum of GTIs [s]
ontime1	19952.000297308	Sum of GTIs [s]
ontime2	19952.000297308	Sum of GTIs [s]
ontime3	19948.759326935	Sum of GTIs [s]
ontime6	19952.000297308	Sum of GTIs [s]
ontime7	19952.000297308	Sum of GTIs [s]
l2events	152523	Number of level 2 events



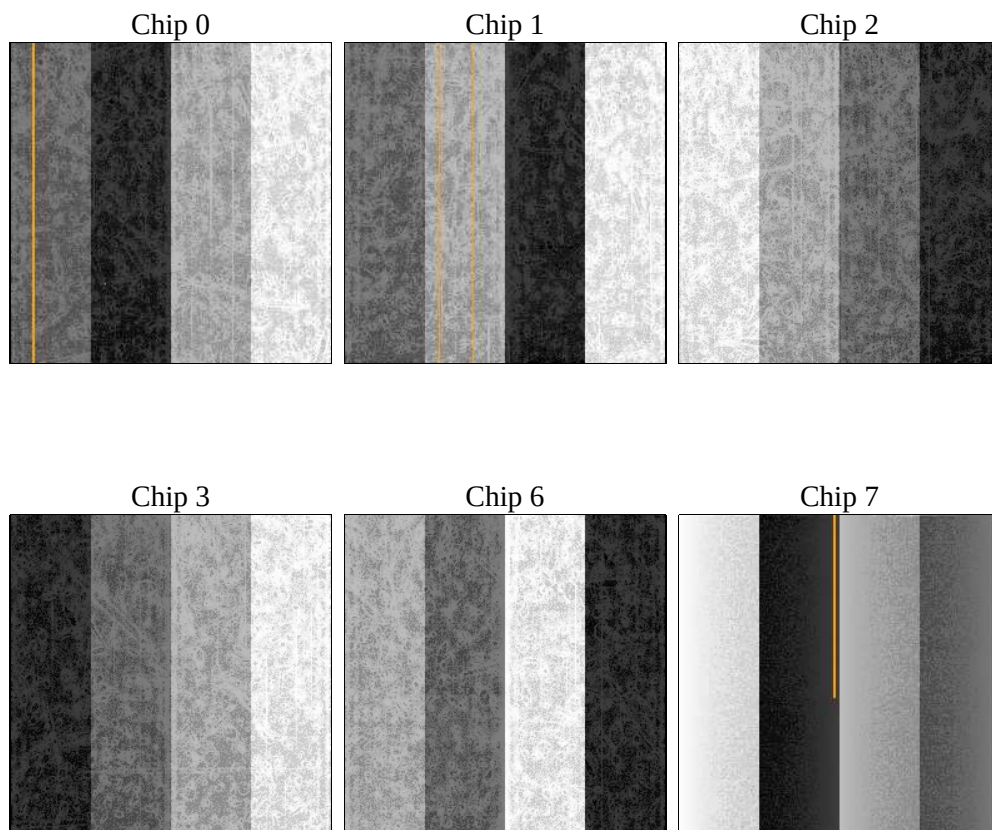
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	19952.000297308	Sum of GTIs [s]
caldsver	4.7.6	 	ontime0	19952.000297308	Sum of GTIs [s]
date	2017-11-25T13:56:21	Date and time of file creation	ontime1	19952.000297308	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	19952.000297308	Sum of GTIs [s]
			ontime3	19948.759326935	Sum of GTIs [s]
			ontime6	19952.000297308	Sum of GTIs [s]
			ontime7	19952.000297308	Sum of GTIs [s]
			l1events	889314	Number of level 1 events

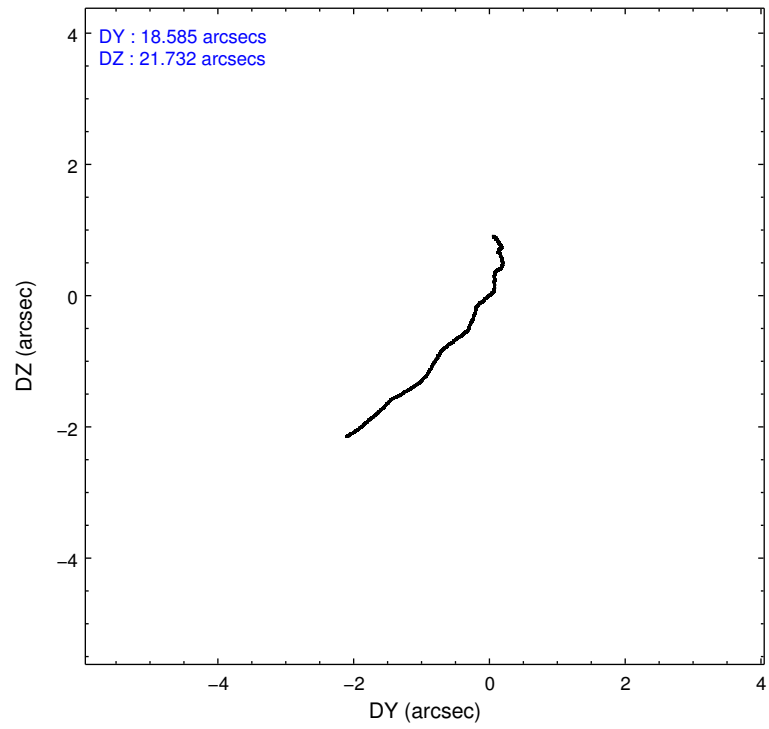
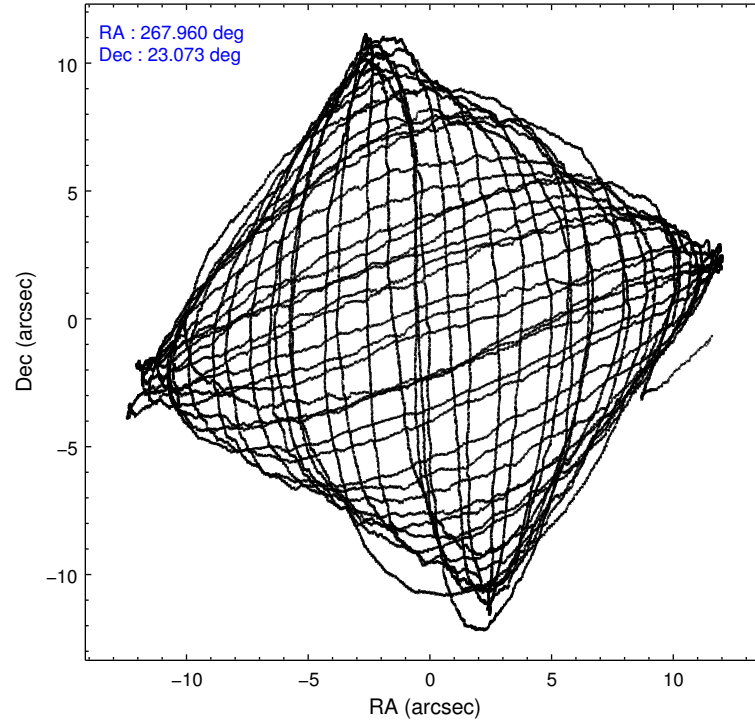
2.1.4 Events

