

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 18261 - L2 Version 1
Chandra X-Ray Center

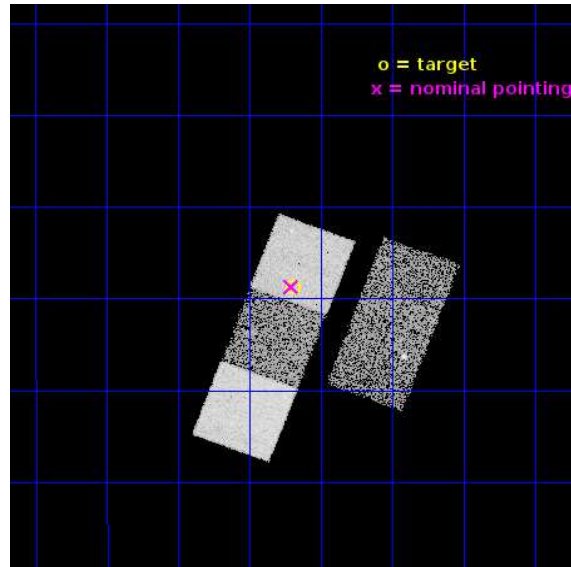
L2 Processing Date : Jan 21 2016

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1 Front

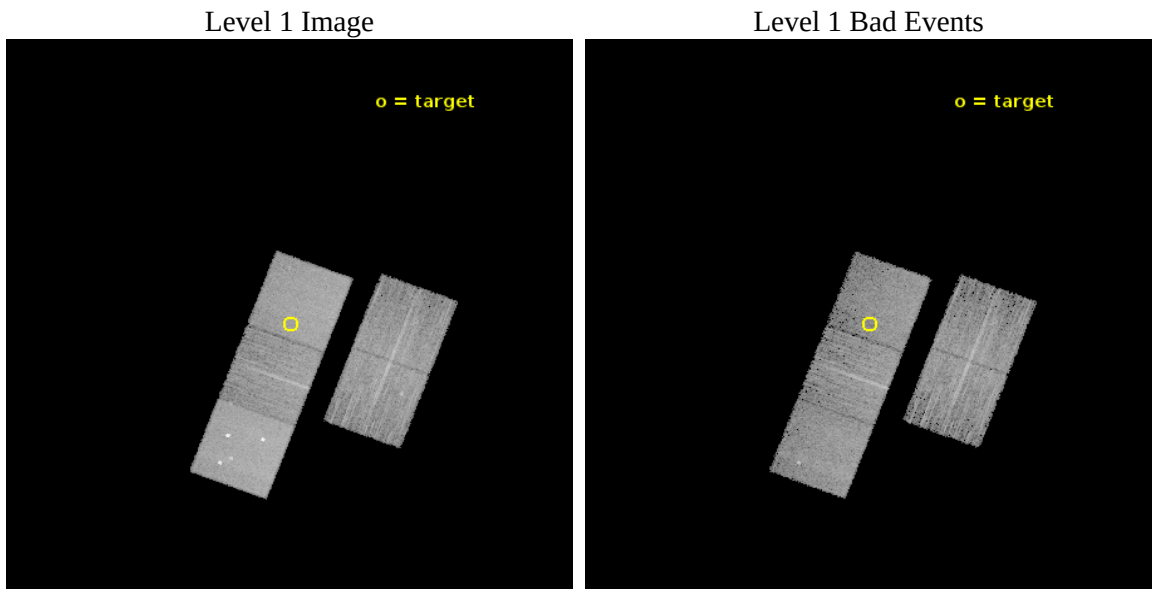
seq_num	801585	Sequence number
obs_id	18261	Observation id
title	Building a complete sample of z>1 XXL galaxy clusters	Proposal tit
observer	Dr Ben Maughan	Principal investigator
object	XLSS J022812.1-043845	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	37.05	Observer's specified target RA [deg]
dec_targ	-4.646	Observer's specified target Dec [deg]
ra_nom	37.052316494717	Nominal RA [deg]
dec_nom	-4.6452367314963	Nominal Dec [deg]
roll_nom	290.66262836131	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10039.744484663	Sum of GTIs [s]
livetime	9908.5678318185	Livetime [s]
ontime2	10039.58032465	Sum of GTIs [s]
ontime3	10039.621364713	Sum of GTIs [s]
ontime5	10039.703444719	Sum of GTIs [s]
ontime6	10039.662404656	Sum of GTIs [s]
ontime7	10039.744484663	Sum of GTIs [s]
l2events	90374	Number of level 2 events



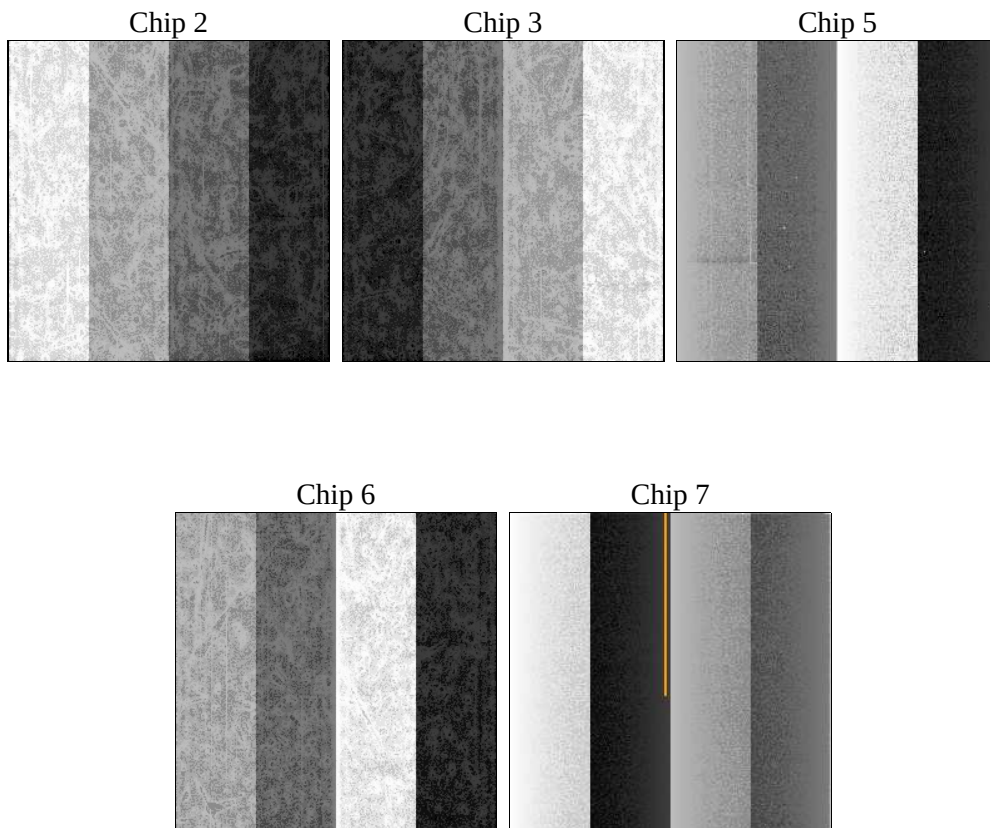
2 OBI

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	10.4.3	Processing system revision	ontime	10039.744484663	Sum of GTIs [s]
caldsver	4.7.0	 	ontime2	10039.58032465	Sum of GTIs [s]
date	2016-01-21T16:57:56	Date and time of file creation	ontime3	10039.621364713	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	10039.703444719	Sum of GTIs [s]
			ontime6	10039.662404656	Sum of GTIs [s]
			ontime7	10039.744484663	Sum of GTIs [s]
			l1events	345548	Number of level 1 events

