

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 18260 - L2 Version 1
Chandra X-Ray Center

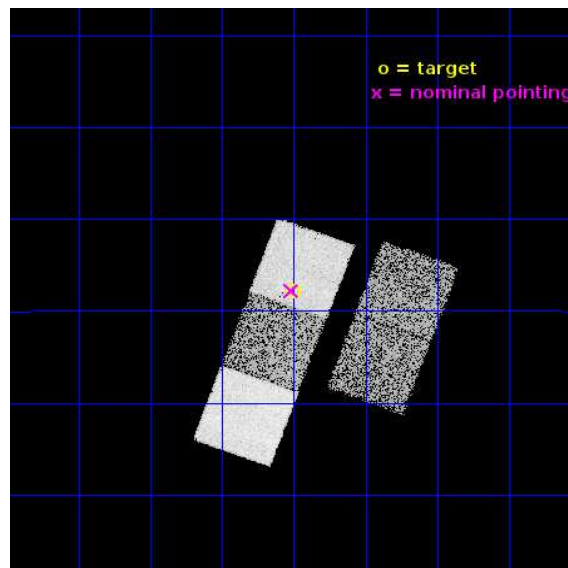
L2 Processing Date : Jan 21 2016

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1 Front

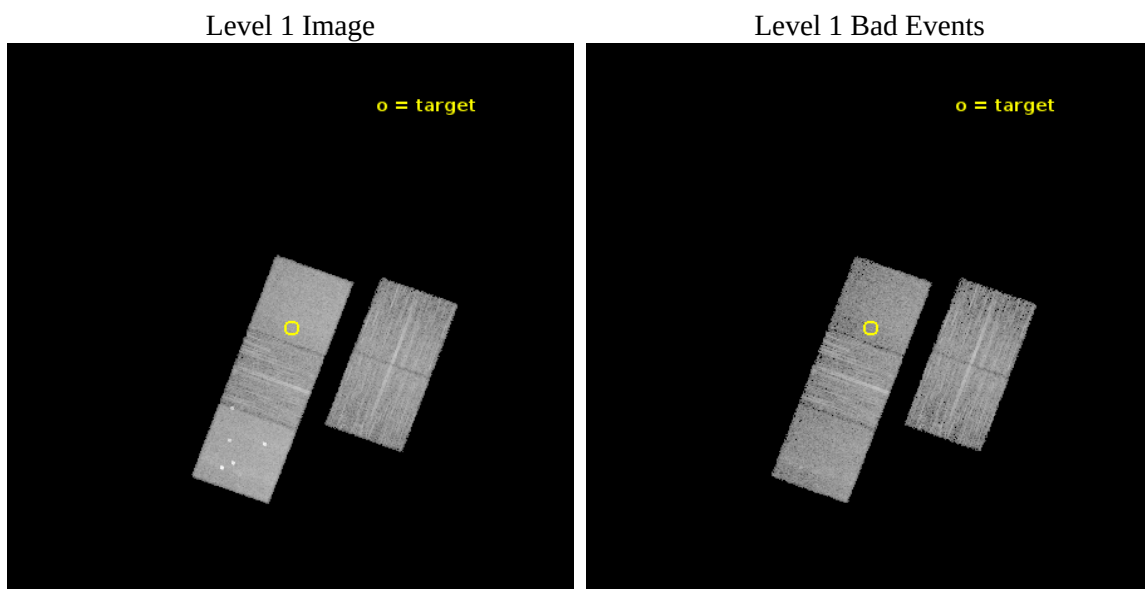
seq_num	801584	Sequence number
obs_id	18260	Observation id
title	Building a complete sample of z>1 XXL galaxy clusters	Proposal tit
observer	Dr Ben Maughan	Principal investigator
object	XLSSU J021700.3-034747	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	34.252083	Observer's specified target RA [deg]
dec_targ	-3.797	Observer's specified target Dec [deg]
ra_nom	34.254377477319	Nominal RA [deg]
dec_nom	-3.7963020800026	Nominal Dec [deg]
roll_nom	290.17960324891	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10059.500077486	Sum of GTIs [s]
livetime	9928.0653032775	Livetime [s]
ontime2	10059.500077486	Sum of GTIs [s]
ontime3	10059.500077486	Sum of GTIs [s]
ontime5	10059.500077486	Sum of GTIs [s]
ontime6	10059.500077486	Sum of GTIs [s]
ontime7	10059.500077486	Sum of GTIs [s]
l2events	90250	Number of level 2 events



