

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 19731 - L2 Version 1
Chandra X-Ray Center

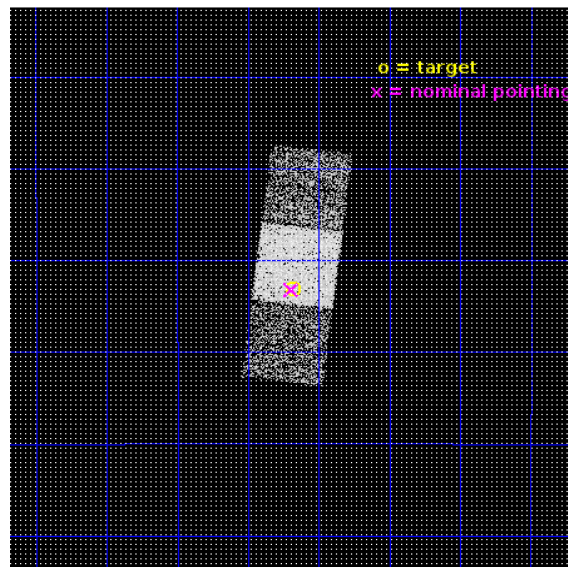
L2 Processing Date : Feb 27 2017

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1 Front

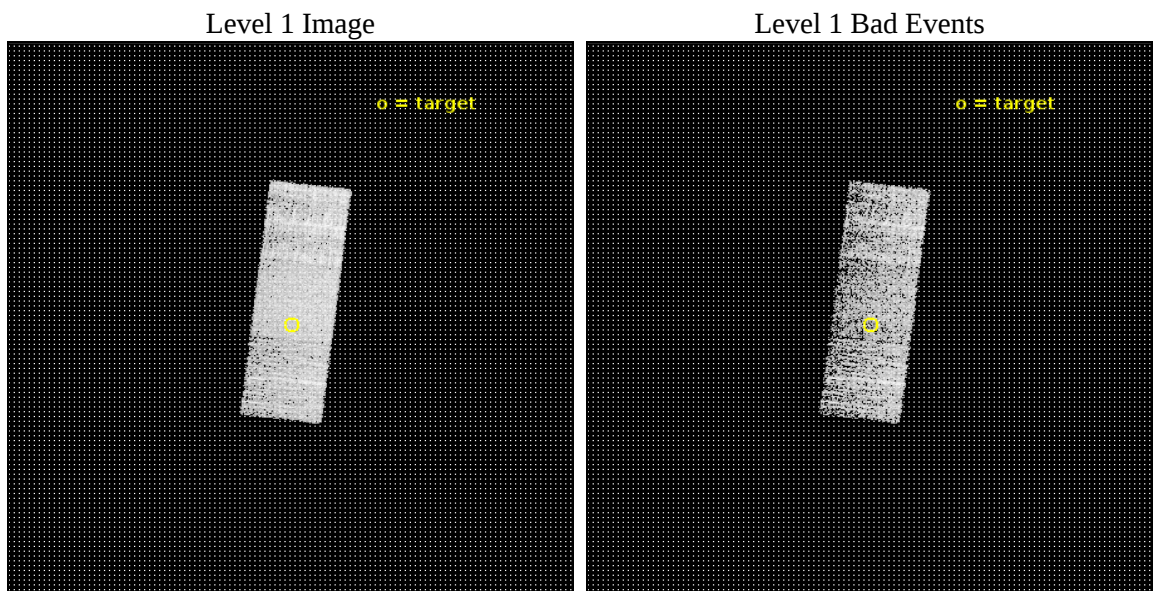
seq_num	703446	Sequence number
obs_id	19731	Observation id
title	A Chandra Snapshot Survey of Extraordinarily Luminous and Heavily Obscured Quasars from the WISE Survey	Proposal title
observer	Gordon Garmire	Principal investigator
object	W0410-0913	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	62.544167	Observer's specified target RA [deg]
dec_targ	-9.218111	Observer's specified target Dec [deg]
ra_nom	62.548333362956	Nominal RA [deg]
dec_nom	-9.2202439028397	Nominal Dec [deg]
roll_nom	277.00331851747	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3112.4000240564	Sum of GTIs [s]
livetime	3071.7342264266	Livetime [s]
ontime6	3112.4000240564	Sum of GTIs [s]
ontime7	3112.4000240564	Sum of GTIs [s]
ontime8	3112.3683071136	Sum of GTIs [s]
l2events	17213	Number of level 2 events



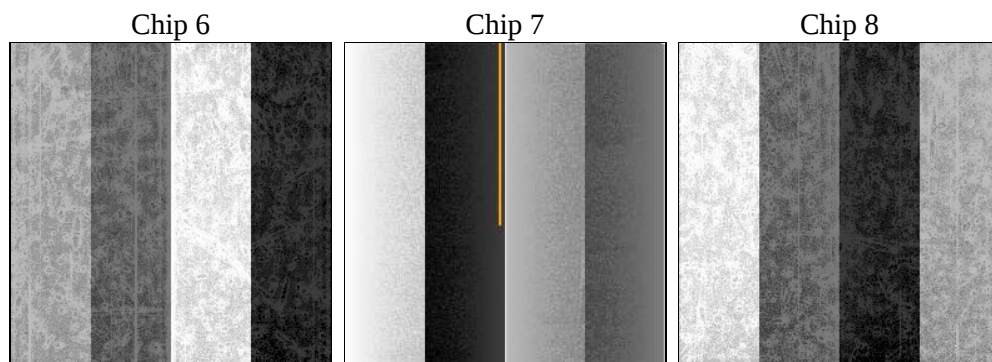
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.2	Processing system revision	ontime	3112.4000240564	Sum of GTIs [s]
caldsver	4.7.3	 	ontime6	3112.4000240564	Sum of GTIs [s]
date	2017-02-28T02:51:39	Date and time of file creation	ontime7	3112.4000240564	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	3112.3683071136	Sum of GTIs [s]
			l1events	82684	Number of level 1 events