2.1.4 Events

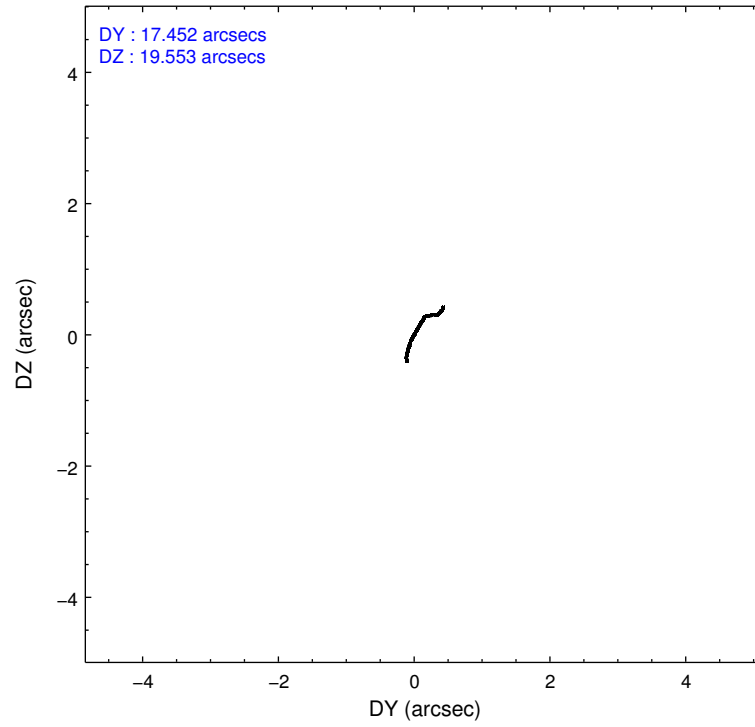
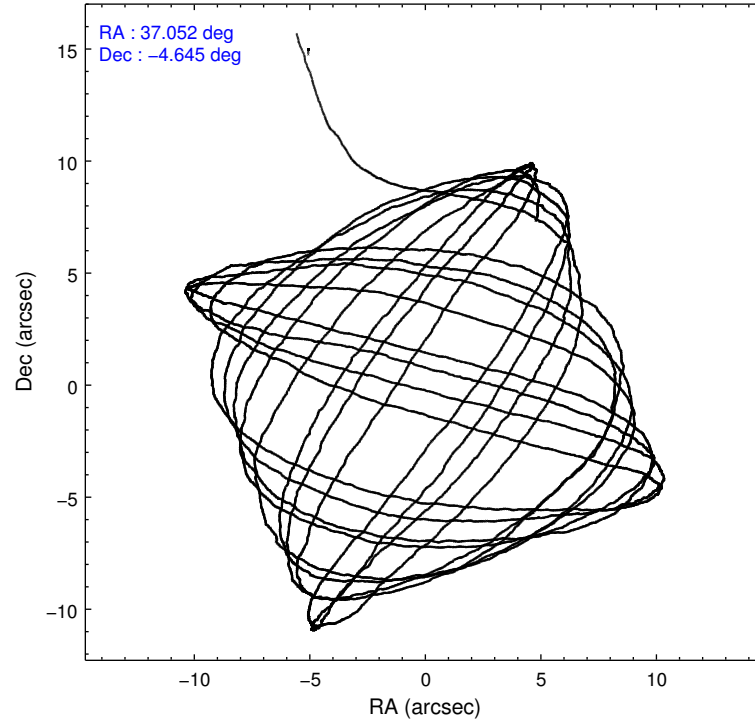
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	58044	55066	98406	57769	76263
rejected events	51546	49032	49516	51101	43666
rejected %	88%	89%	50%	88%	57%