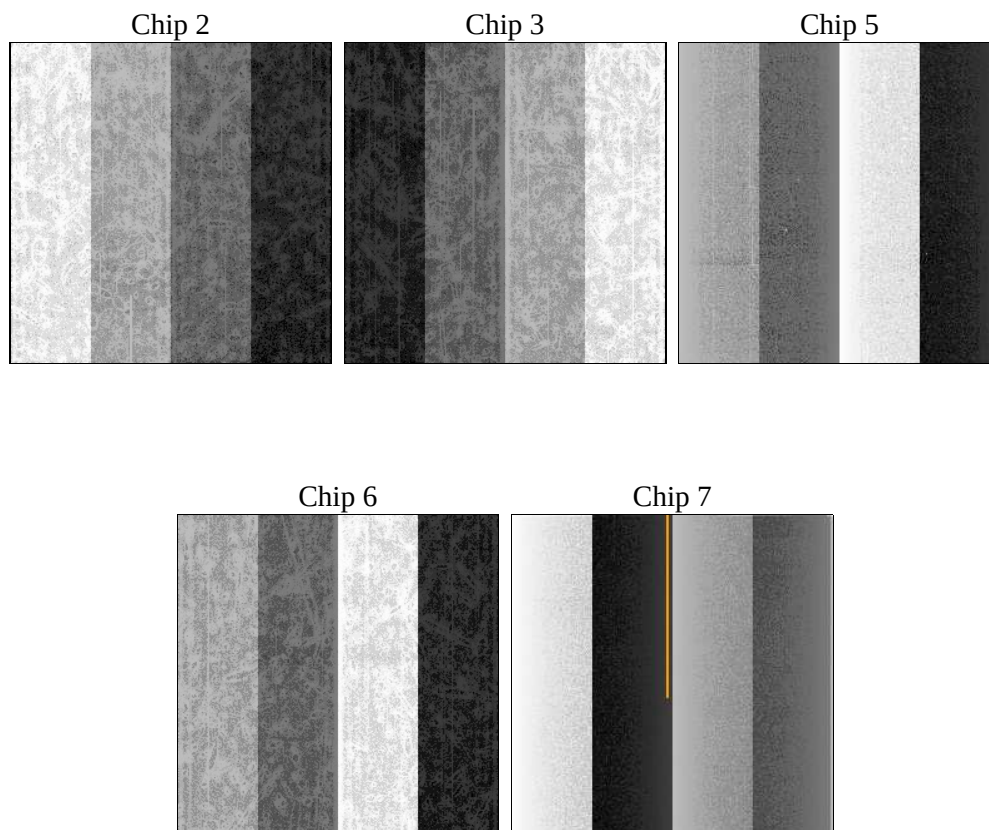
2 OBI

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	10059.500077486	Sum of GTIs [s]
caldsver	4.7.0	 	ontime2	10059.500077486	Sum of GTIs [s]
date	2016-01-22T04:33:06	Date and time of file creation	ontime3	10059.500077486	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	10059.500077486	Sum of GTIs [s]
			ontime6	10059.500077486	Sum of GTIs [s]
			ontime7	10059.500077486	Sum of GTIs [s]
			l1events	356447	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	58424	58050	100809	62617	76547
rejected events	52332	52030	49701	55880	44291
rejected %	89%	89%	49%	89%	57%

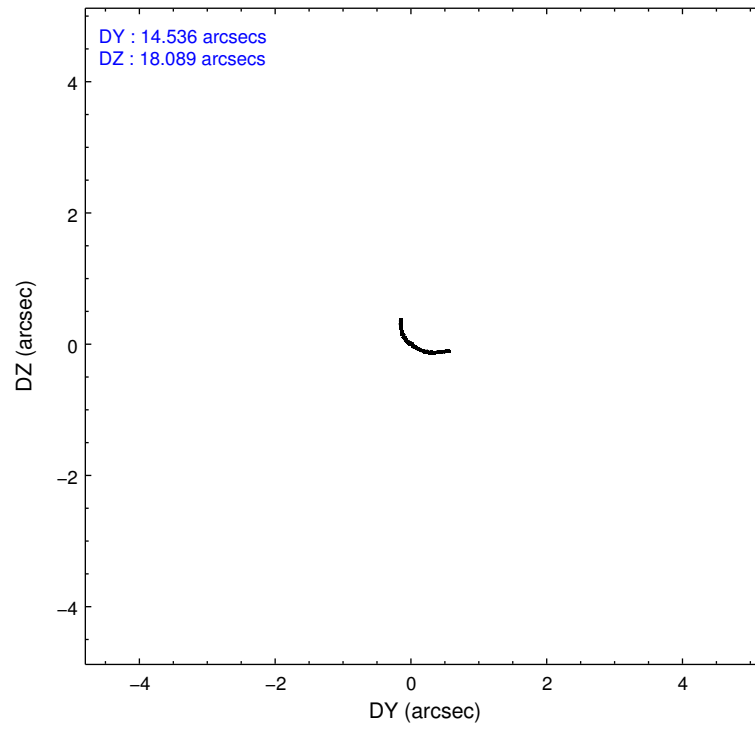
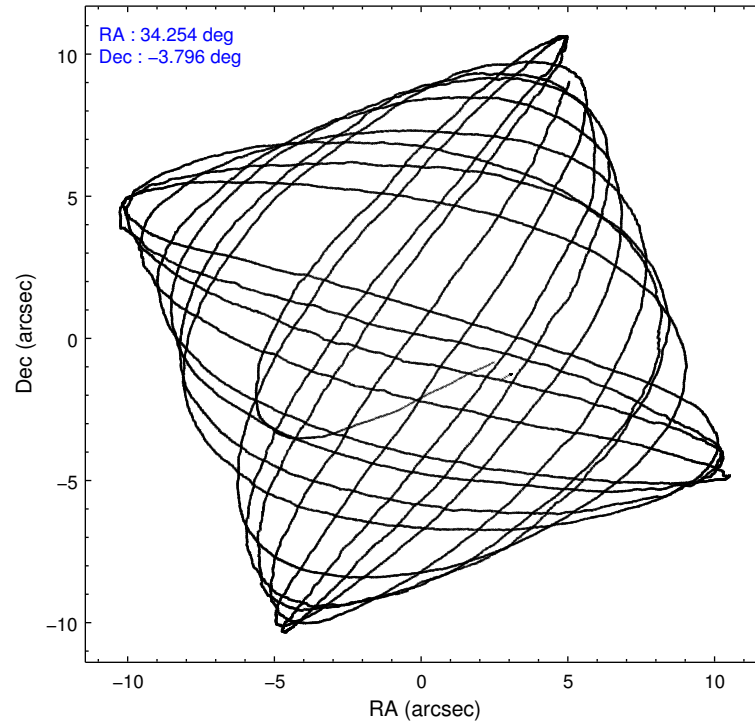
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	2085	2093	8184	2138	2534
	3%	3%	8%	3%	3%
grade 1 events	26	30	310	22	94
	0%	0%	0%	0%	0%
grade 2 events	1405	1224	15265	1572	6873
	2%	2%	15%	2%	8%
grade 3 events	720	666	1277	658	2428
	1%	1%	1%	1%	3%
grade 4 events	629	654	1376	613	2342
	1%	1%	1%	0%	3%
grade 5 events	2427	2748	6226	2810	7322
	4%	4%	6%	4%	9%
grade 6 events	1256	1383	25017	1760	18088
	2%	2%	24%	2%	23%
grade 7 events	49876	49252	43154	53044	36866
	85%	84%	42%	84%	48%