2.1.4 Events

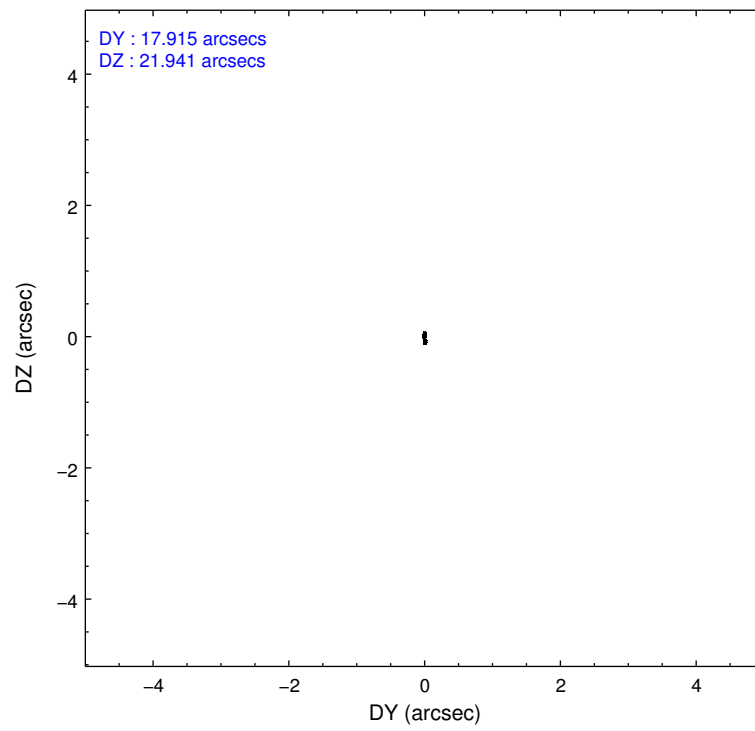
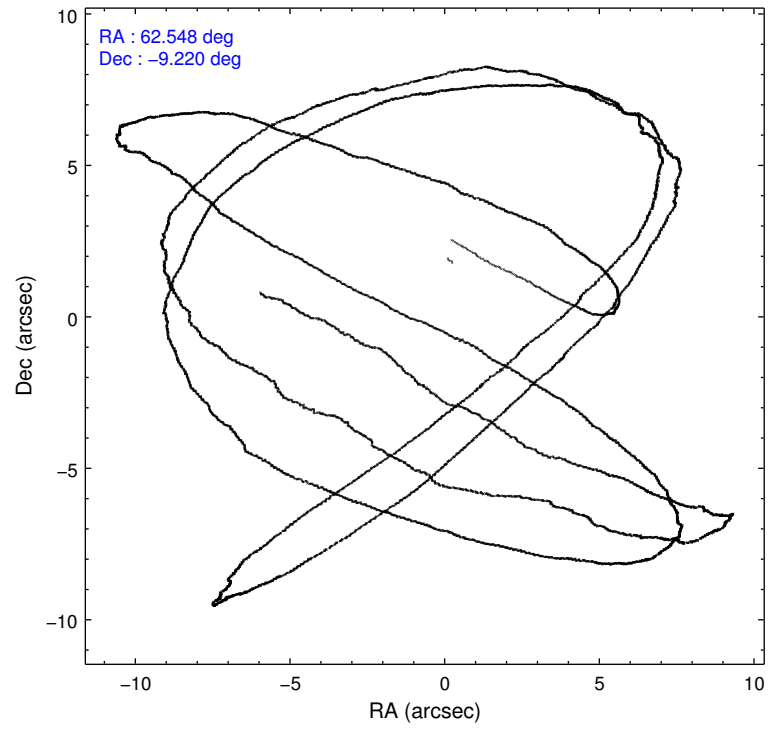
	ccd 6	ccd 7	ccd 8
level 1 events	22783	28544	31357
rejected events	20314	15797	22335
rejected %	89%	55%	71%

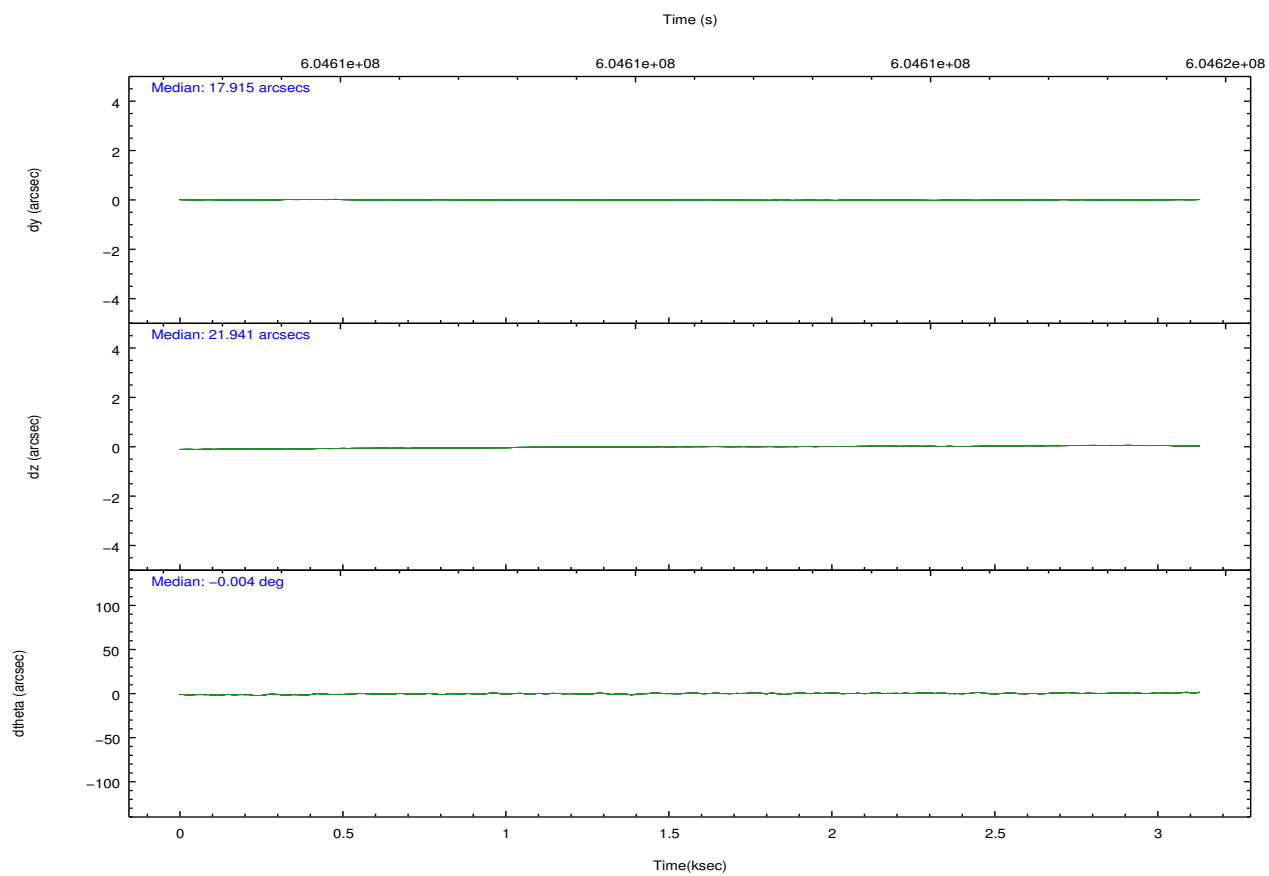
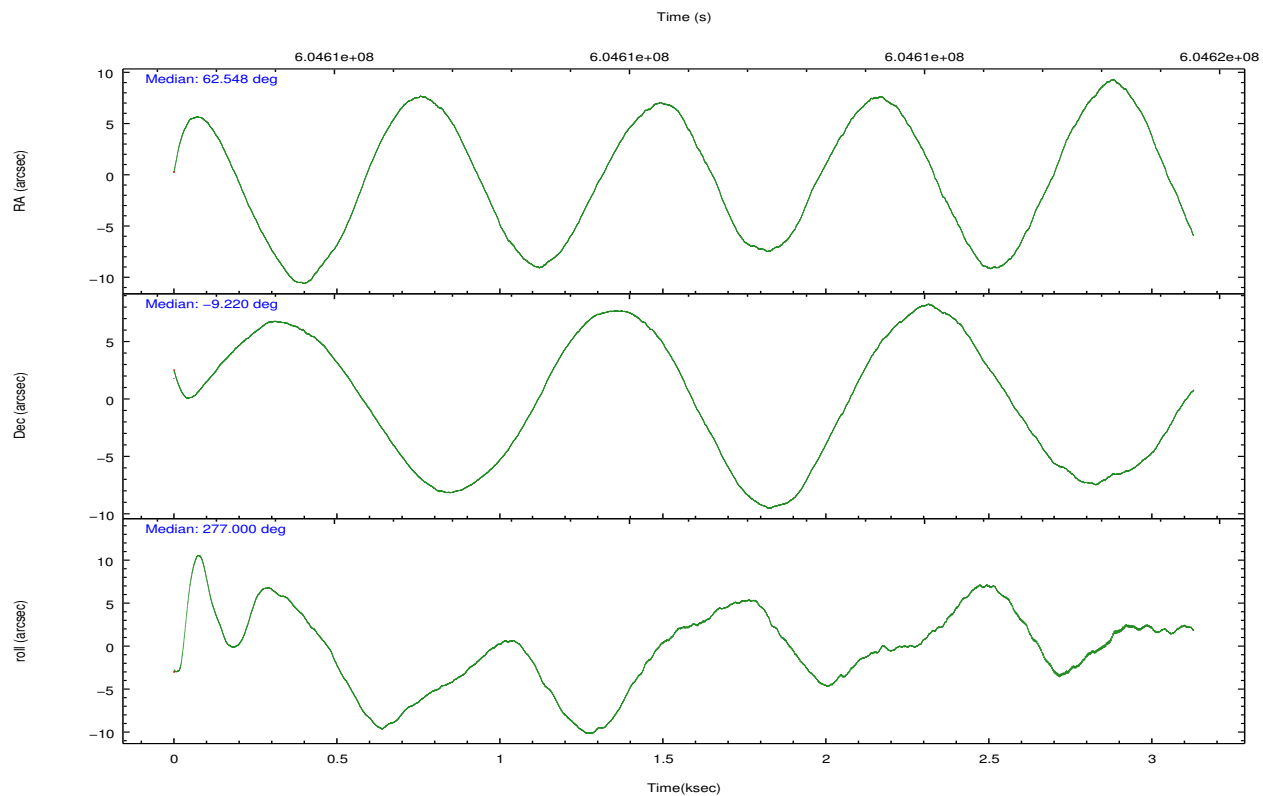
	ccd 6	ccd 7	ccd 8
grade 0 events	844	1172	2372
	3%	4%	7%
grade 1 events	12	49	26
	0%	0%	0%
grade 2 events	590	2692	2273
	2%	9%	7%
grade 3 events	234	1029	919
	1%	3%	2%
grade 4 events	285	1012	793
	1%	3%	2%
grade 5 events	1069	2991	1568
	4%	10%	5%
grade 6 events	521	6854	2682
	2%	24%	8%
grade 7 events	19228	12745	20724
	84%	44%	66%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	62.531200	62.54833336295567	Subarray requested	NONE	NONE
[deg] Pointing Dec	-9.198589	-9.220243902839709	Alternating exposures requested	N	N
[deg] Pointing Roll	276.844046	277.0033185174701	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	604611765.184000	604610495.55264			
Observation start date	2017-02-27T19:41:36	2017-02-27T19:21:35			
[s] Observation end time (MET)	604614765.184000	604616069.50296			
Observation end date	2017-02-27T20:31:36	2017-02-27T20:54:29			
Read mode	TIMED	TIMED			