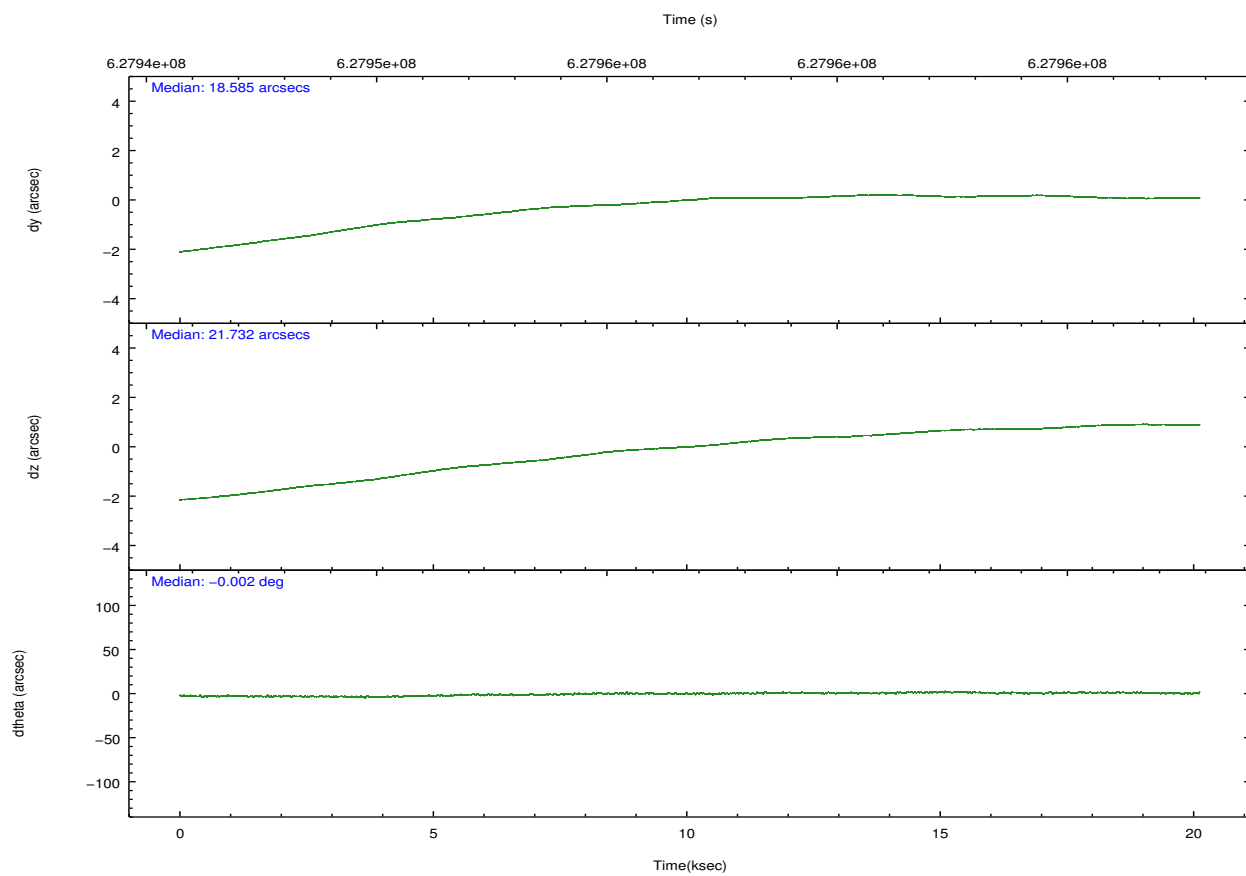
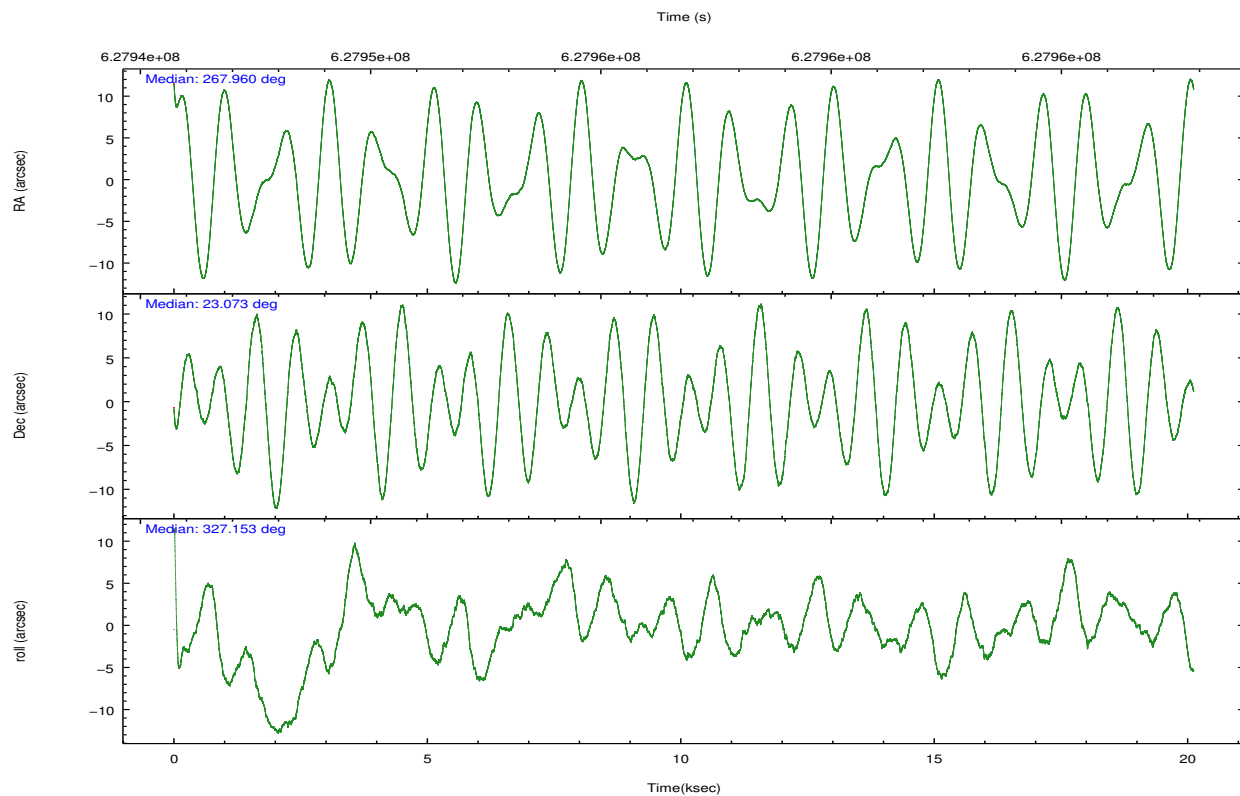
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	136028	135178	142638	141582	144459	189429	grade 0 events	5704	7330	5596	5698	5712	8184
rejected events	119194	116092	126916	126023	127585	104342		4%	5%	3%	4%	3%	4%
rejected %	87%	85%	88%	89%	88%	55%	grade 1 events	87	74	98	74	72	254
								0%	0%	0%	0%	0%	0%
							grade 2 events	4418	4547	3909	3412	4020	18412
								3%	3%	2%	2%	2%	9%
							grade 3 events	1693	1677	1564	1648	1659	7187
								1%	1%	1%	1%	1%	3%
							grade 4 events	1547	1671	1628	1587	1642	7020
								1%	1%	1%	1%	1%	3%
							grade 5 events	6410	6470	5732	6958	6998	18984
								4%	4%	4%	4%	4%	10%
							grade 6 events	3477	3866	3027	3221	3846	44316
								2%	2%	2%	2%	2%	23%
							grade 7 events	112692	109543	121084	118984	120510	85072
								82%	81%	84%	84%	83%	44%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	O2	Y
Observation mode	POINTING	POINTING	CCD I1 on	O1	Y
[deg] Pointing RA	267.930029	267.9598672471104	CCD I2 on	Y	Y
[deg] Pointing Dec	23.074461	23.07347195898558	CCD I3 on	Y	Y
[deg] Pointing Roll	327.009128	327.1540776792379	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	Y	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	N	N
[s] Observation start time (MET)	627946874.184000	627945515.2011499	CCD S5 on	N	N
Observation start date	2017-11-24T21:40:05	2017-11-24T21:18:35	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	627966874.184000	627967792.55246	On-chip summing requested	N	N
Observation end date	2017-11-25T03:13:25	2017-11-25T03:29:52	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