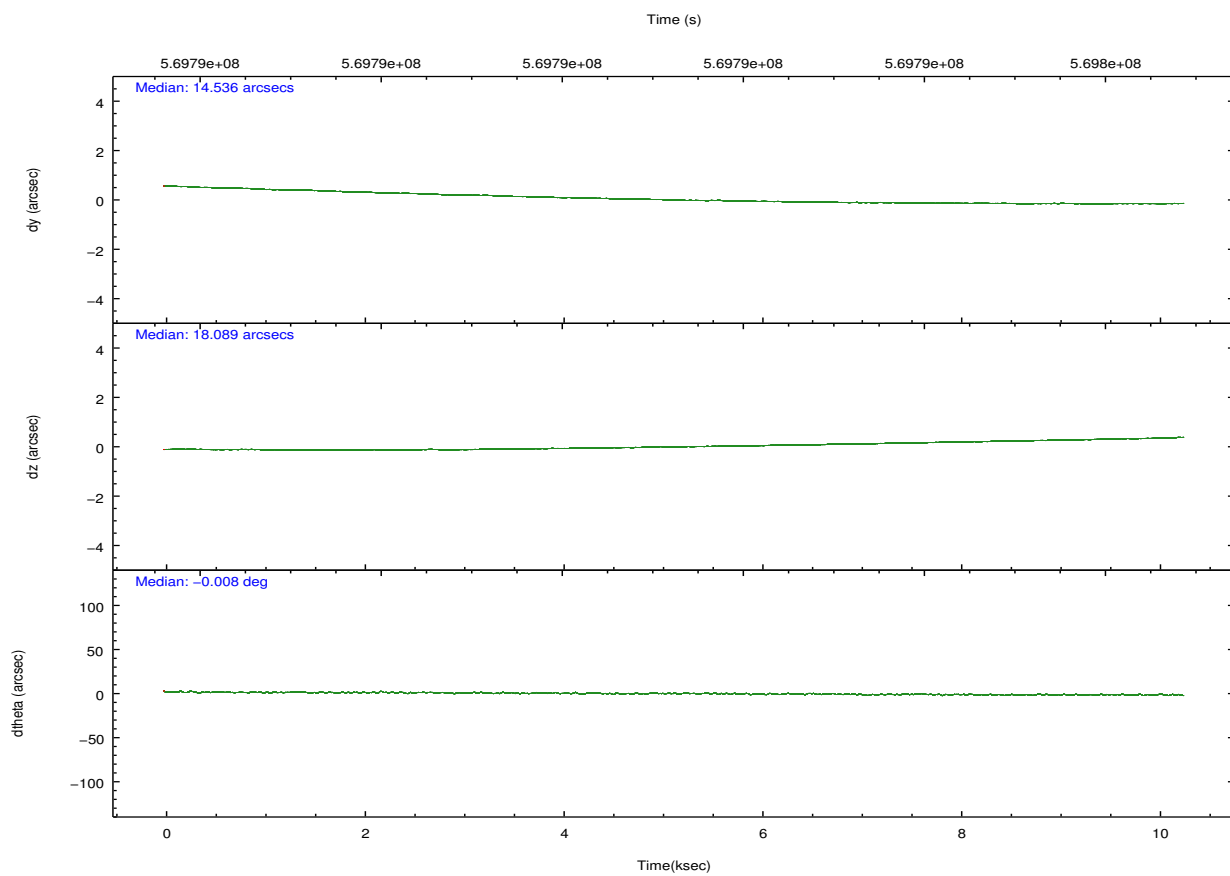
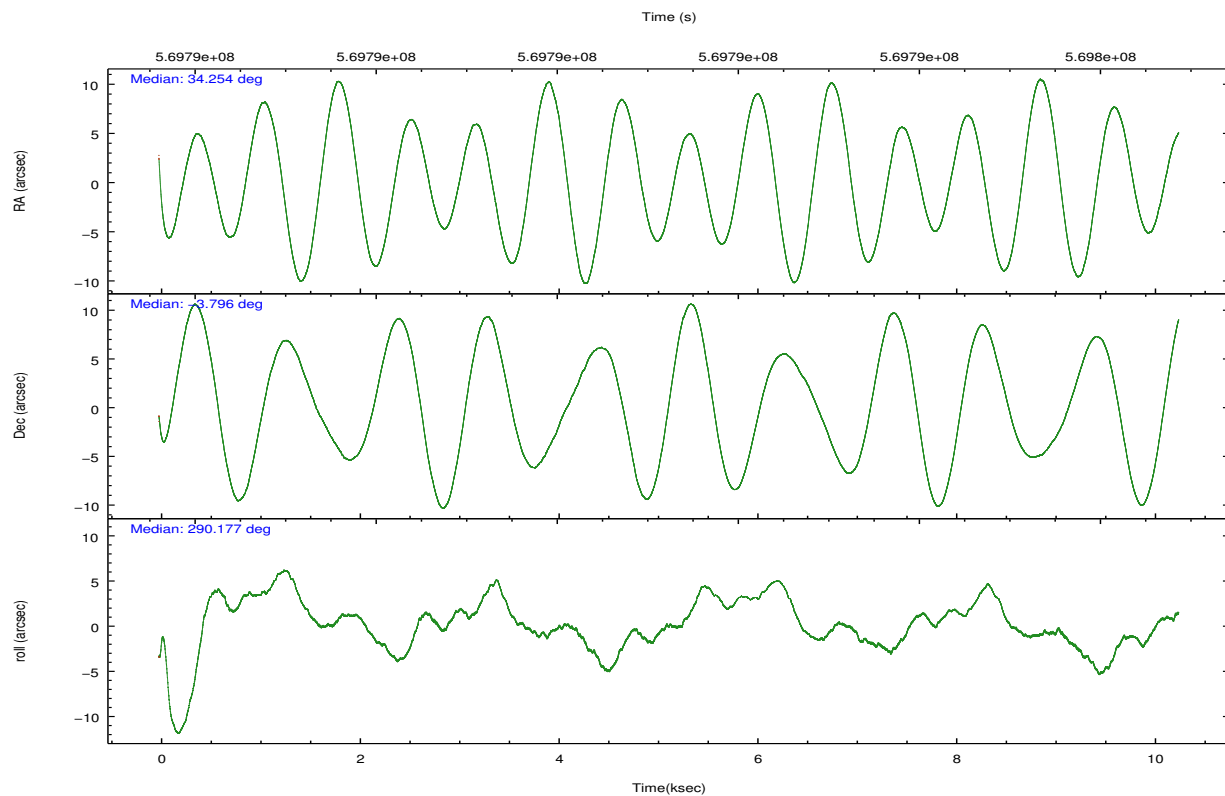
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-23567	ACIS-23567
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	34.233016	34.2543774773191
[deg] Pointing Dec	-3.779013	-3.796302080002588
[deg] Pointing Roll	290.021566	290.1796032489058
[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)	569786345.184000	569785208.4165699
Observation start date	2016-01-21T17:57:57	2016-01-21T17:40:08
[s] Observation end time (MET)	569796345.184000	569797177.85475
Observation end date	2016-01-21T20:44:37	2016-01-21T20:59:37
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