2.3 Aspect



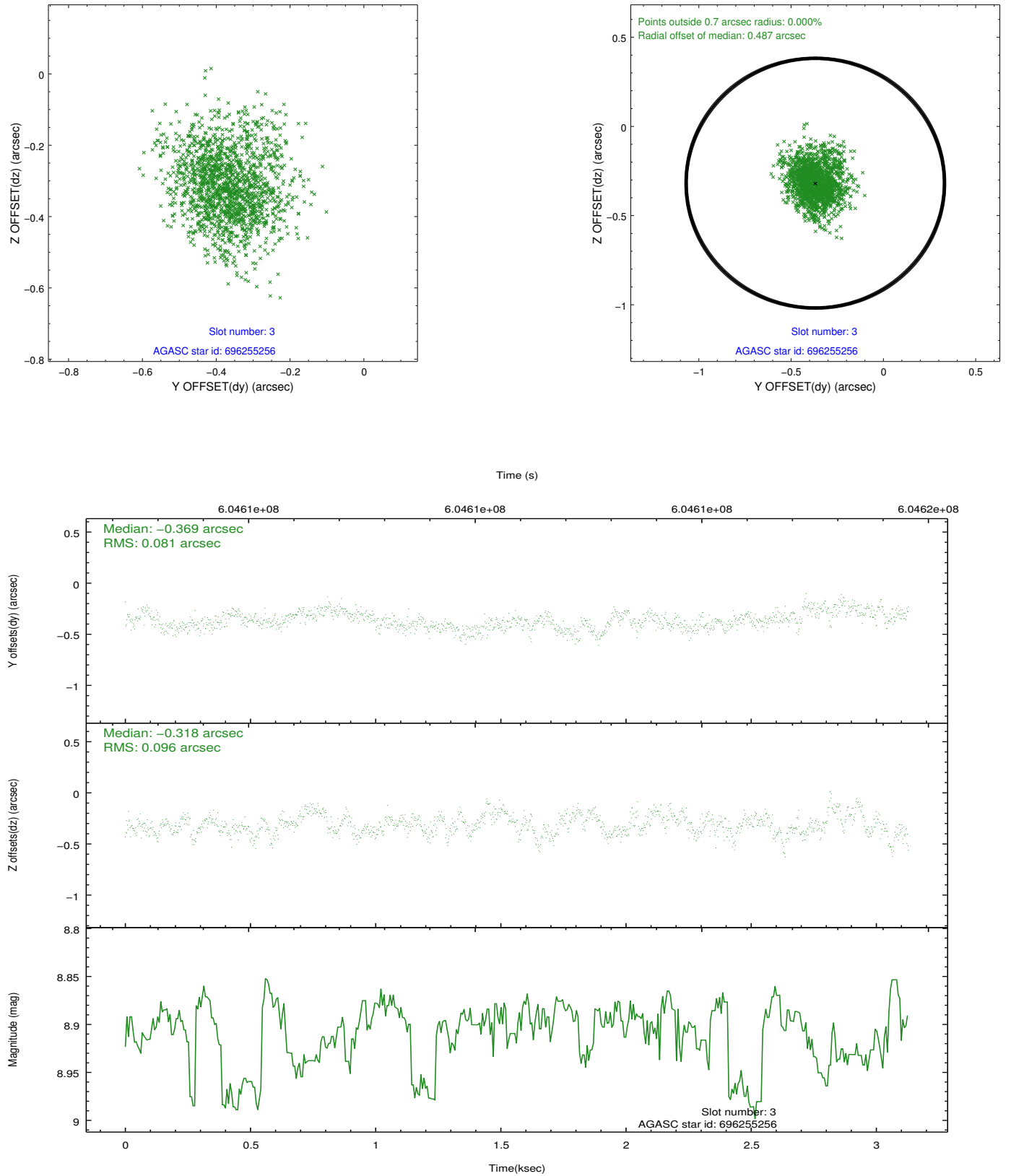


Slot Statistics

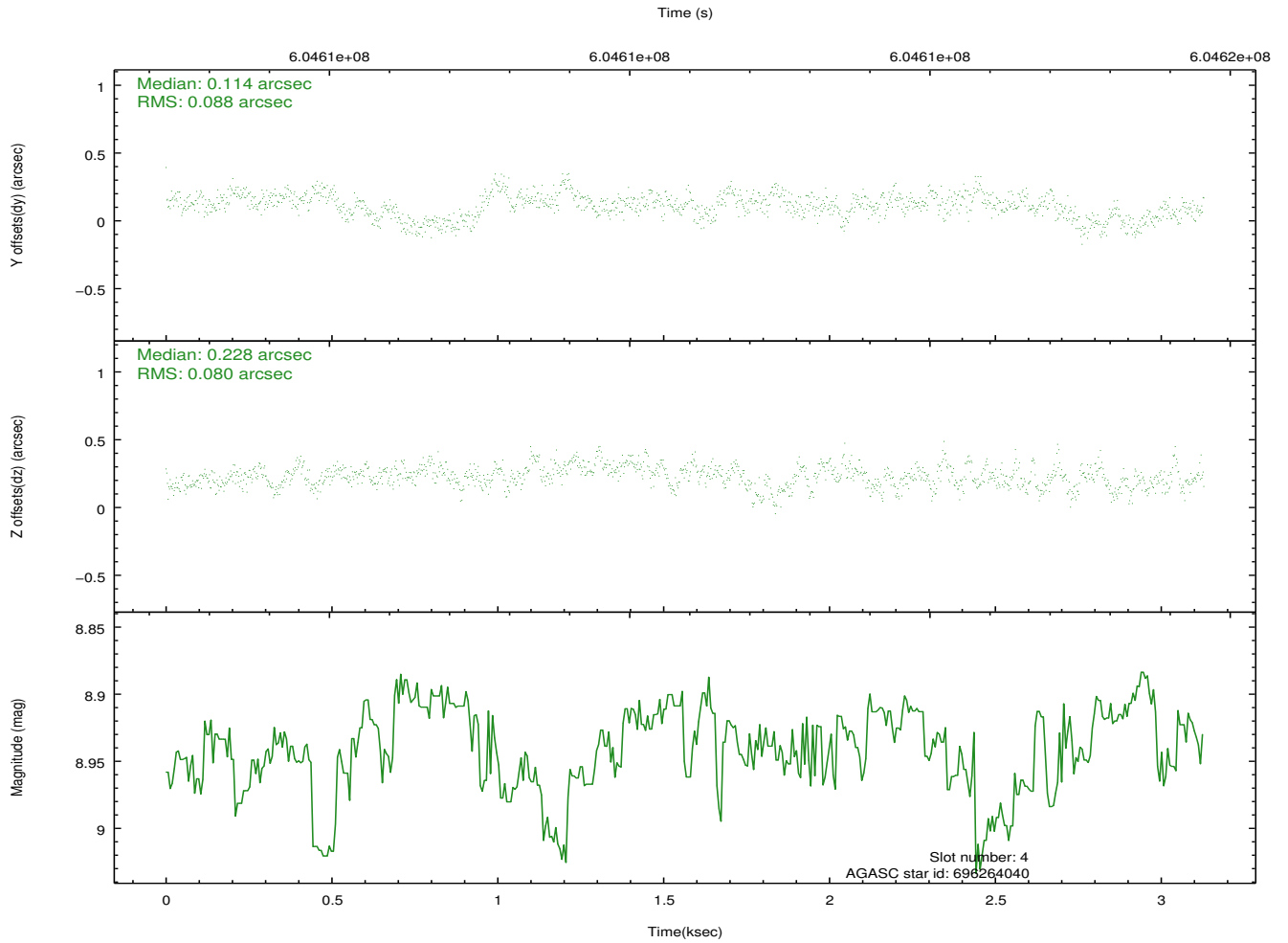
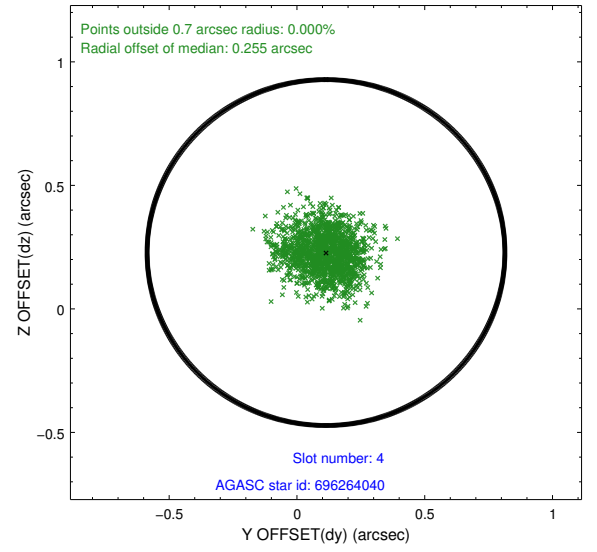
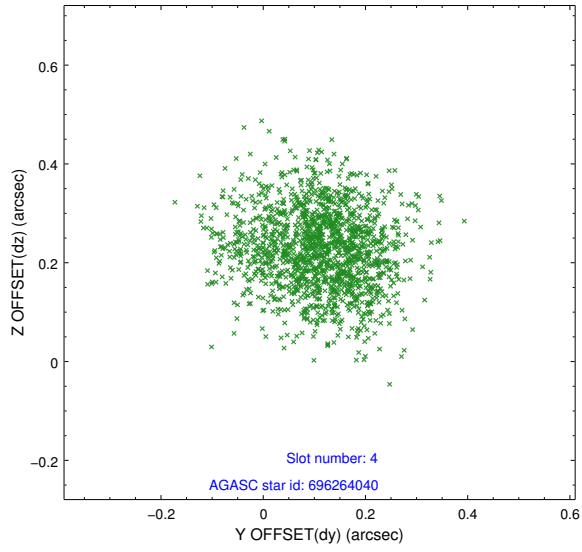
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.00	764	-0.172	-0.109	0.006	0.011	0.000000	0.000000	-771.13	-1743.60
1	FID		ACIS-S-4	7.10	764	0.407	0.112	0.006	0.010	0.000000	0.000000	2141.78	162.98
2	FID		ACIS-S-5	7.10	764	-0.265	0.005	0.006	0.012	0.000000	0.000000	-1821.47	158.86
3	GUIDE	used	696255256	8.91	1527	-0.369	-0.318	0.135	0.218	62.601577	-9.338481	530.15	187.71
4	GUIDE	used	696264040	8.94	1527	0.114	0.228	0.126	0.205	62.474492	-9.685537	1717.74	-408.47
5	GUIDE	used	696268976	8.86	1527	0.126	-0.185	0.126	0.209	62.353899	-9.450315	826.46	-733.39
6	GUIDE	used	696269080	9.54	1524	0.002	0.194	0.148	0.242	62.391654	-8.635815	-2068.40	-251.42
7	GUIDE	used	696272320	9.42	1522	0.123	0.070	0.179	0.288	62.097437	-8.995831	-908.08	-1444.84