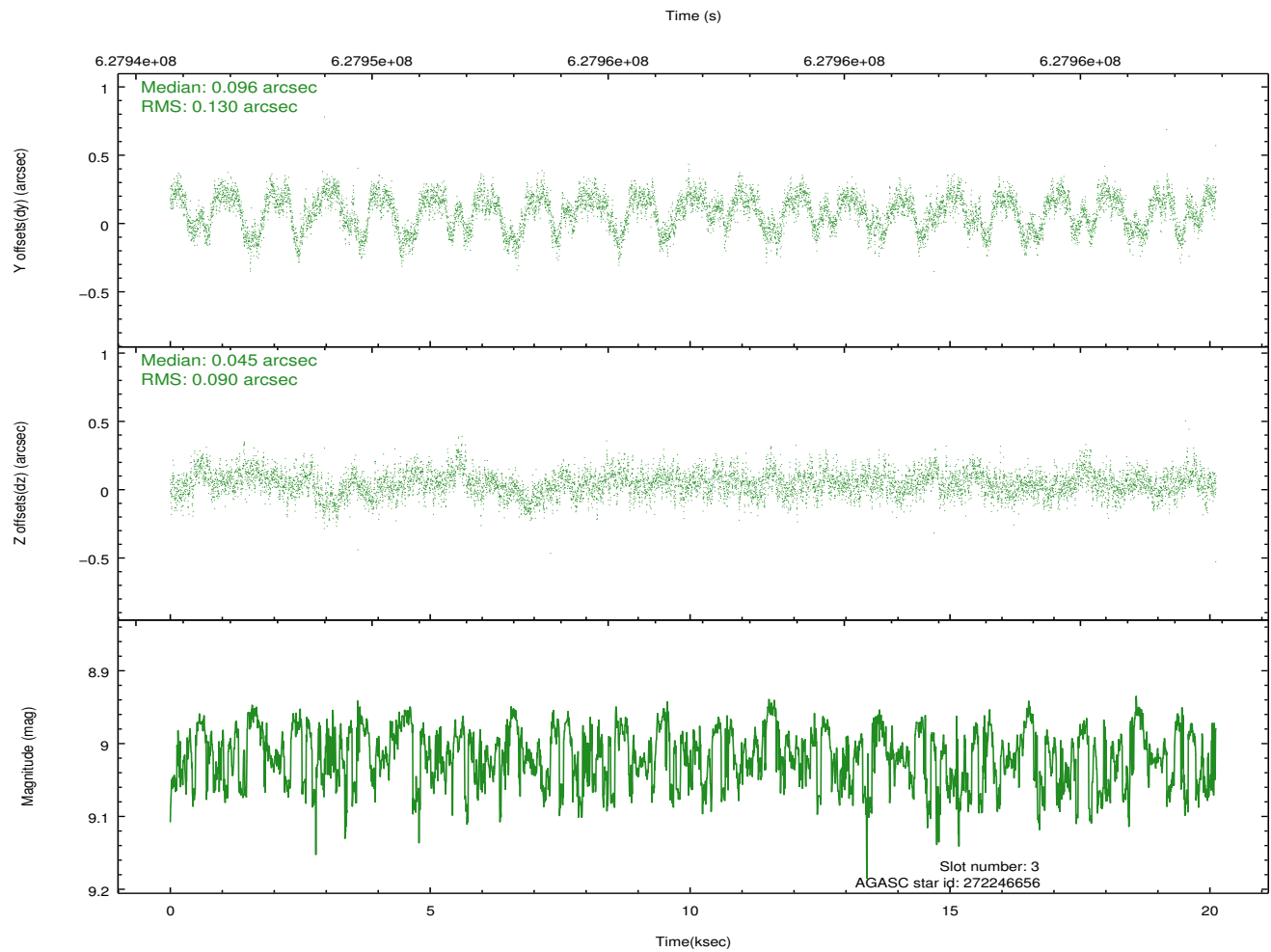
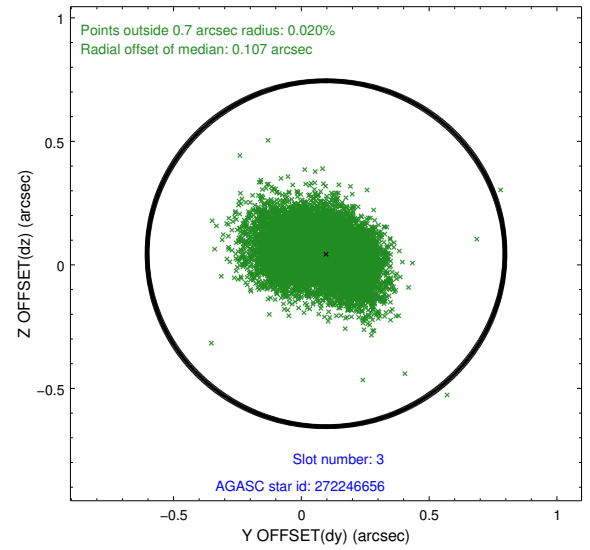
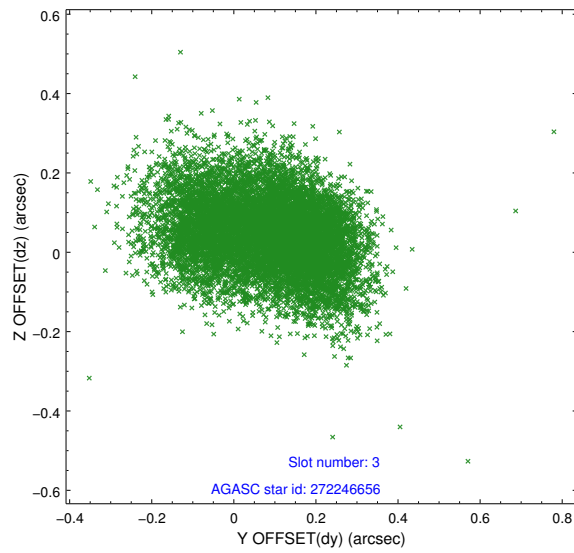