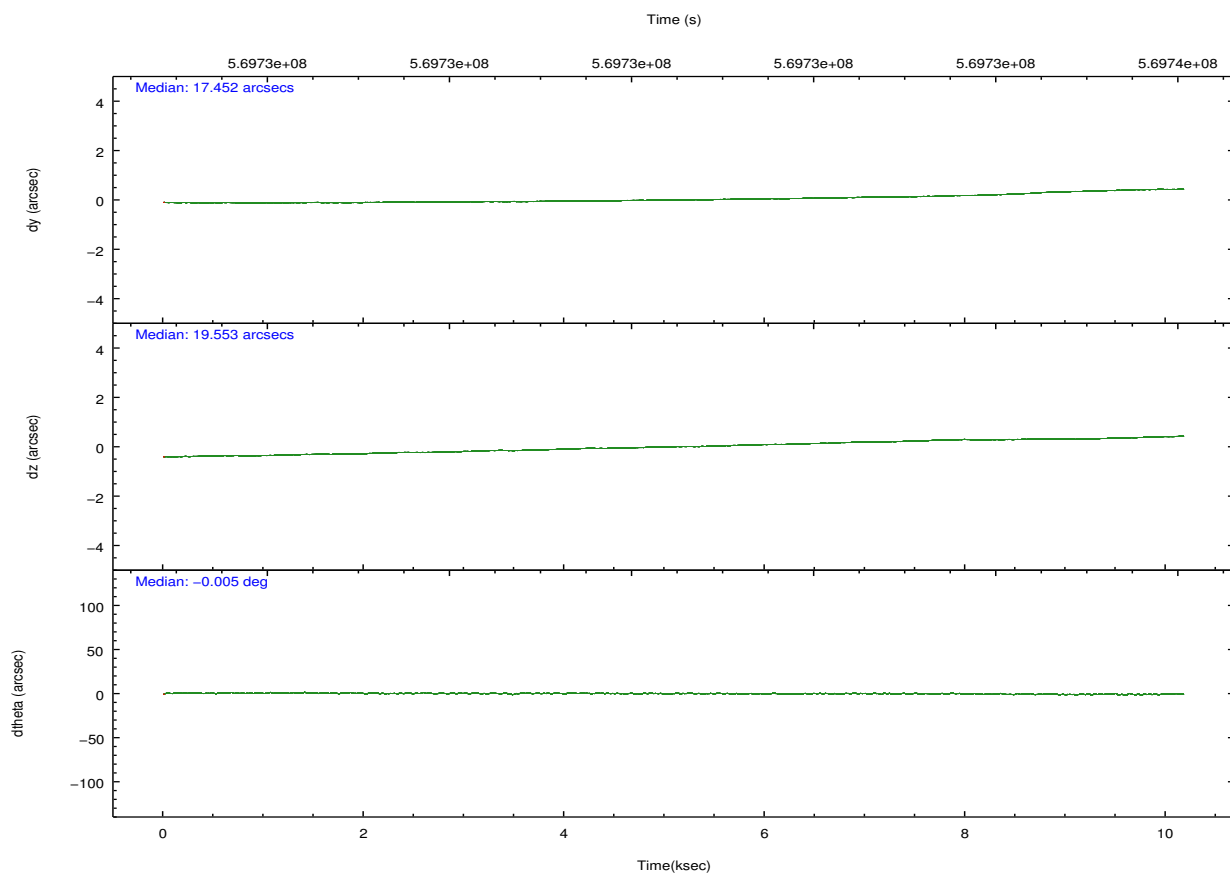
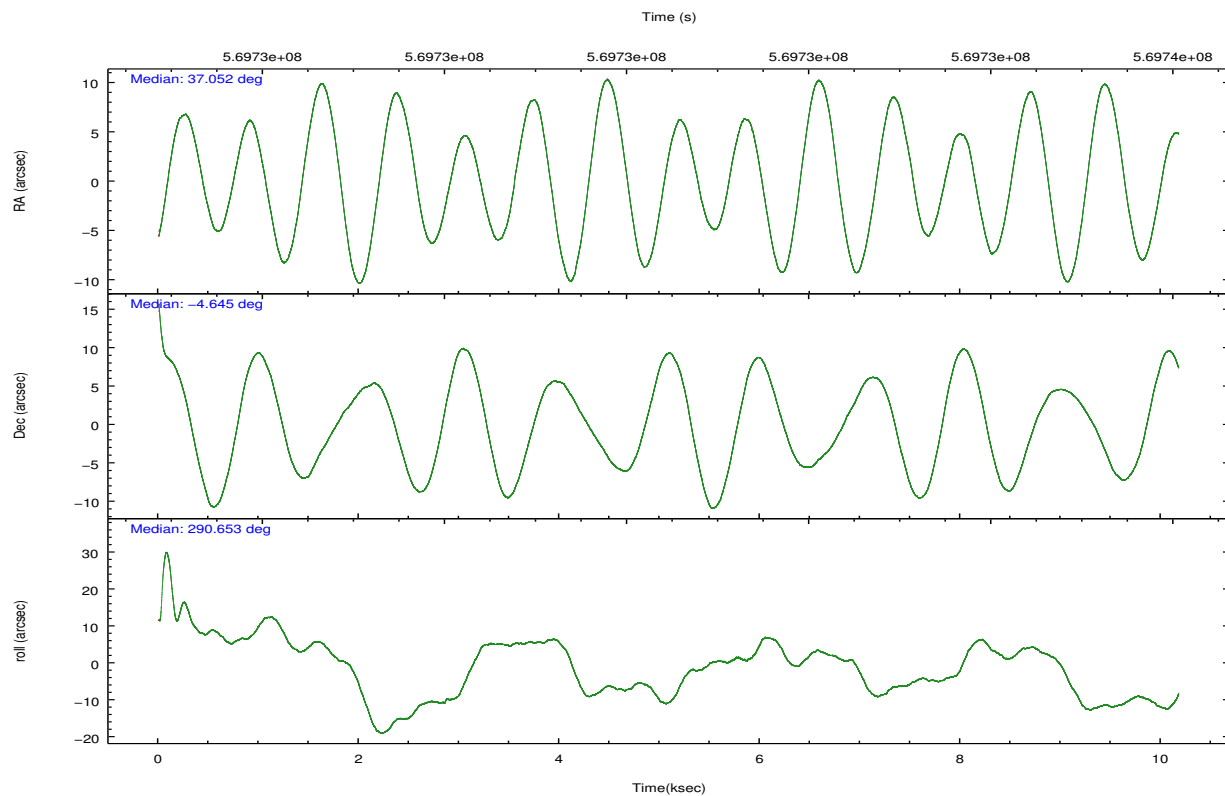
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	2421	2109	7887	2179	2818
	4%	3%	8%	3%	3%
grade 1 events	34	26	572	25	102
	0%	0%	0%	0%	0%
grade 2 events	1541	1332	13906	1493	6911
	2%	2%	14%	2%	9%
grade 3 events	638	631	1370	680	2626
	1%	1%	1%	1%	3%
grade 4 events	664	665	1391	646	2575
	1%	1%	1%	1%	3%
grade 5 events	2405	2894	6512	2861	7594
	4%	5%	6%	4%	9%
grade 6 events	1240	1301	24368	1675	17680
	2%	2%	24%	2%	23%
grade 7 events	49101	46108	42400	48210	35957
	84%	83%	43%	83%	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	37.030766	37.05231649471658	Subarray requested	NONE	NONE
[deg] Pointing Dec	-4.628170	-4.645236731496269	Alternating exposures requested	N	N
[deg] Pointing Roll	290.504292	290.6626283613133	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	569725561.184000	569723847.81309			
Observation start date	2016-01-21T01:04:53	2016-01-21T00:37:27			
[s] Observation end time (MET)	569735561.184000	569736333.8513			
Observation end date	2016-01-21T03:51:33	2016-01-21T04:05:33			
Read mode	TIMED	TIMED			