2.4 Star Slots

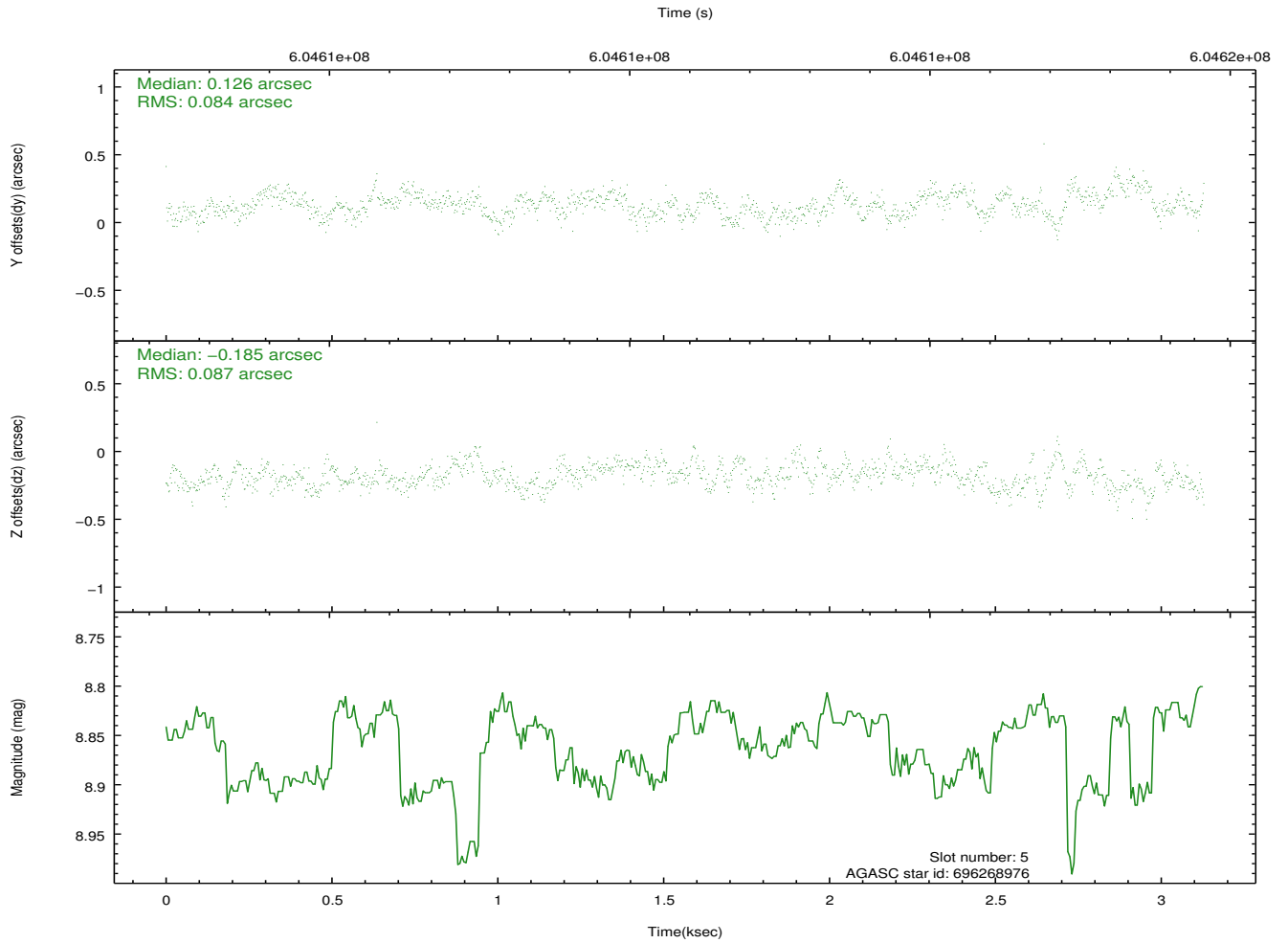
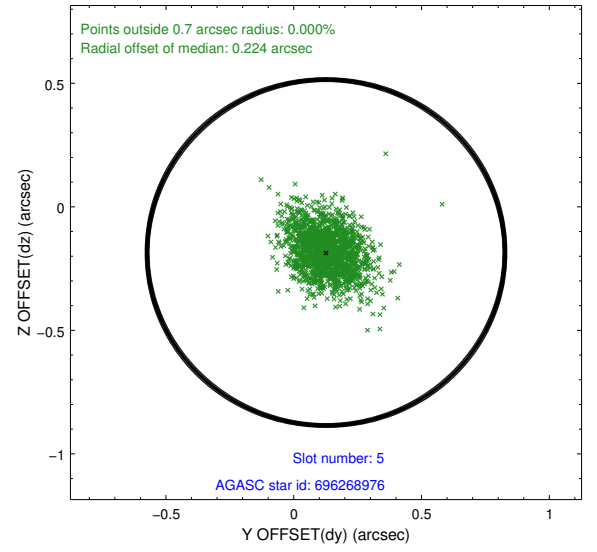
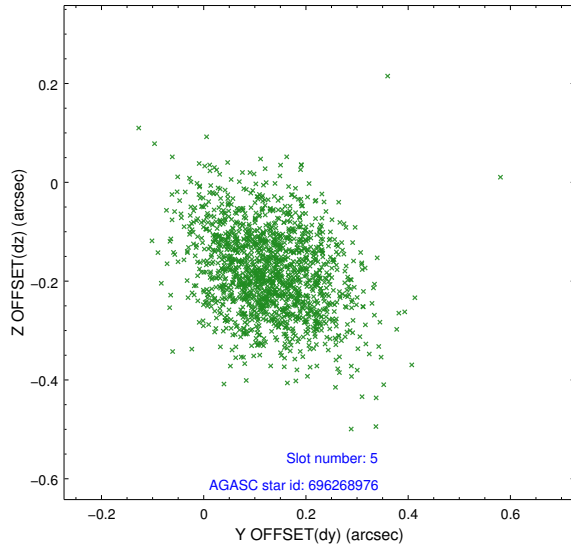