Slot Statistics

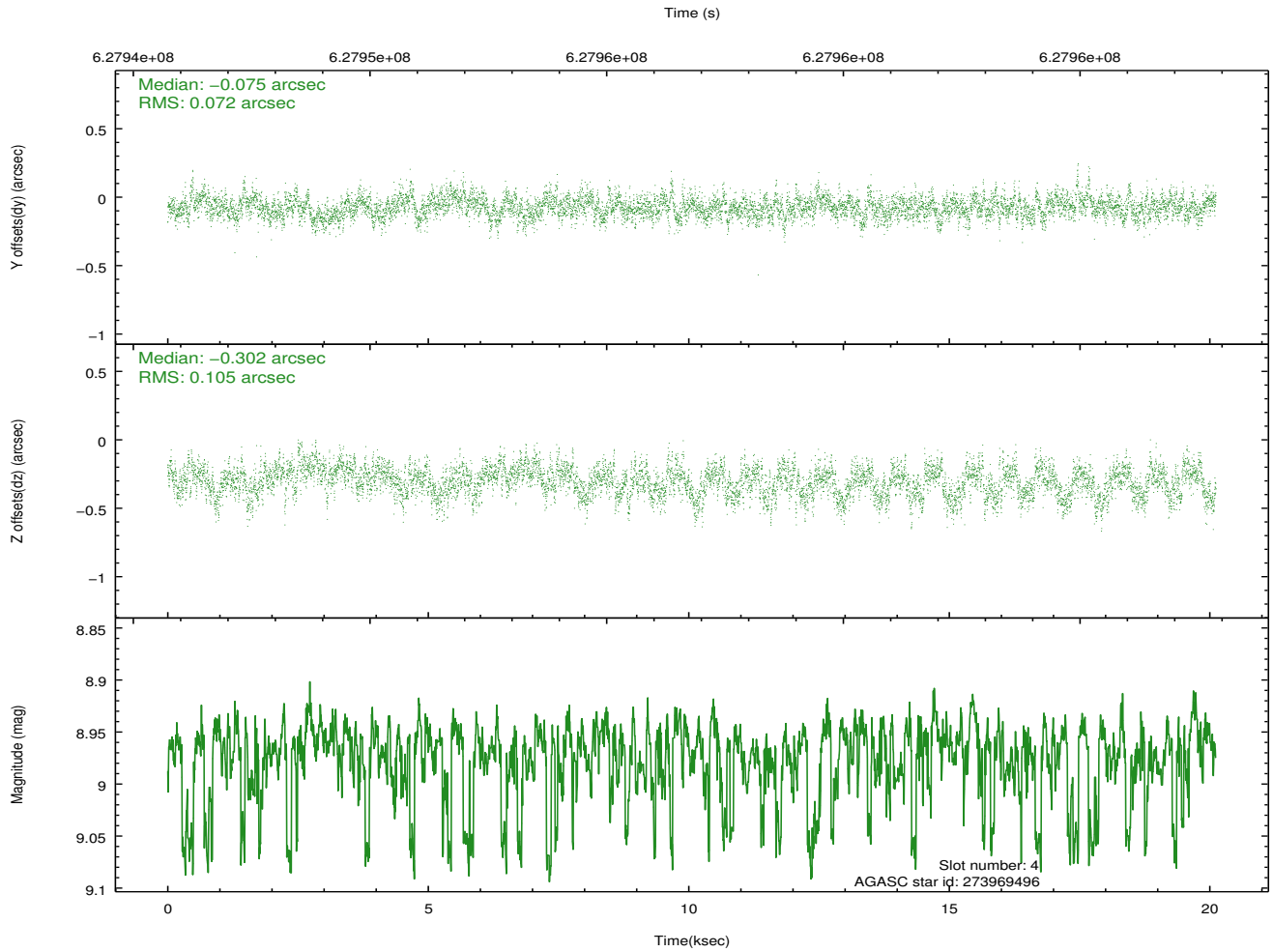
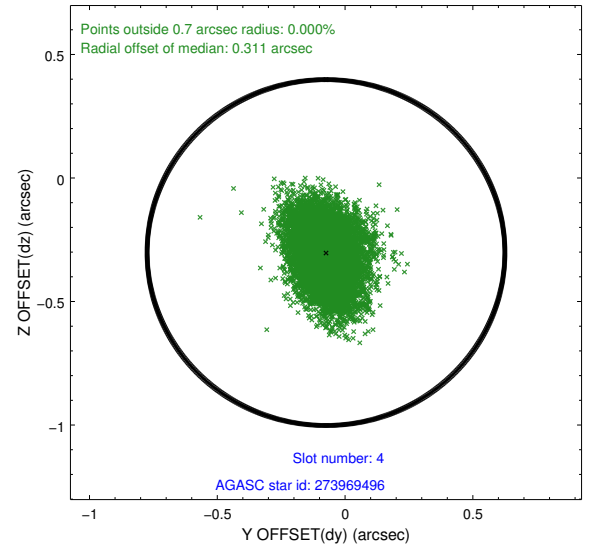
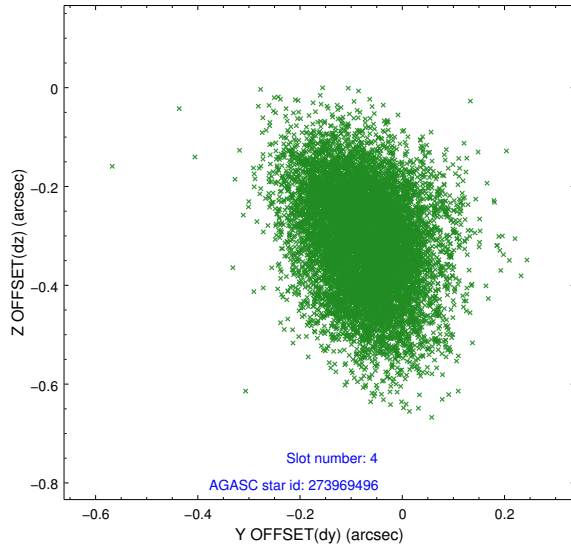
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.03	4908	-0.312	-0.214	0.016	0.059	0.000000	0.000000	-771.62	-1743.19
1	FID		ACIS-S-4	7.13	4908	0.337	0.176	0.011	0.019	0.000000	0.000000	2142.27	165.38
2	FID		ACIS-S-6	7.28	4908	-0.055	0.043	0.014	0.044	0.000000	0.000000	390.92	802.91
3	GUIDE	used	272246656	9.02	9801	0.096	0.045	0.168	0.271	267.382064	23.354712	-2070.39	-136.93
4	GUIDE	used	273969496	8.97	9806	-0.075	-0.302	0.134	0.224	268.396476	22.968275	1504.61	522.71
5	GUIDE	used	273976672	8.97	9806	-0.198	0.416	0.168	0.267	267.916715	22.762899	573.83	-964.11
6	GUIDE	used	272261632	8.33	9807	0.495	0.181	0.135	0.208	267.202505	22.973470	-1827.00	-1613.09
7	GUIDE	used	273948672	8.84	9807	-0.303	-0.331	0.138	0.224	268.631849	23.232305	1634.79	1745.11