2.3 Aspect



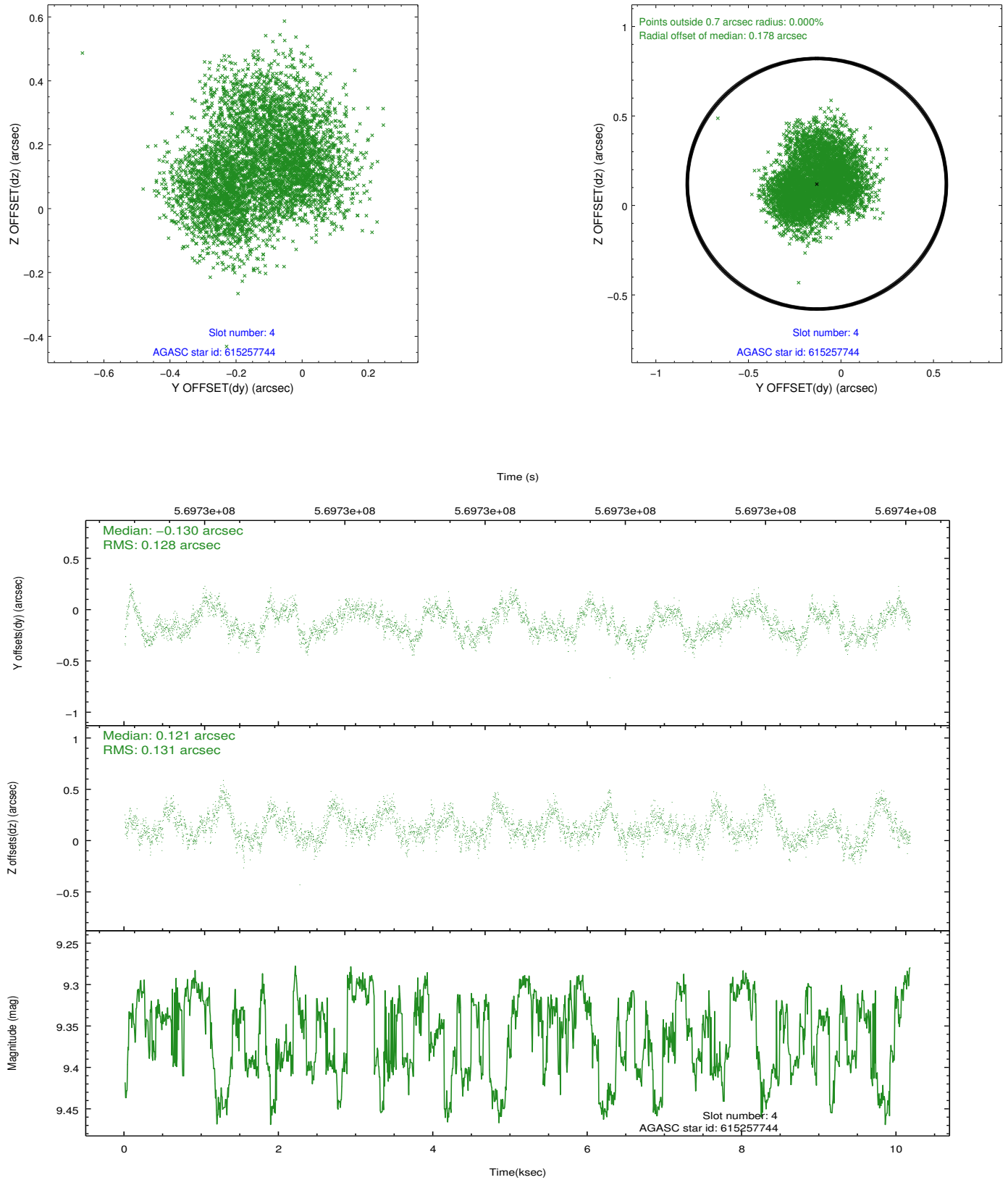


Slot Statistics

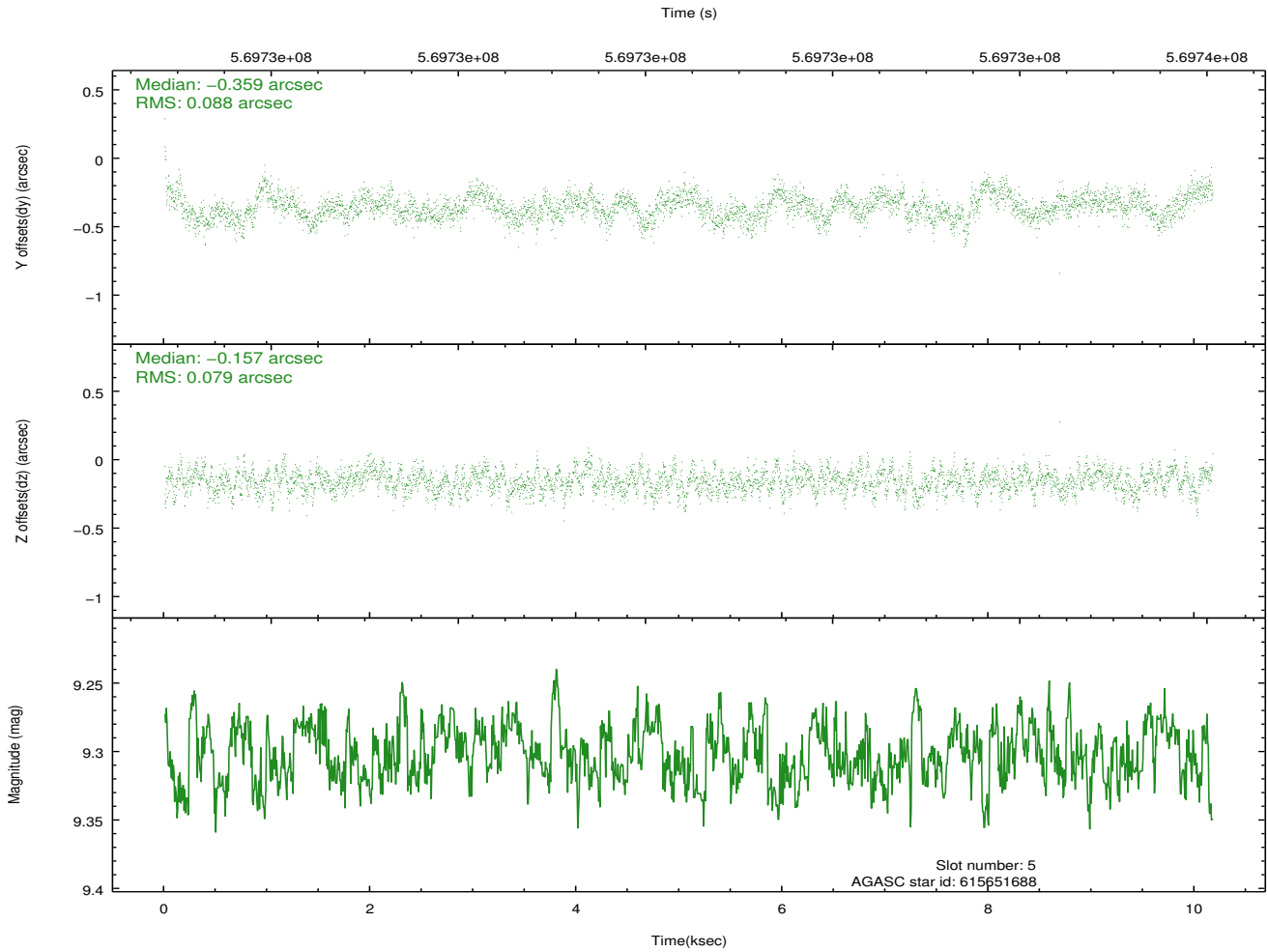
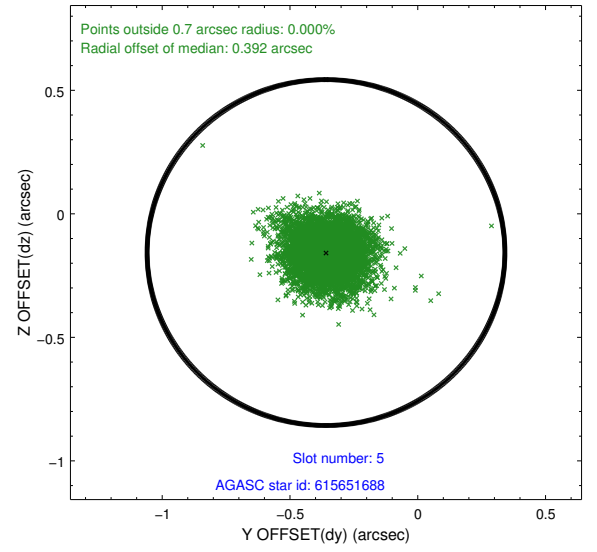
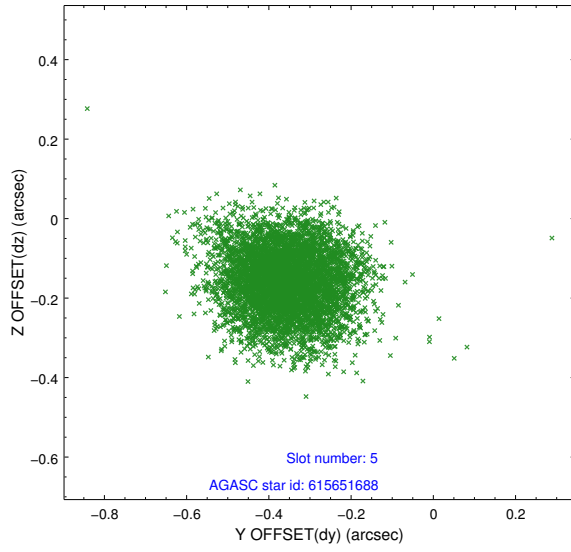
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.13	2482	-0.180	-0.132	0.010	0.016	0.000000	0.000000	-770.70	-1741.15
1	FID		ACIS-S-4	7.23	2482	0.444	0.122	0.008	0.014	0.000000	0.000000	2142.94	167.09
2	FID		ACIS-S-5	7.24	2480	-0.296	0.018	0.009	0.014	0.000000	0.000000	-1823.02	161.19
3	UNUSED			0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
4	GUIDE	used	615257744	9.36	4960	-0.130	0.121	0.199	0.299	37.483657	-4.208414	-845.22	2051.96
5	GUIDE	used	615651688	9.30	4959	-0.359	-0.157	0.126	0.201	36.942546	-5.027086	1234.45	-794.95
6	GUIDE	used	615652208	9.27	4958	-0.167	-0.187	0.162	0.256	37.091780	-5.282014	2282.59	-619.38
7	GUIDE	used	615261280	10.20	4954	0.667	0.212	0.317	0.469	36.528599	-4.553299	-881.06	-1593.99