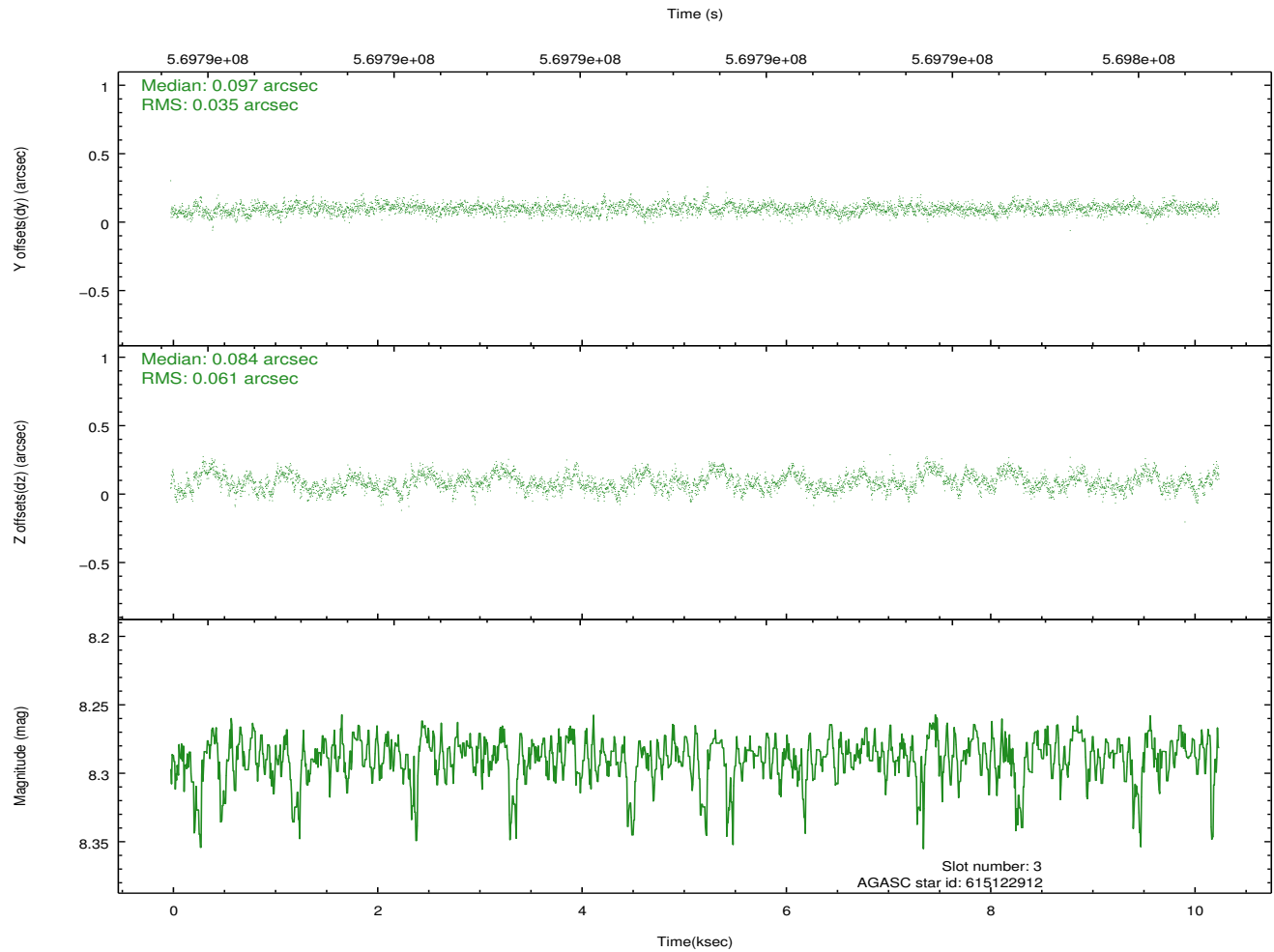
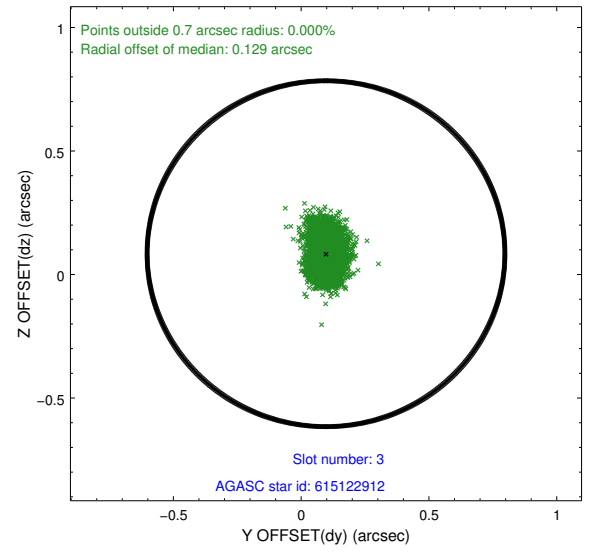
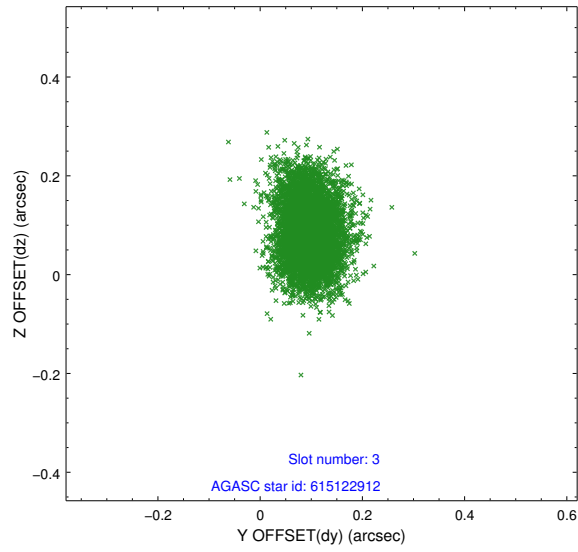