2.4.1 Slot 3



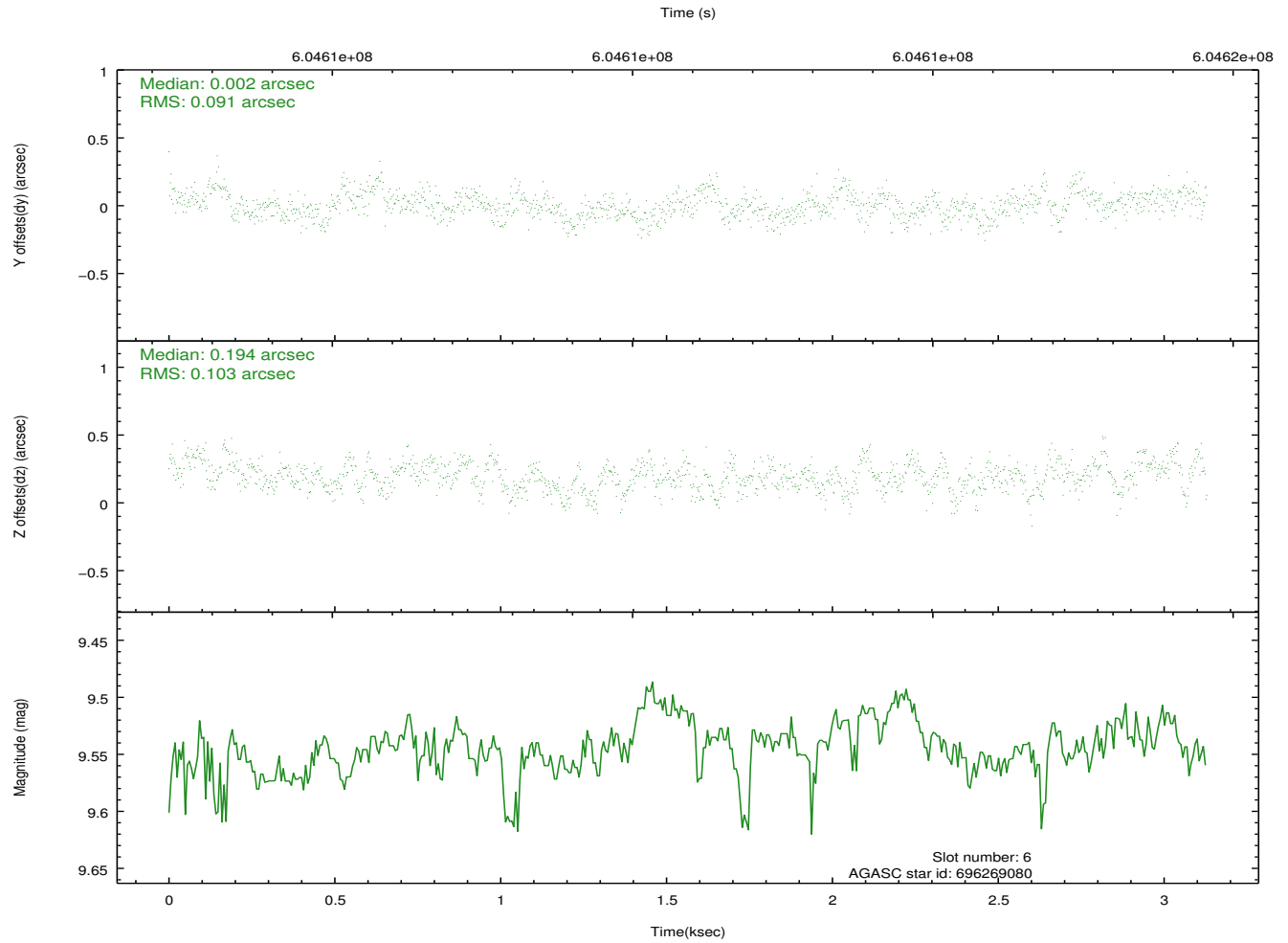
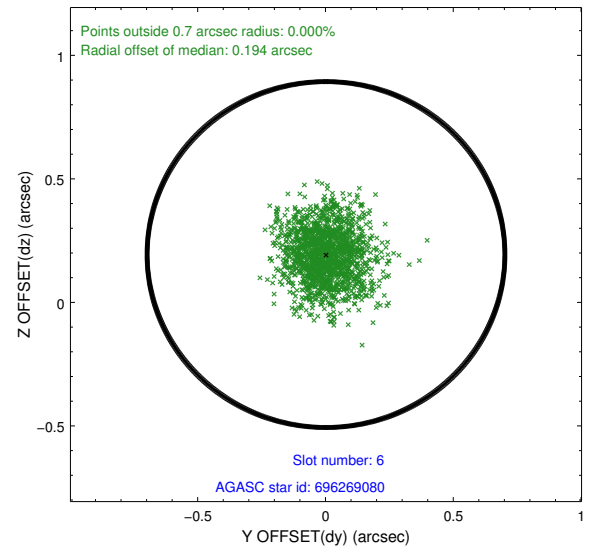
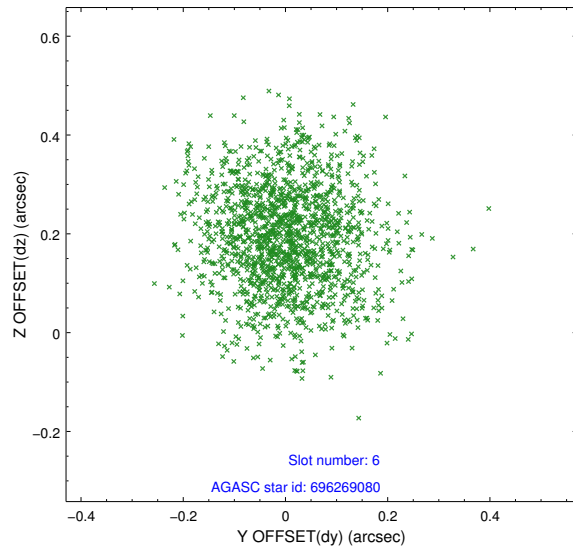
2.4.2 Slot 4