2.4 Star Slots

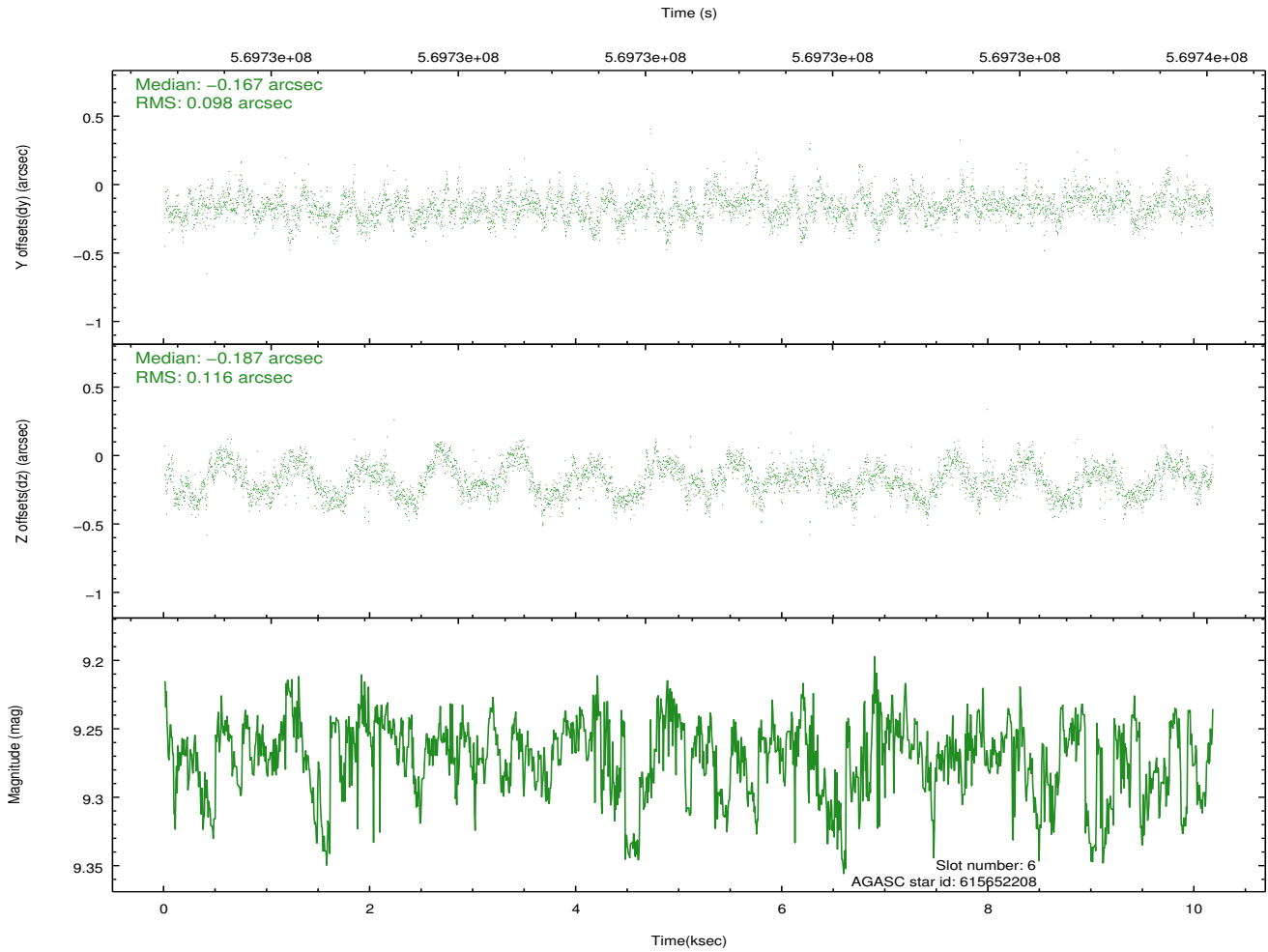
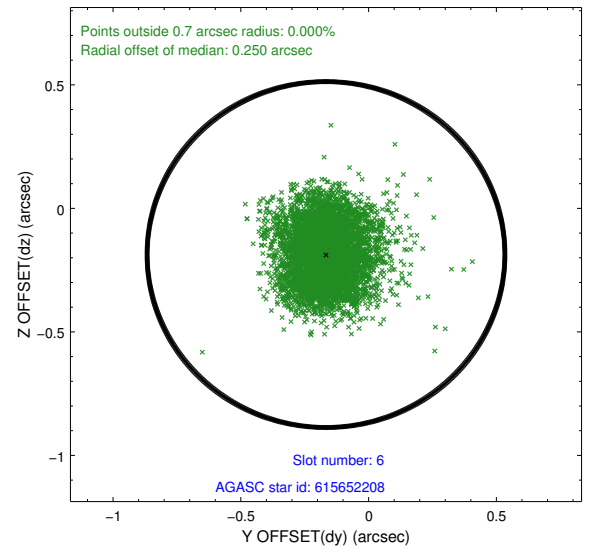
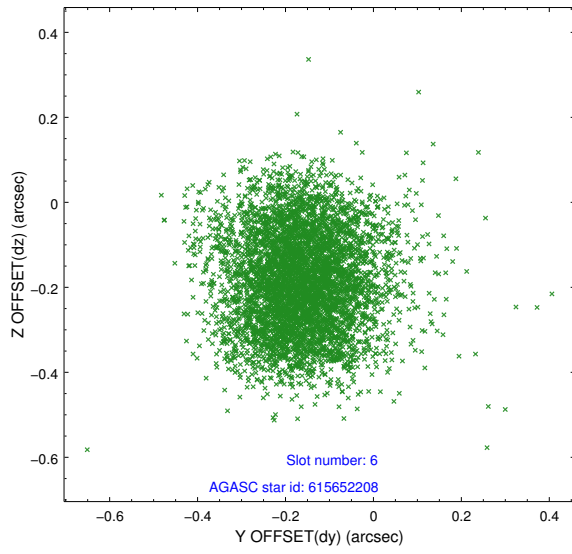
2.4.1 Slot 4