Slot Statistics

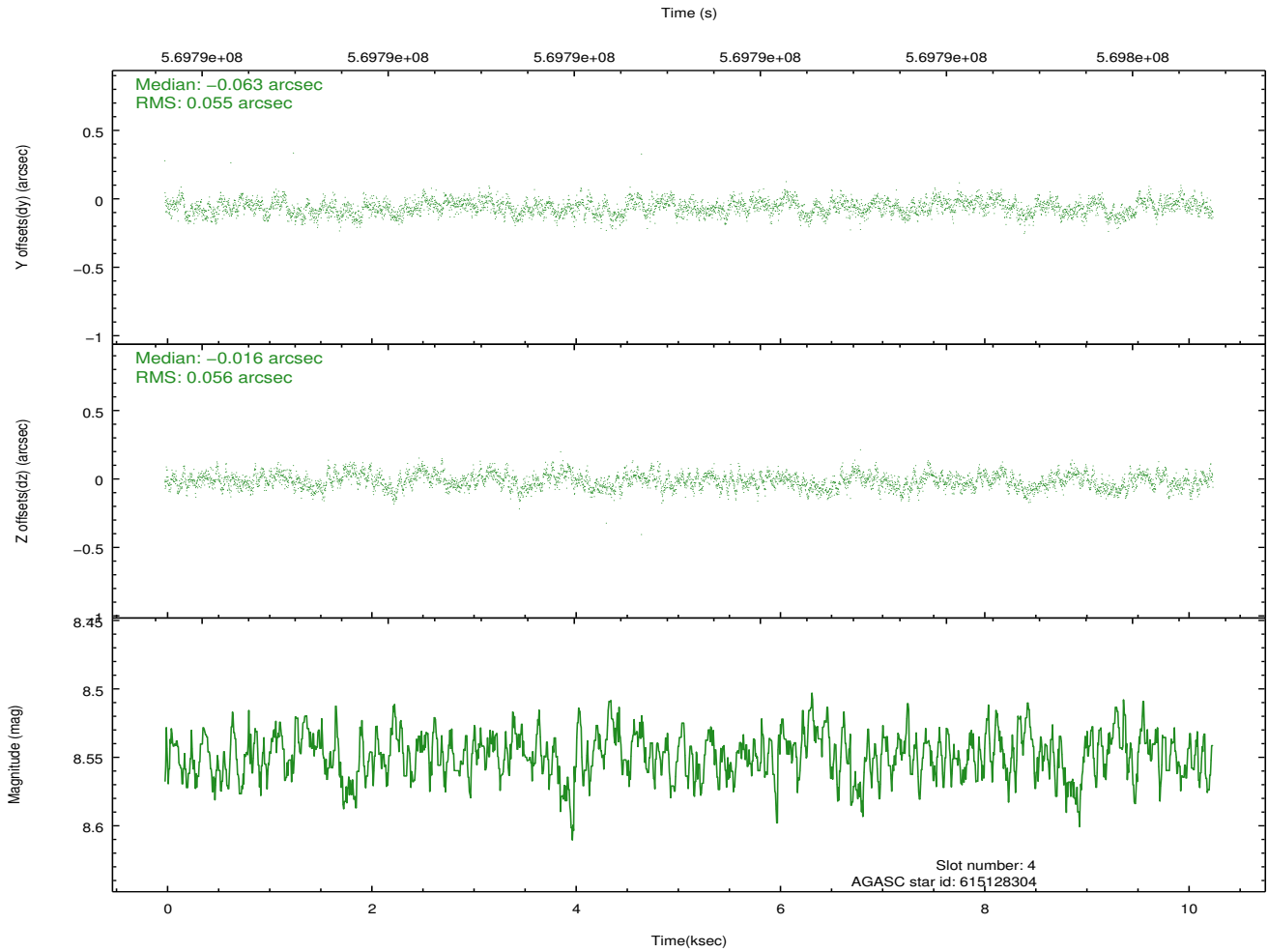
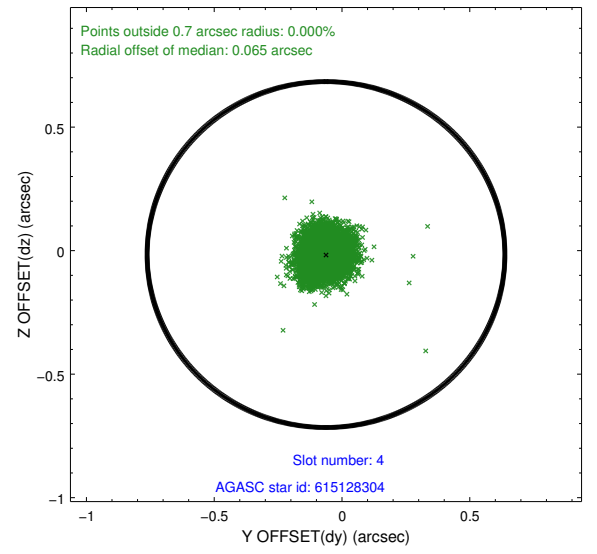
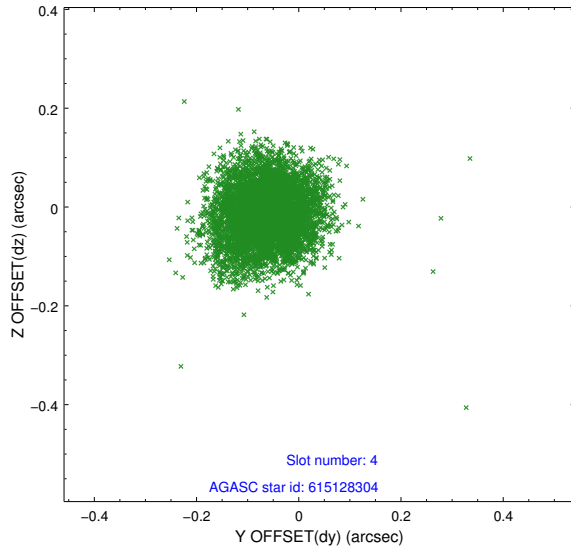
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.23	2501	0.261	-0.047	0.007	0.011	0.000000	0.000000	928.80	-1735.18
1	FID		ACIS-S-2	7.13	2503	-0.148	-0.100	0.008	0.012	0.000000	0.000000	-767.22	-1740.39
2	FID		ACIS-S-5	7.24	2502	-0.136	0.152	0.006	0.012	0.000000	0.000000	-1821.06	161.93
3	GUIDE	used	615122912	8.29	5004	0.097	0.084	0.074	0.125	33.556538	-3.635204	-1313.88	-2107.84
4	GUIDE	used	615128304	8.55	5003	-0.063	-0.016	0.084	0.131	34.566287	-4.097564	1487.52	733.05
5	GUIDE	used	615129680	9.04	5002	0.037	-0.161	0.102	0.162	34.462822	-4.356201	2235.42	63.74
6	GUIDE	used	615129992	8.39	5005	0.085	0.101	0.078	0.127	33.989595	-4.095121	772.71	-1208.24
7	GUIDE	used	615129592	8.85	4999	-0.159	-0.011	0.102	0.166	34.607456	-4.334536	2340.48	578.27