2.4 Star Slots

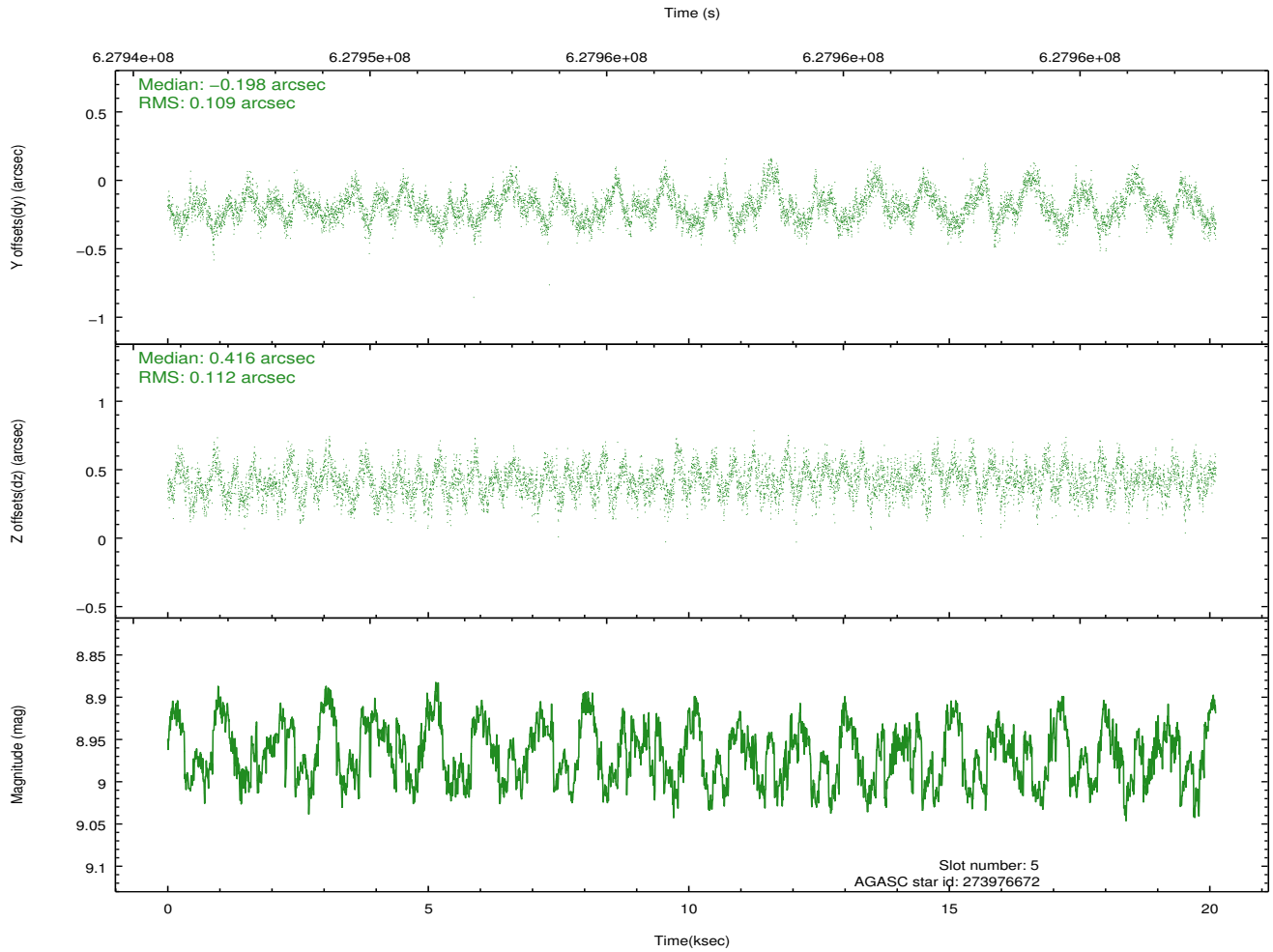
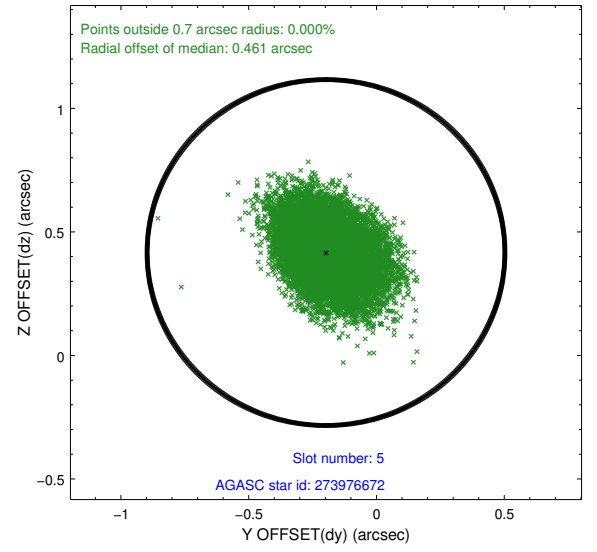
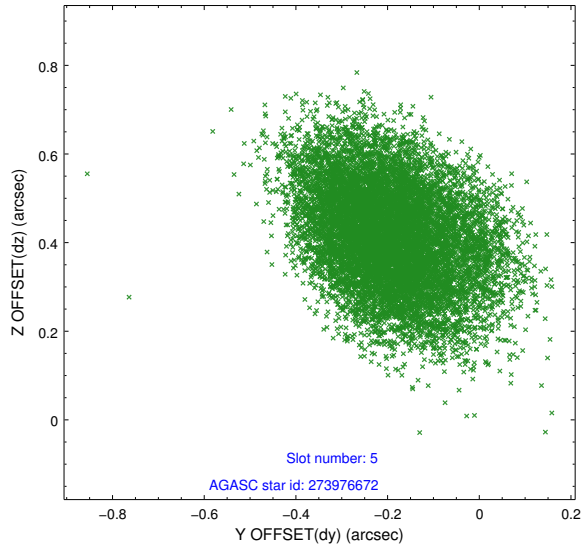
2.4.1 Slot 3



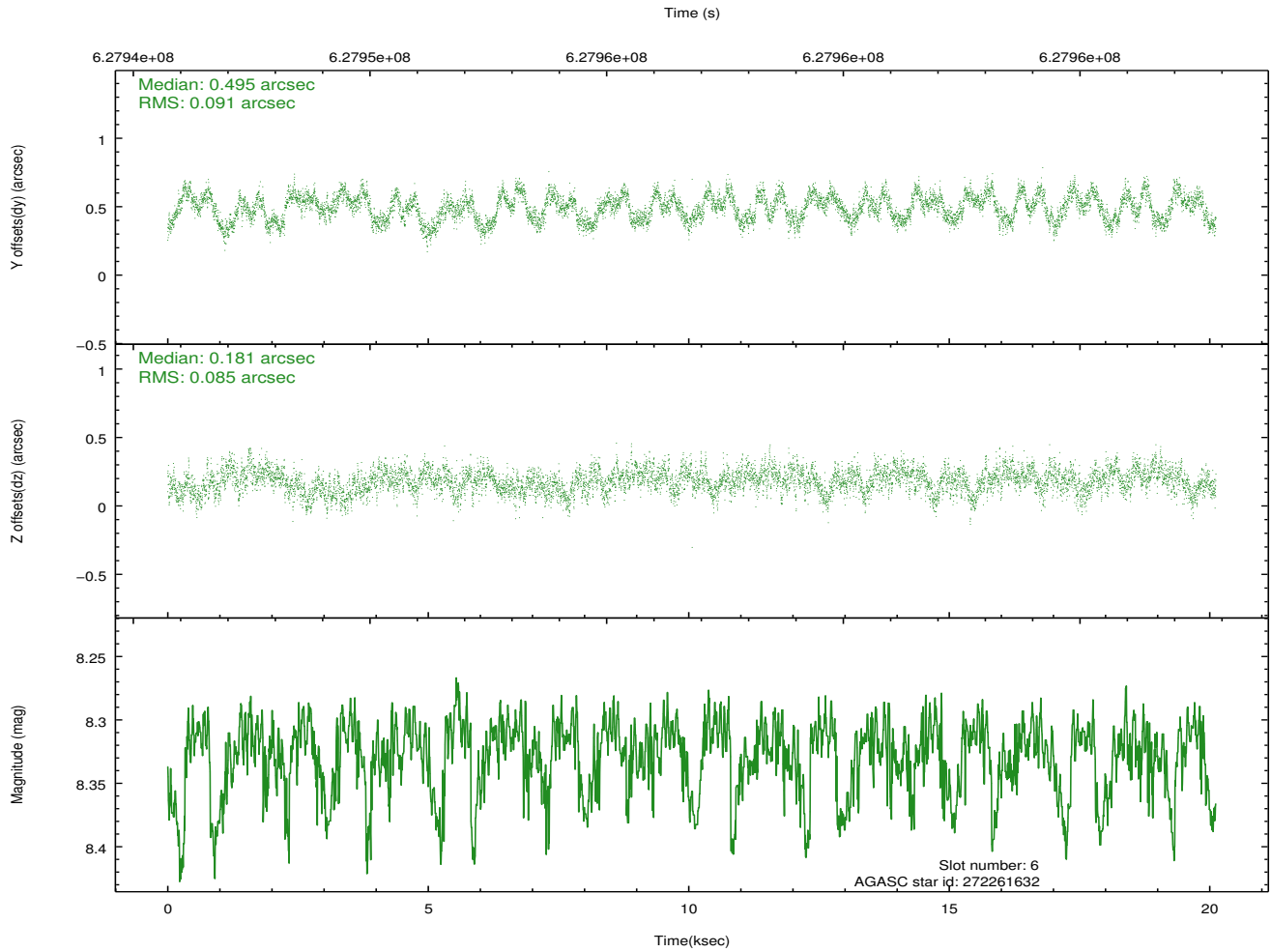
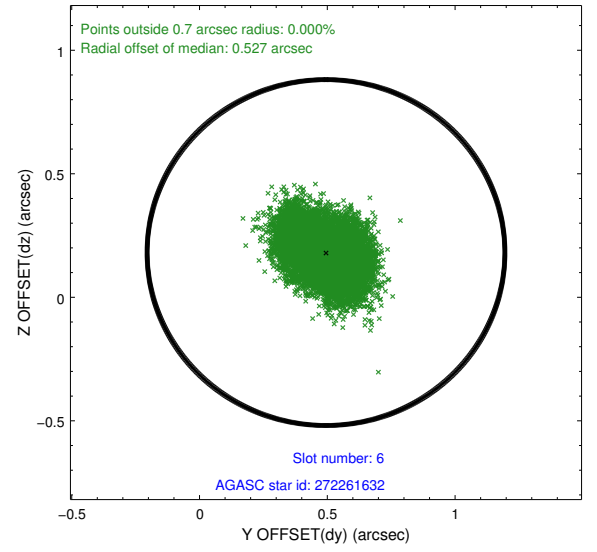
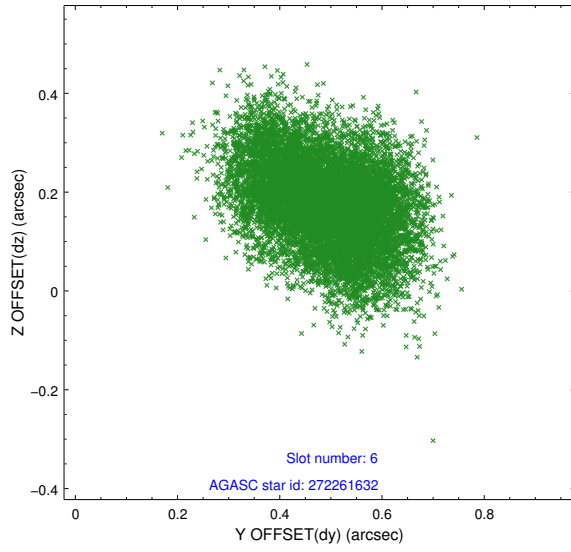
2.4.2 Slot 4