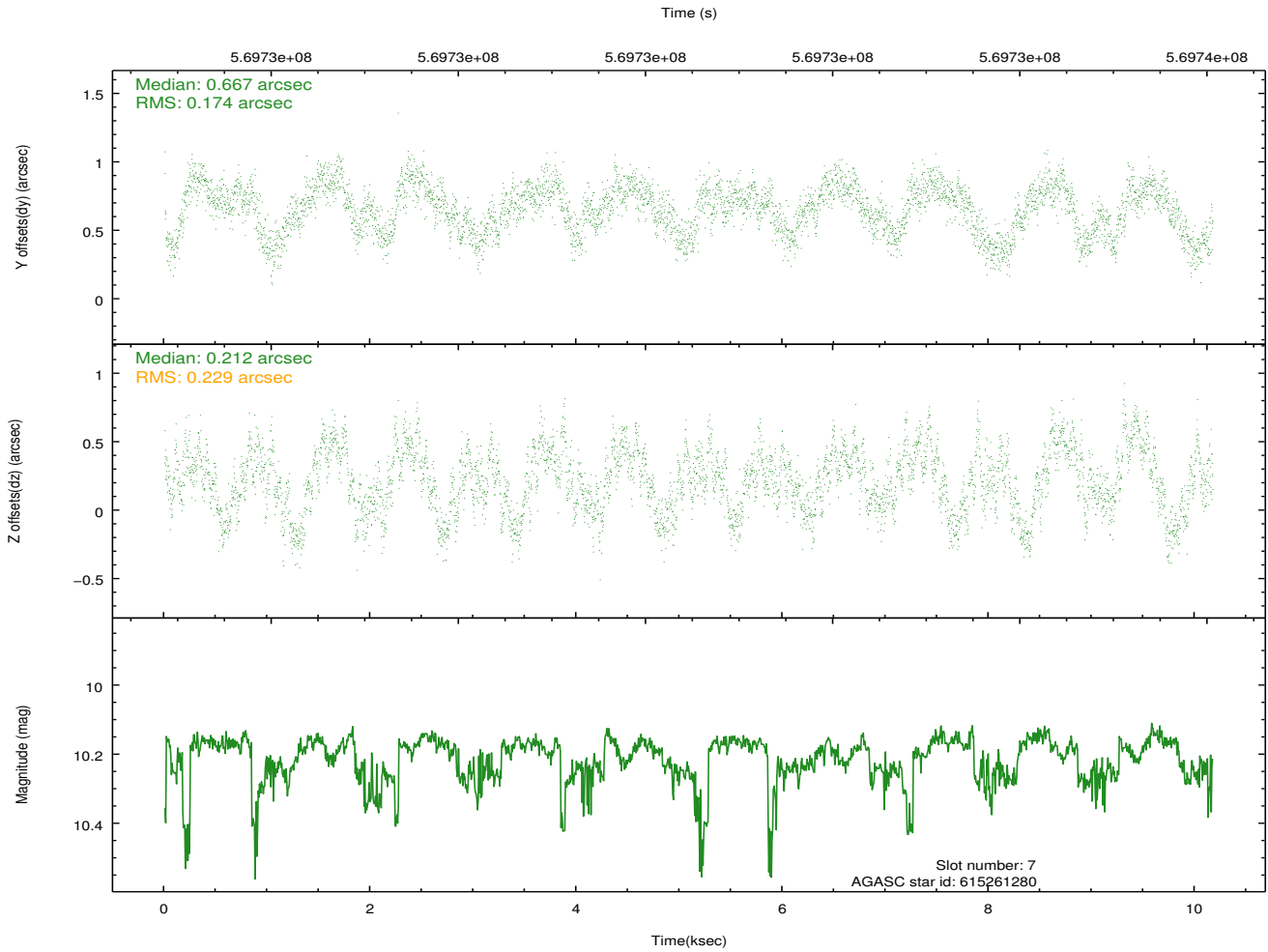
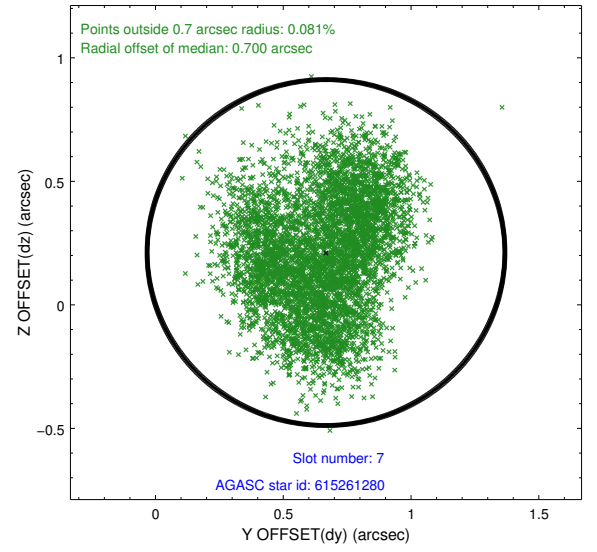
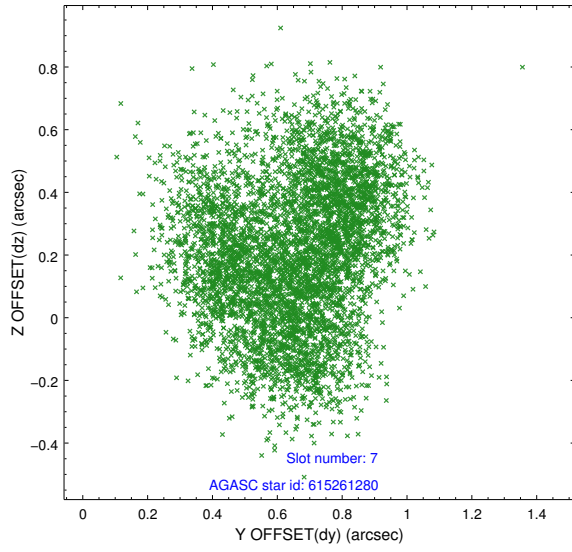
2.4.2 Slot 5