2.4 Star Slots

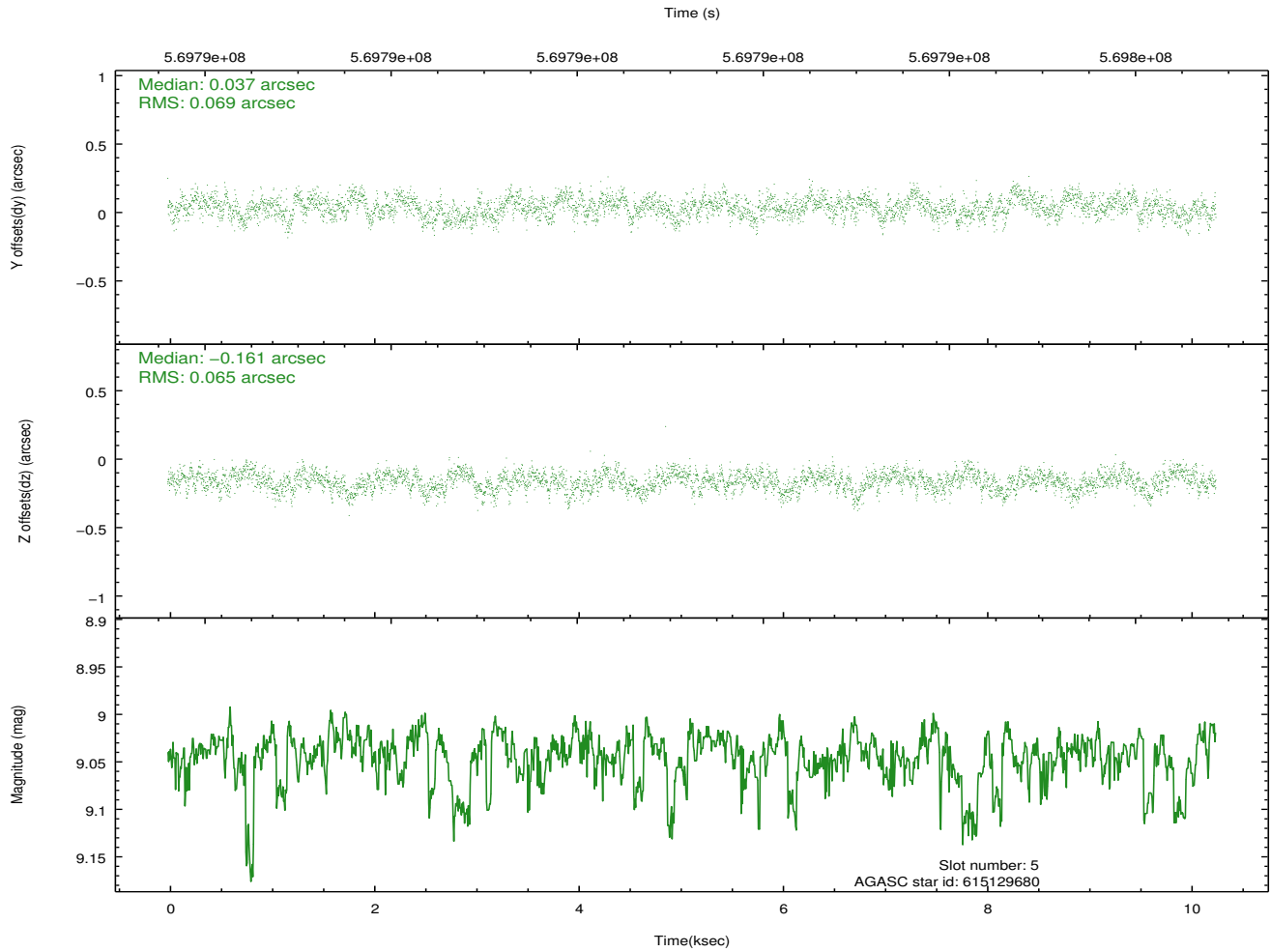
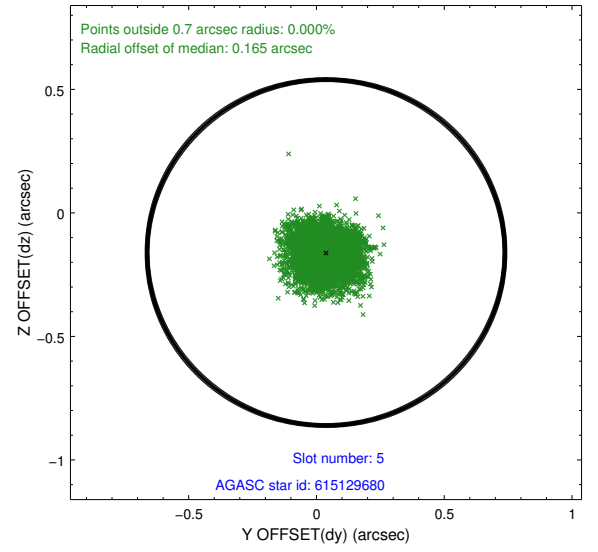
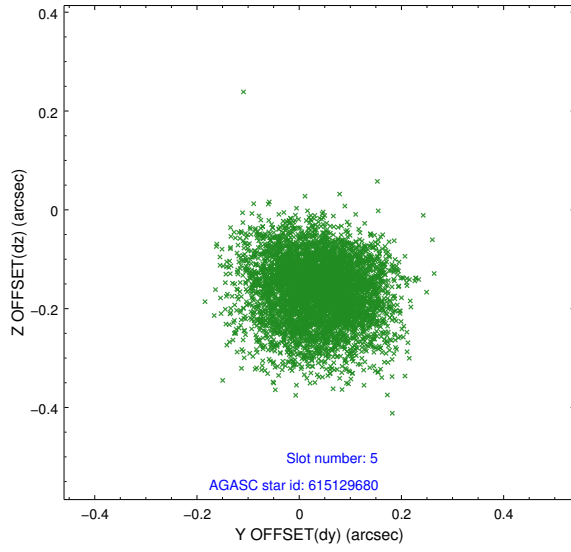
2.4.1 Slot 3