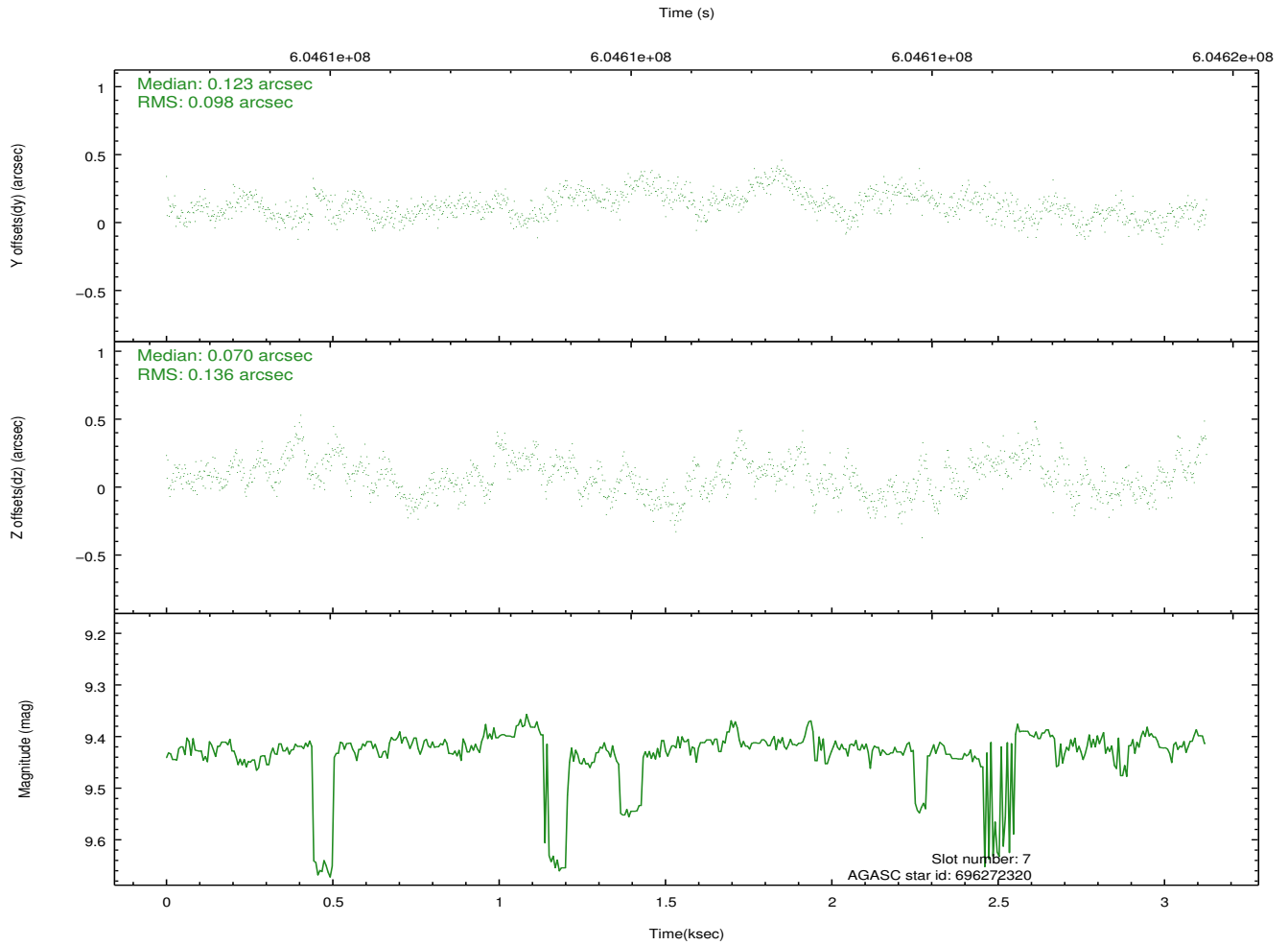
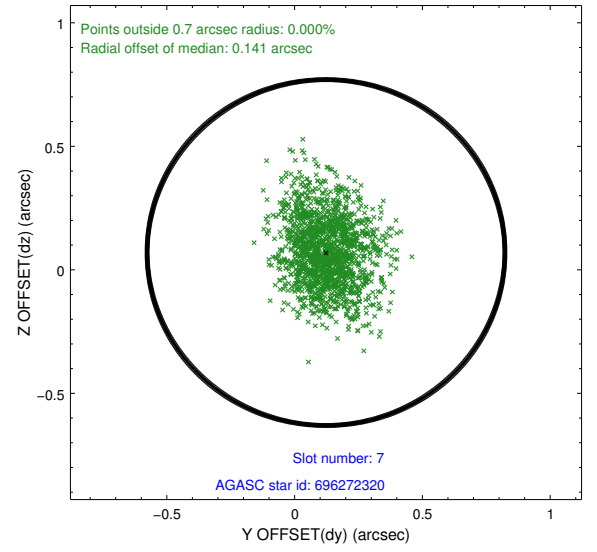
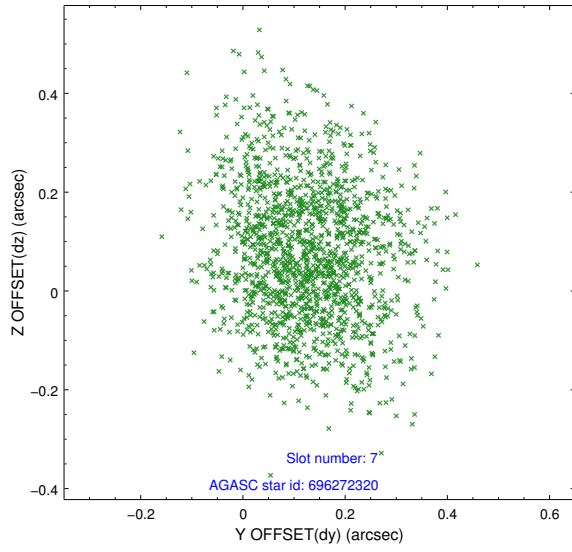
2.4.3 Slot 5