2.4.3 Slot 6

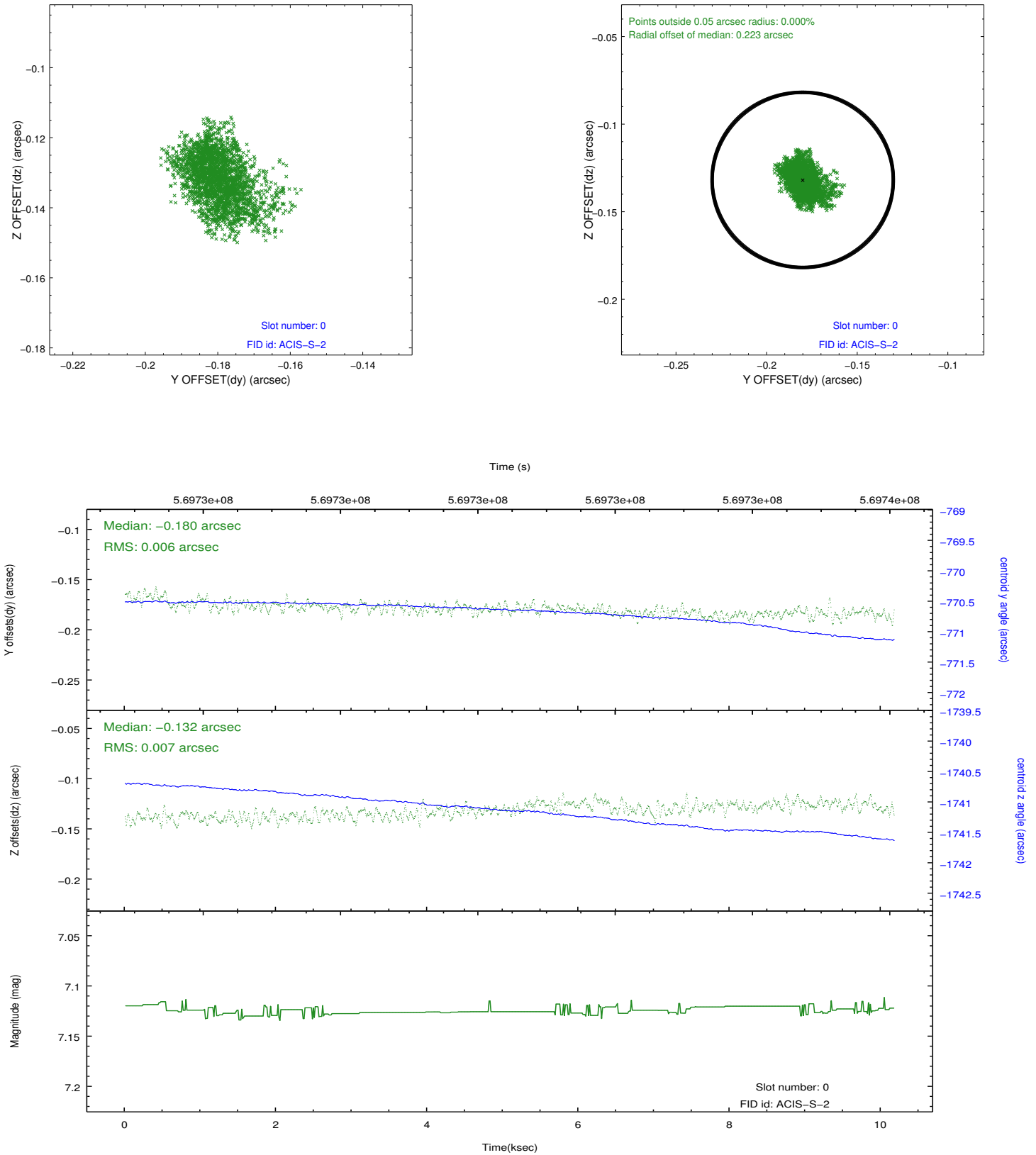


2.4.4 Slot 7

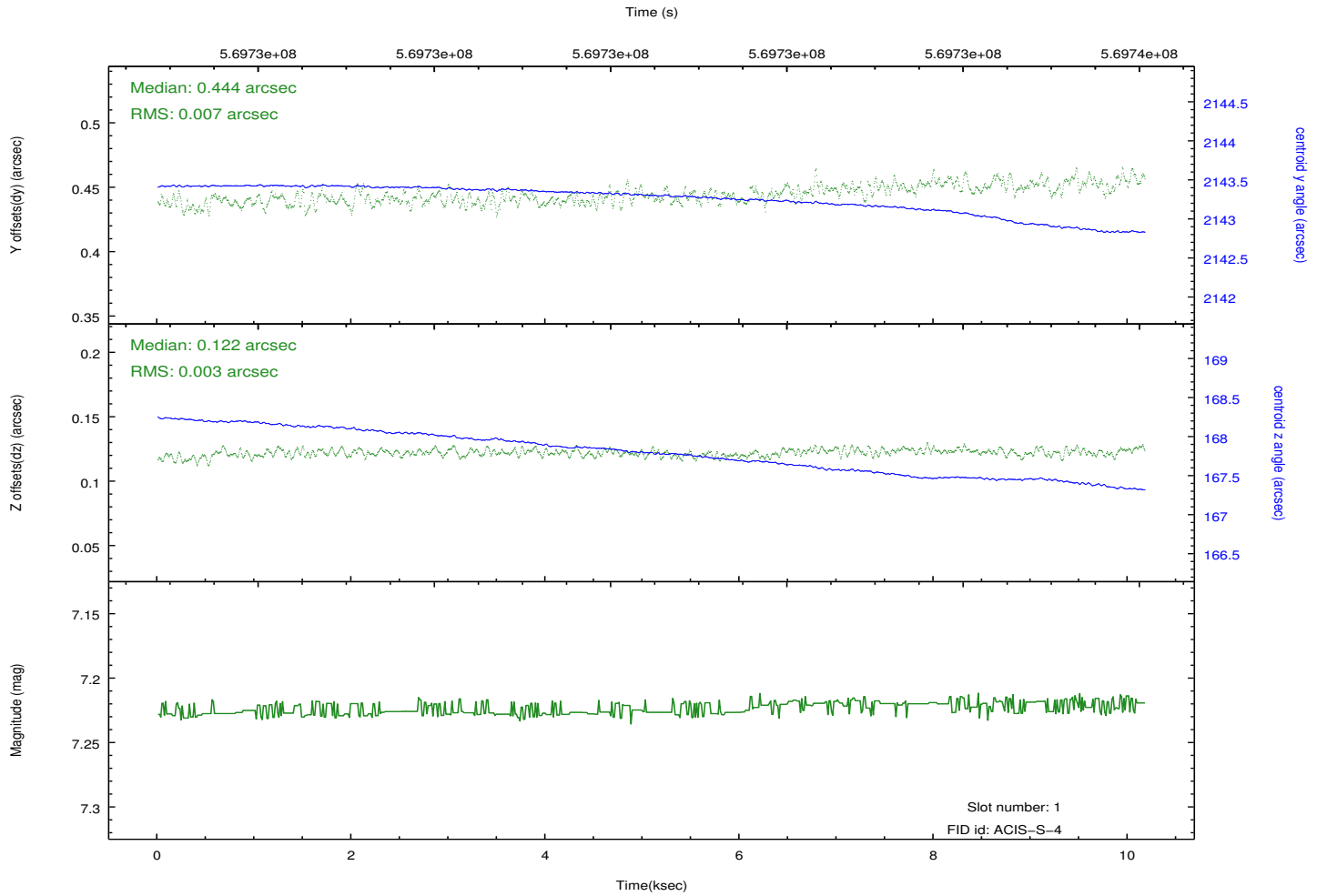
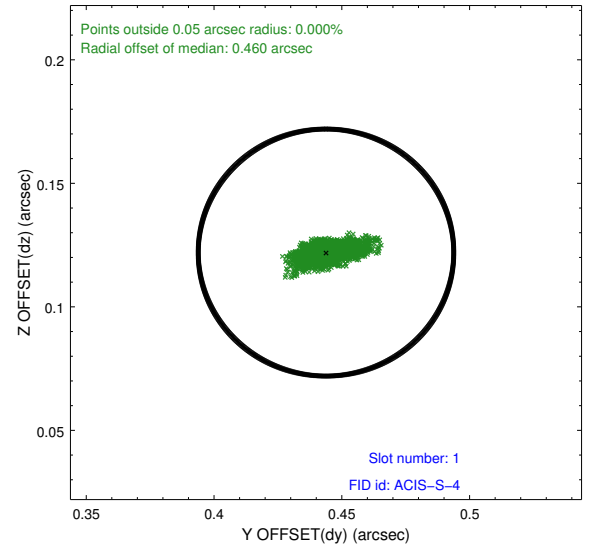
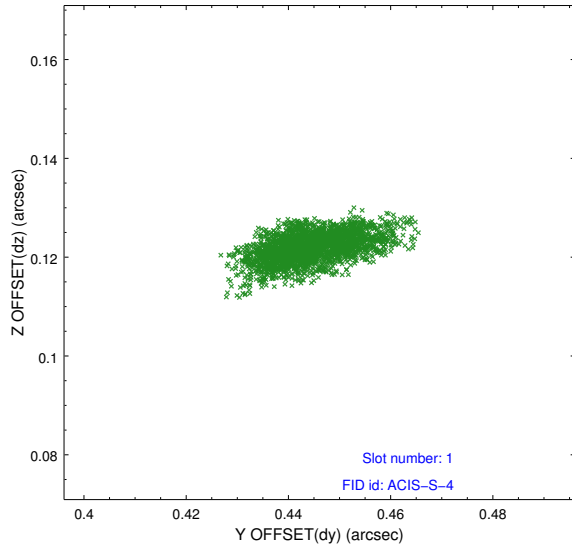