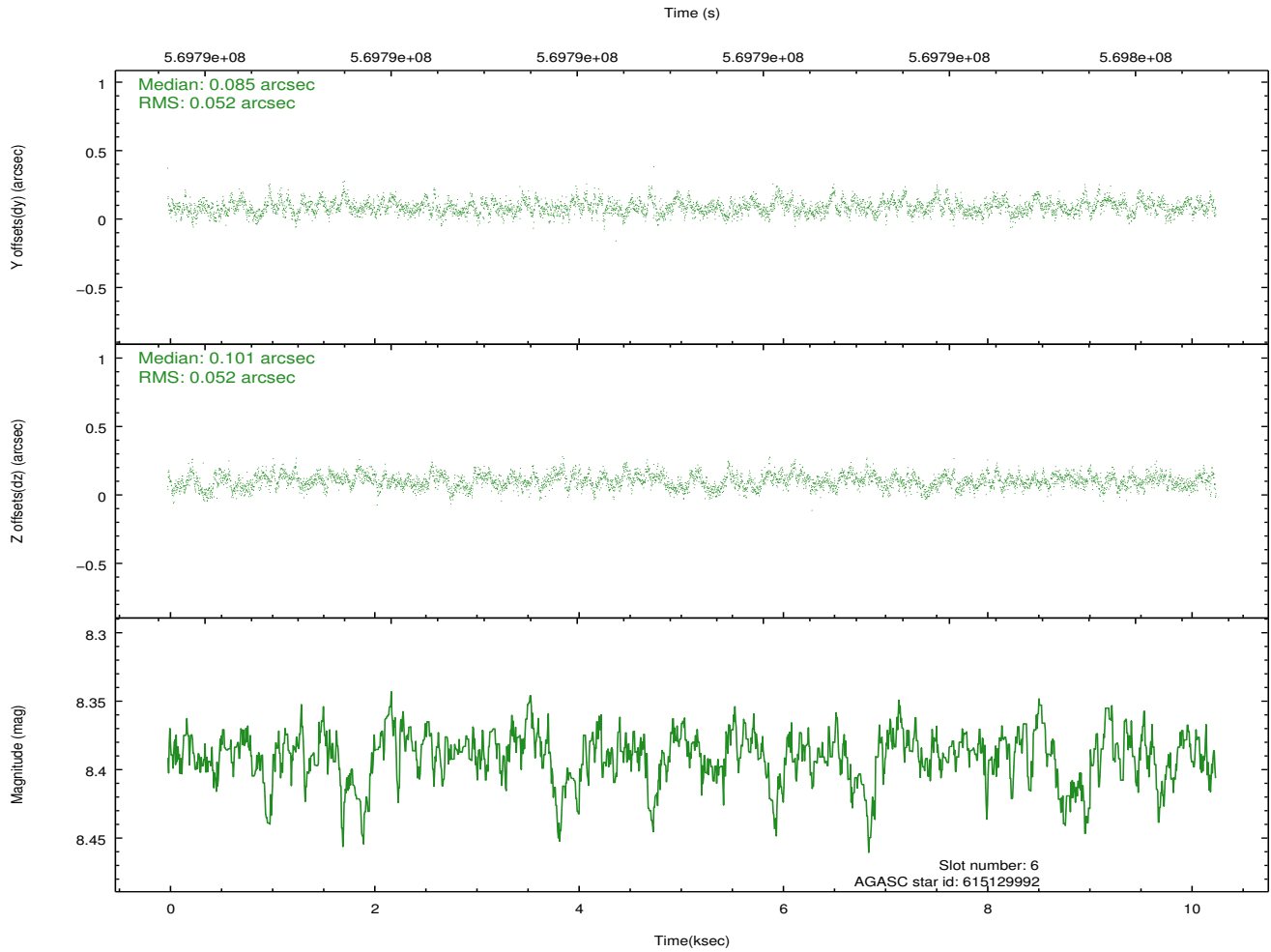
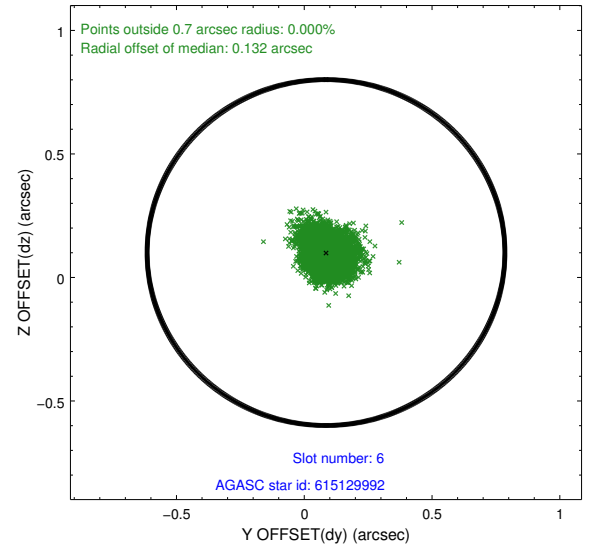
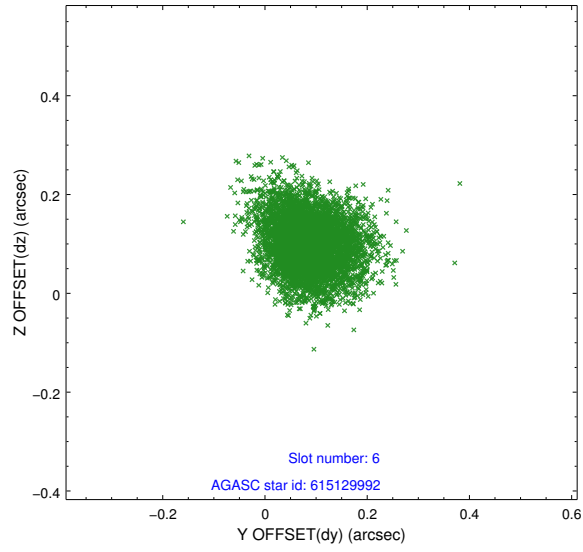
2.4.2 Slot 4