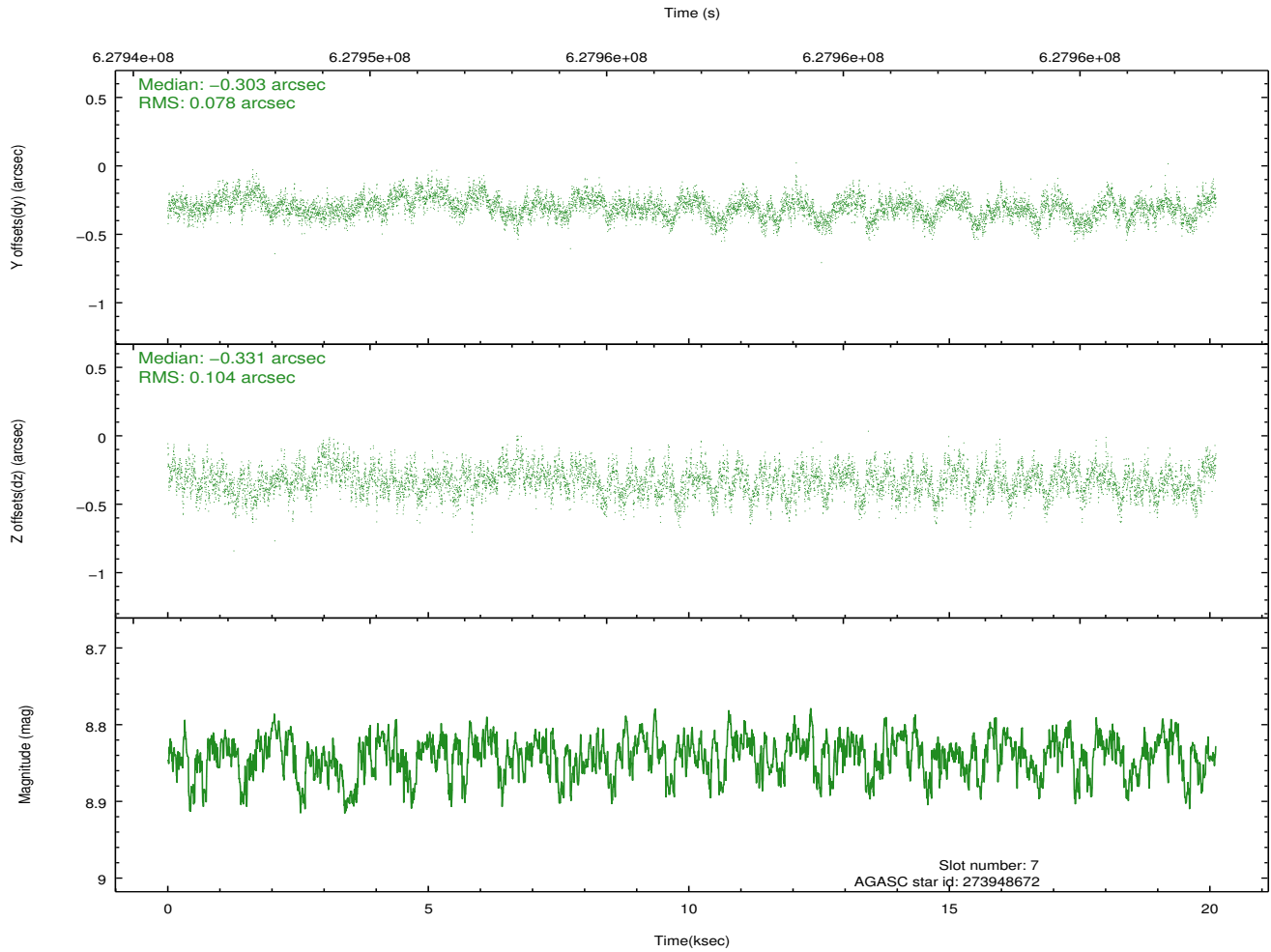
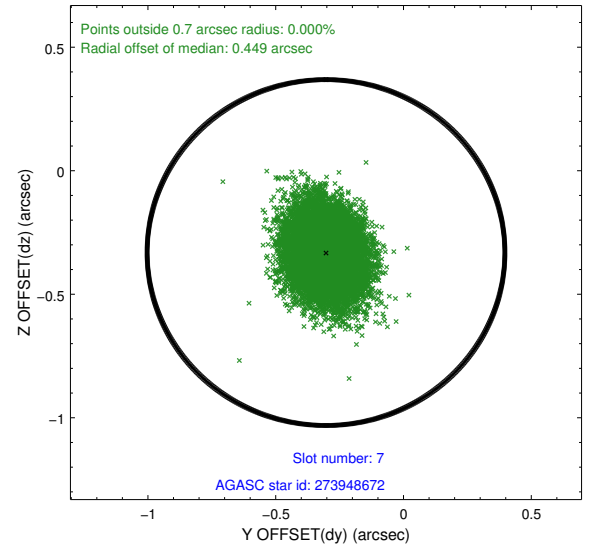
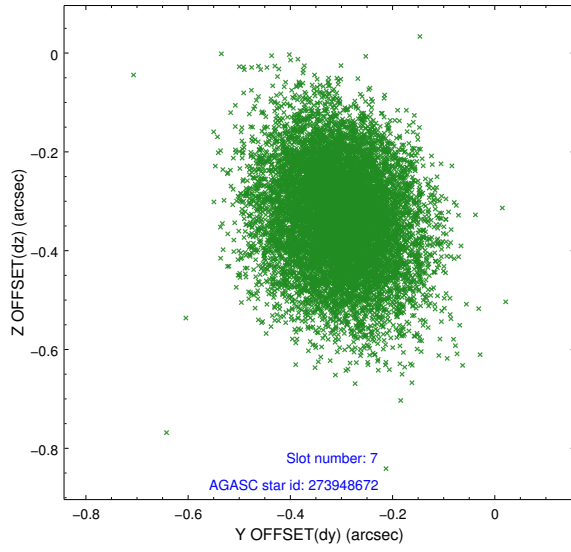
2.4.3 Slot 5