2.4.4 Slot 6

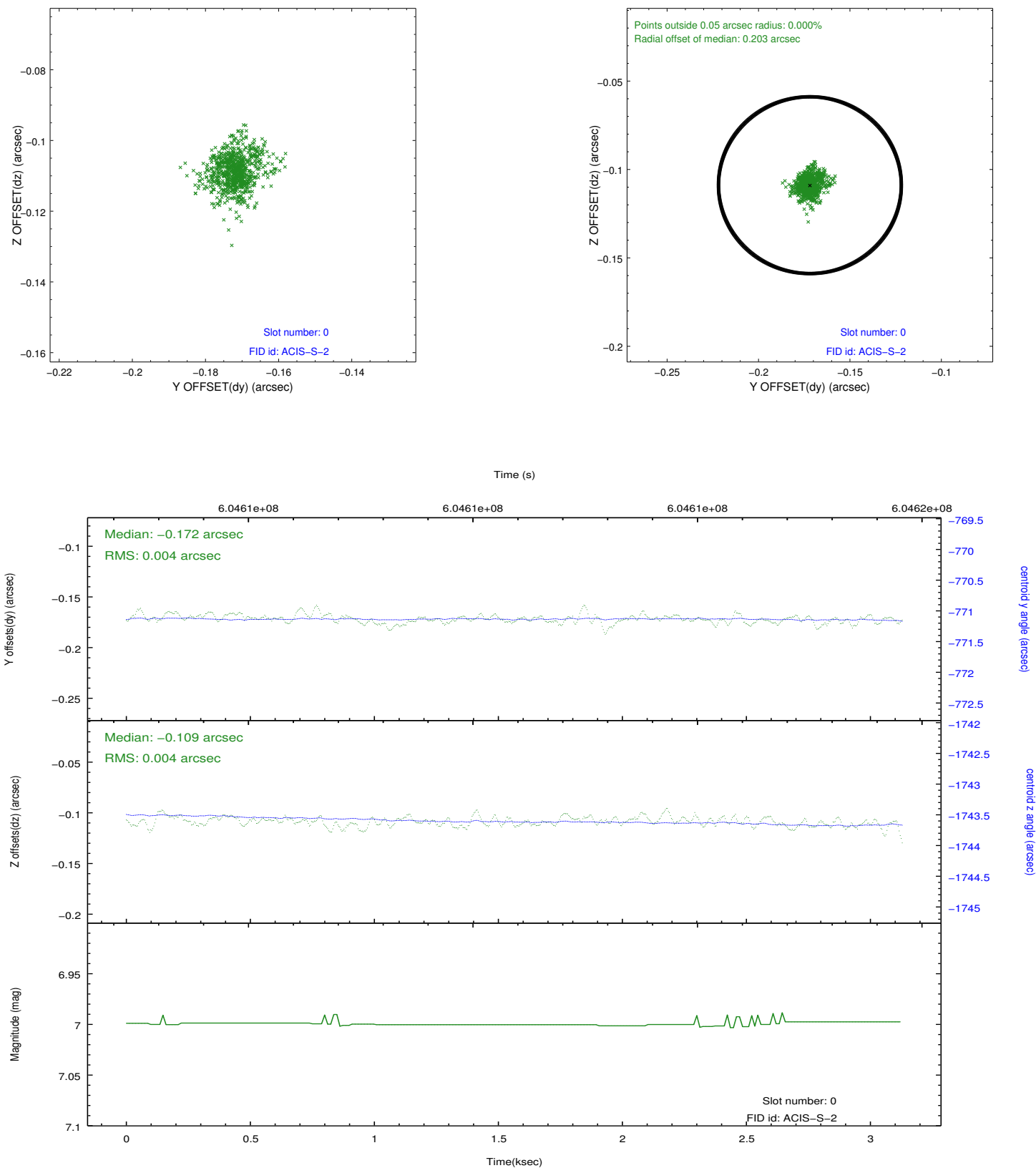


2.4.5 Slot 7

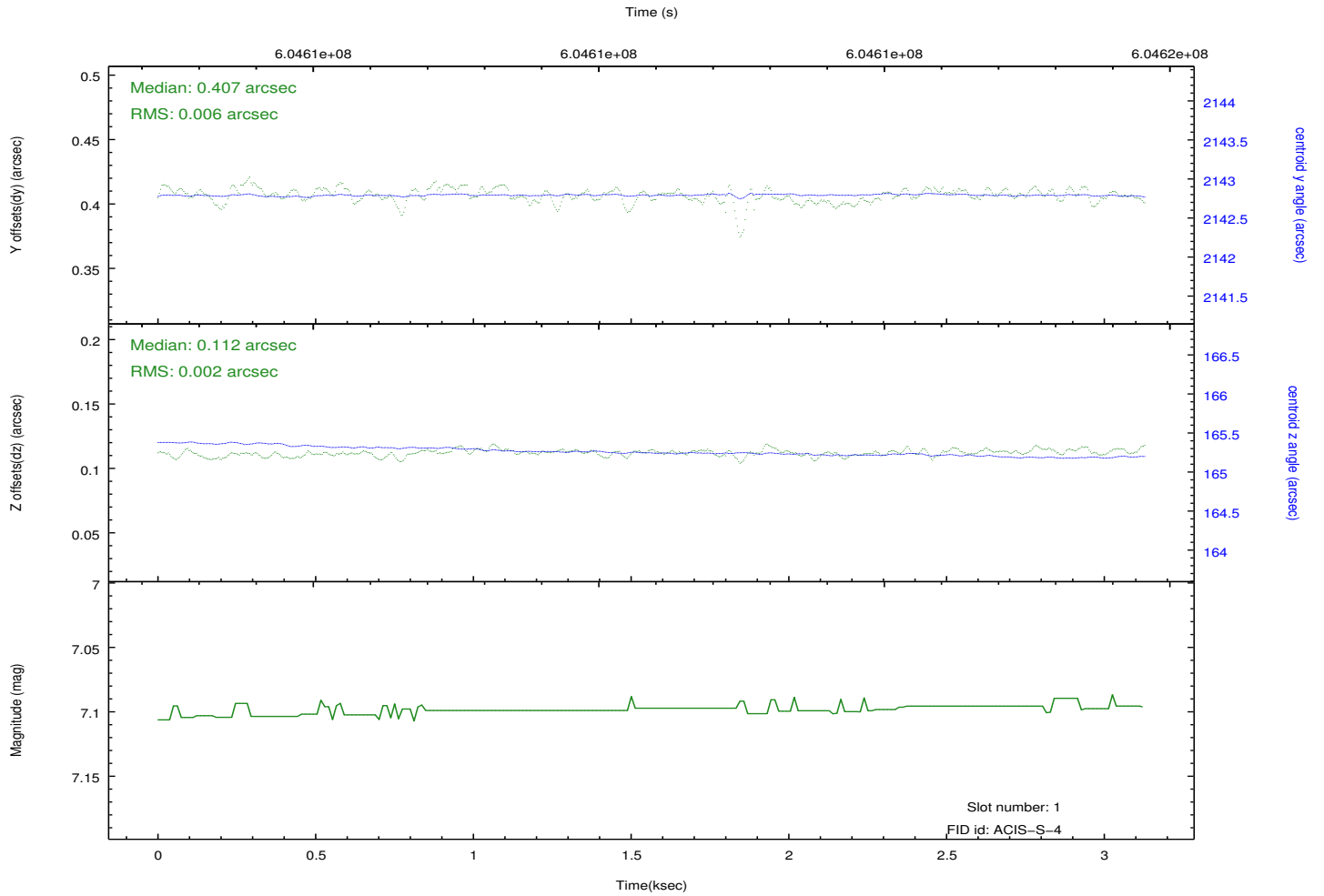
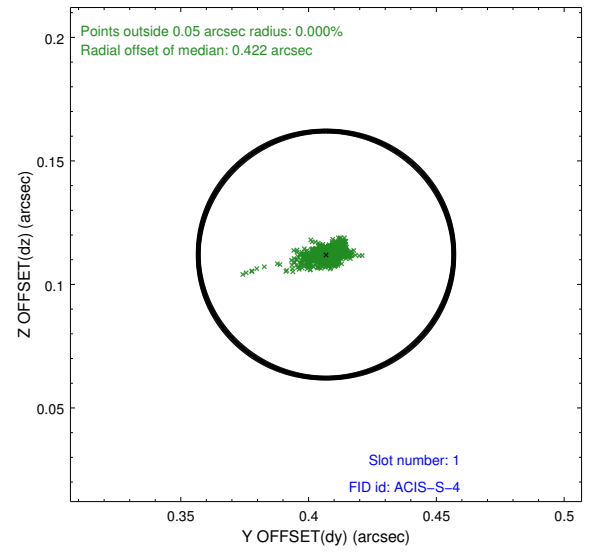
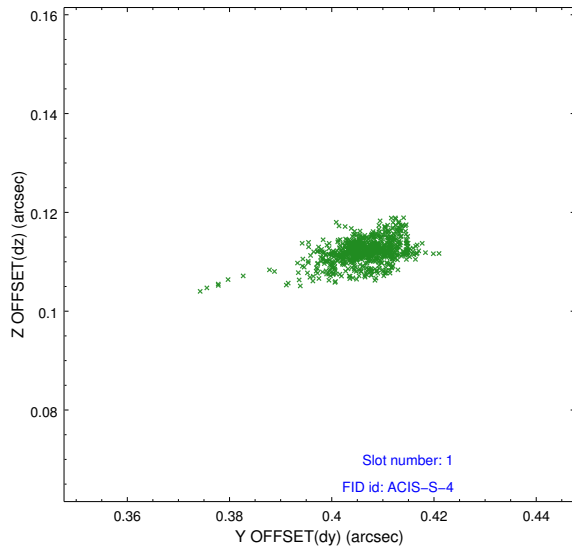


2.5 FID Slots