2.5 FID Slots

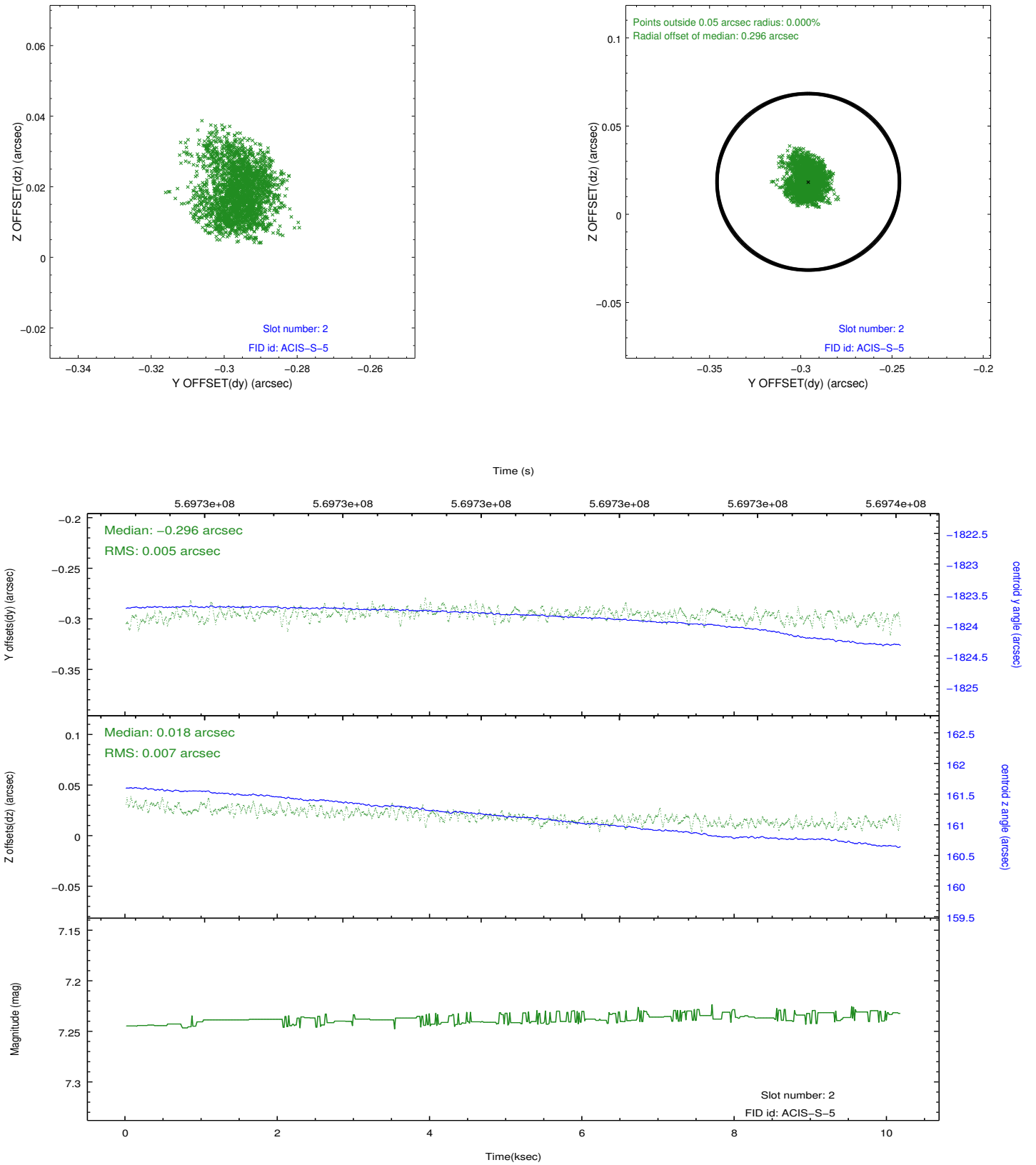
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2016.01.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.039744484663

A.2 Comments