2.4.4 Slot 6

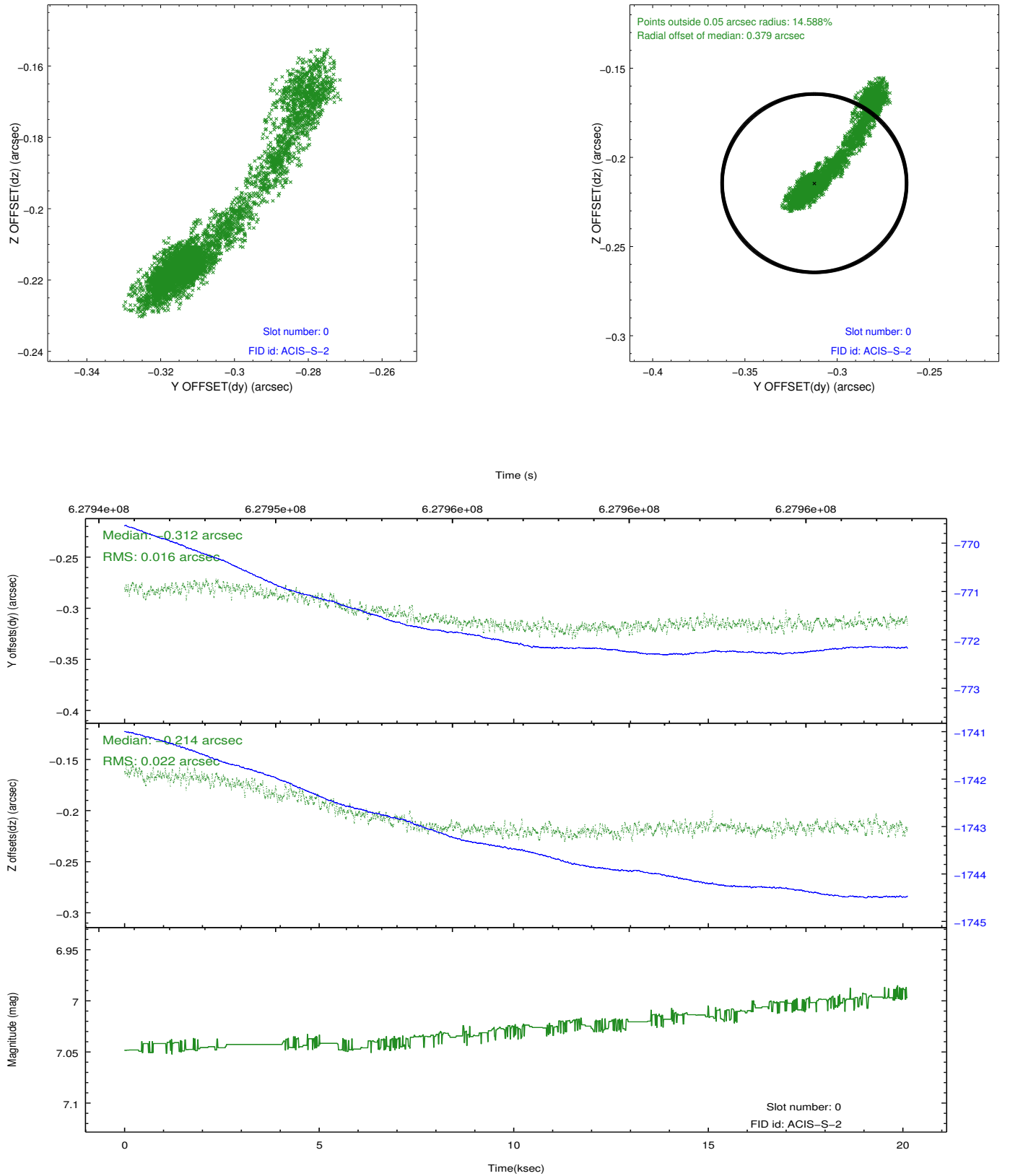


2.4.5 Slot 7

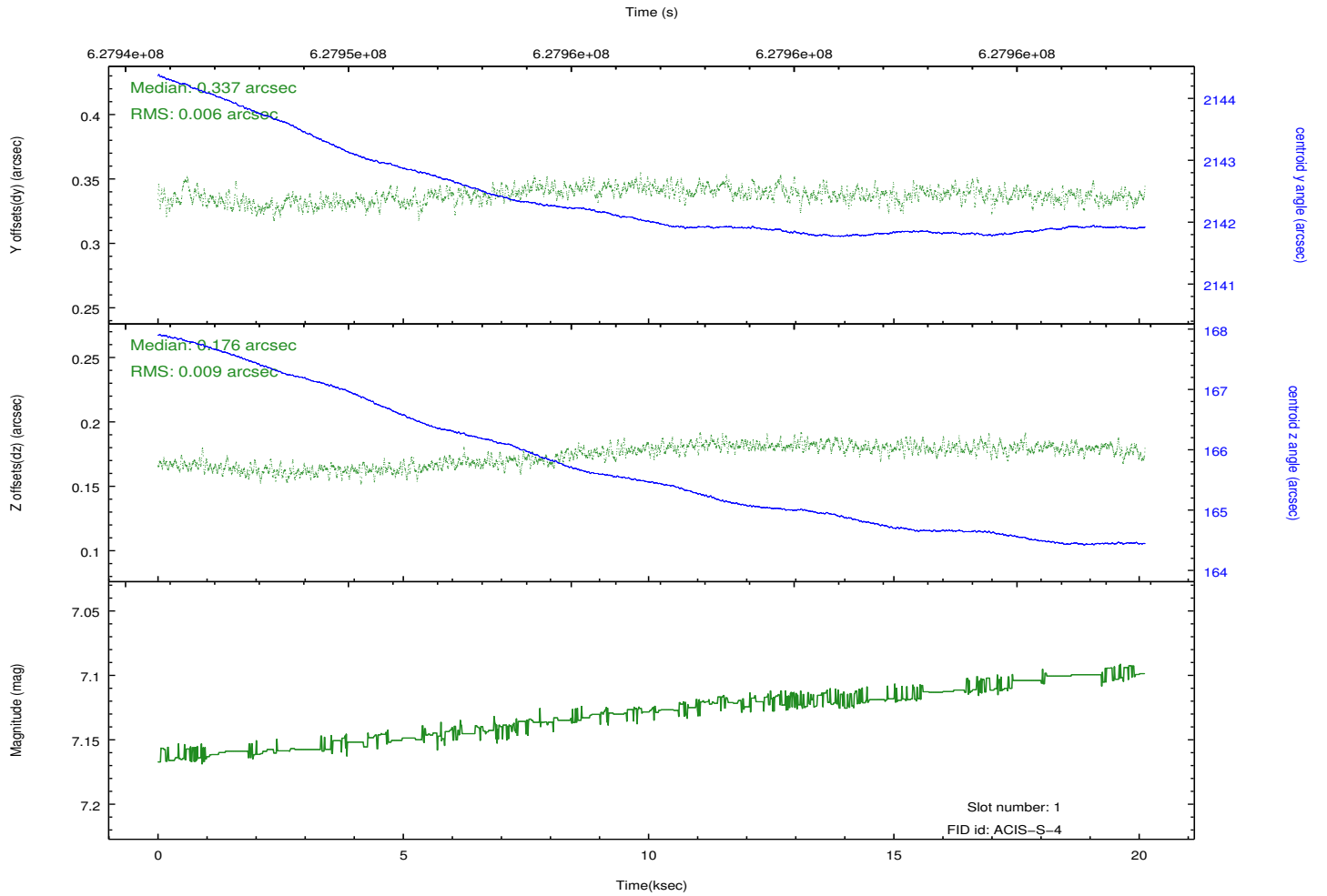
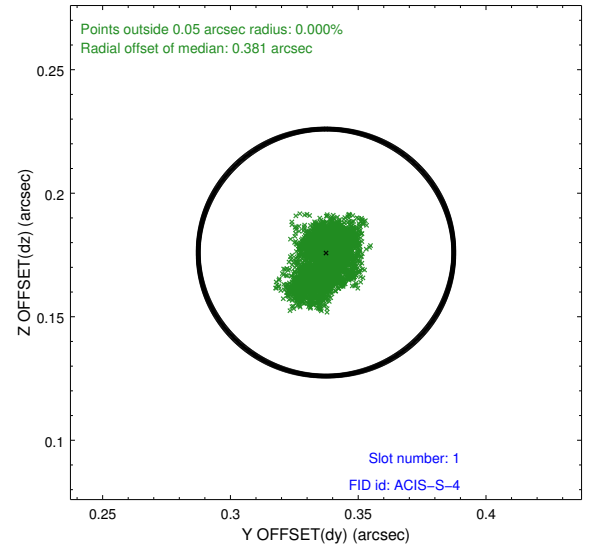
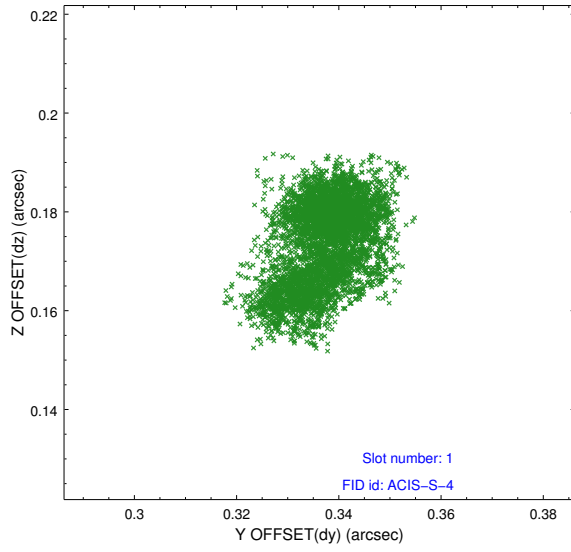