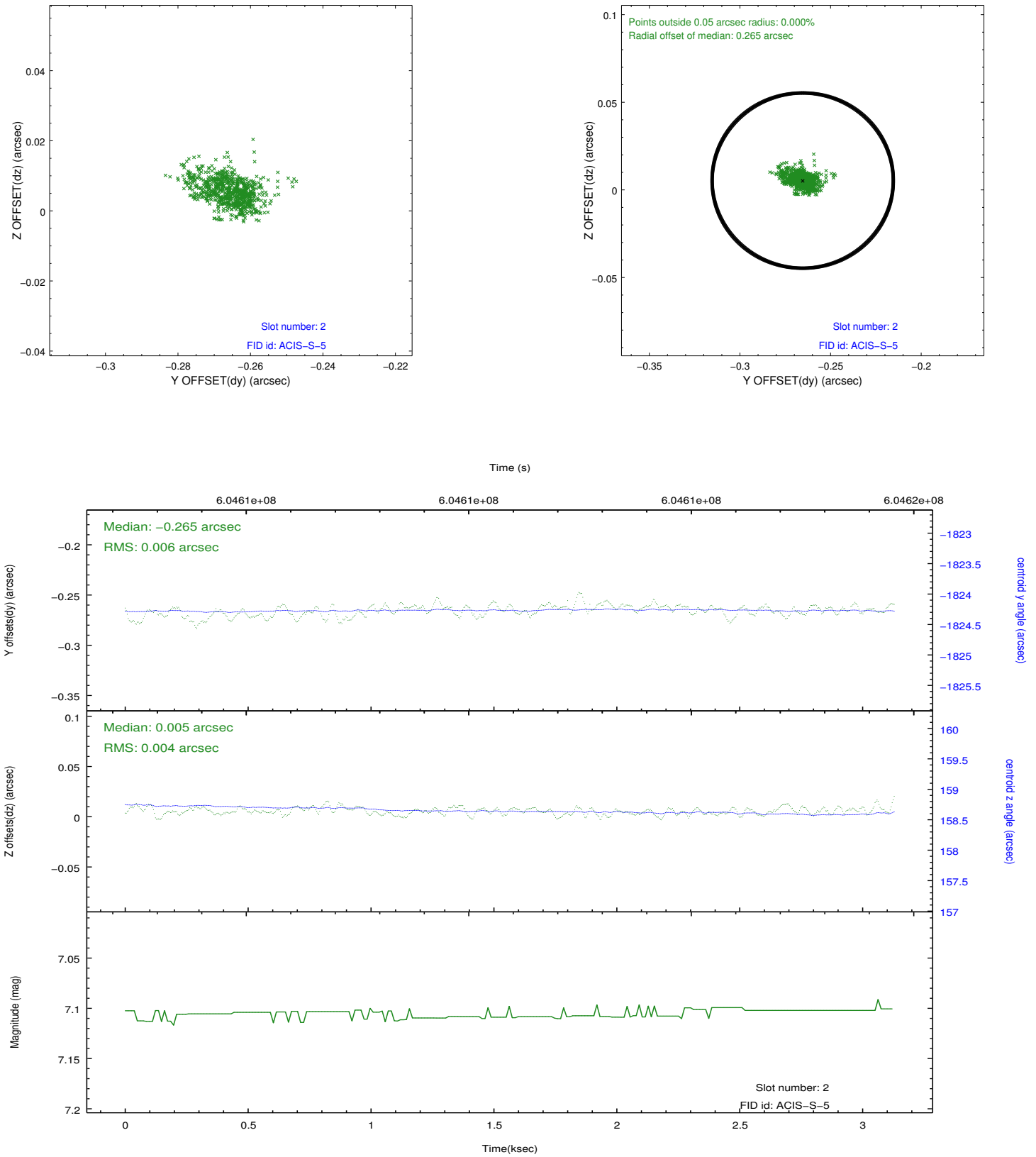
2.5.1 Slot 0



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)	2017.02.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1124000240564

A.2 Comments