2.5 FID Slots

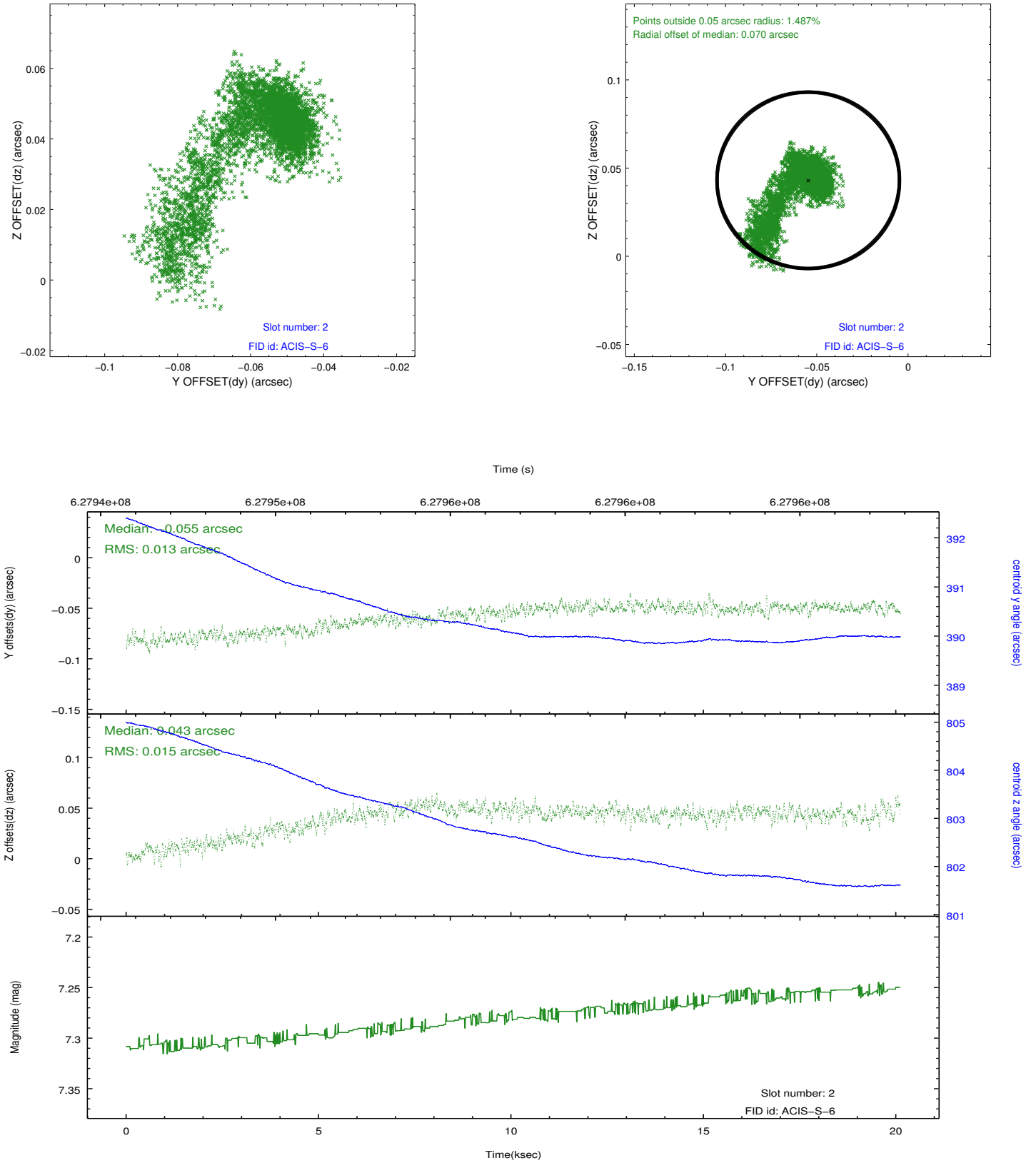
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2017.11.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.952000297308

A.2 Comments