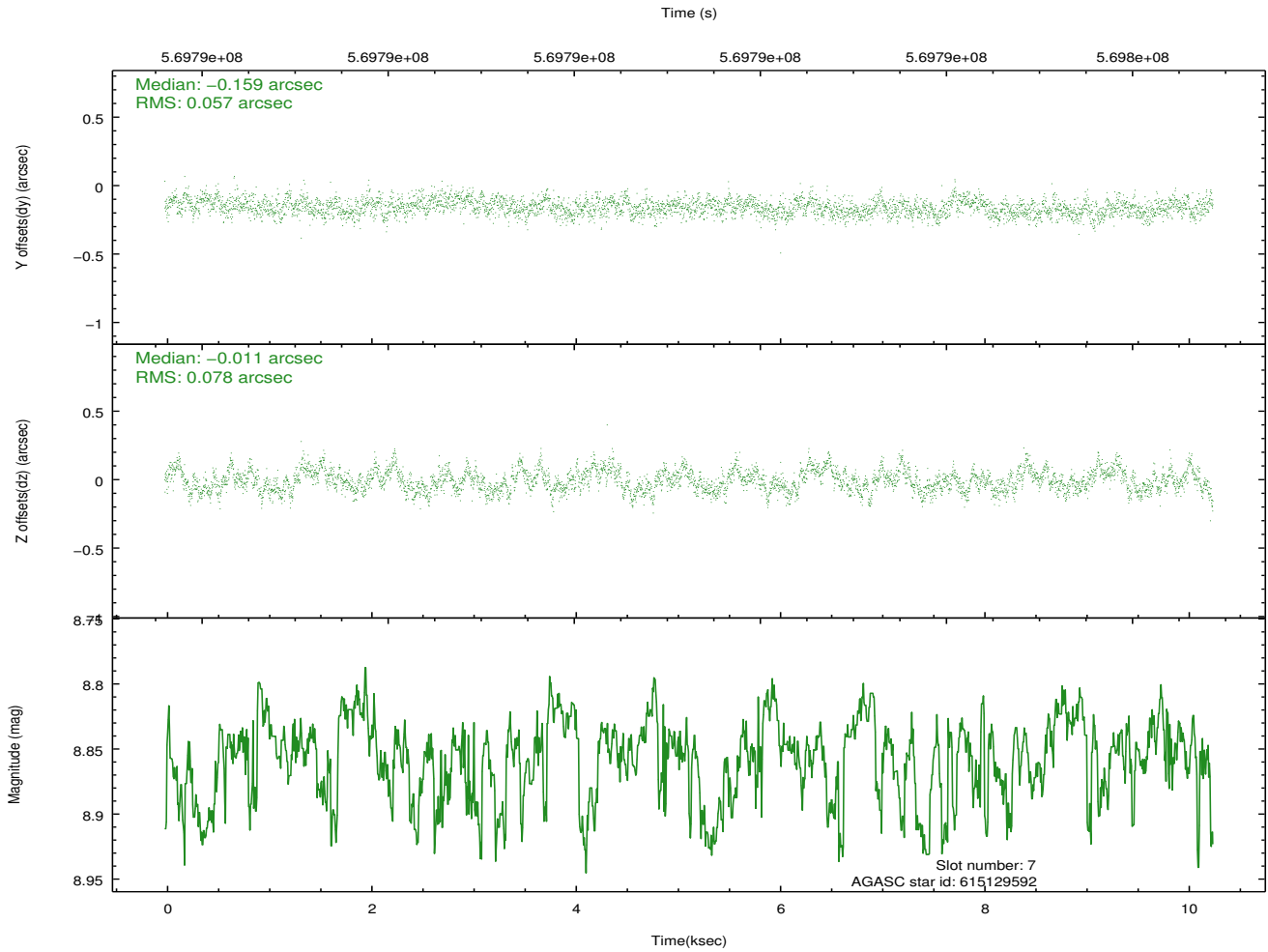
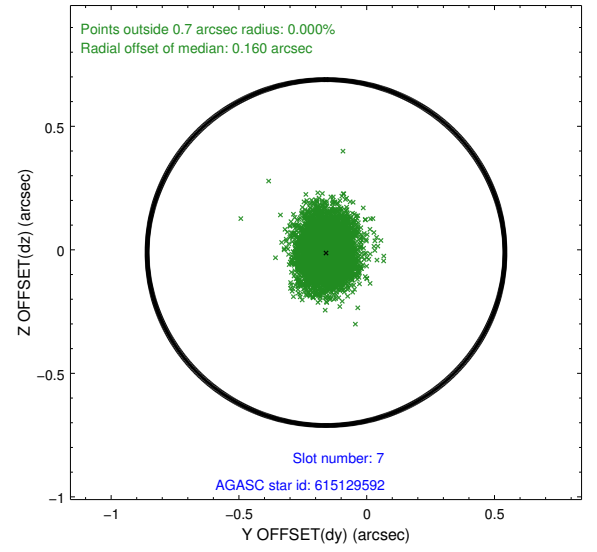
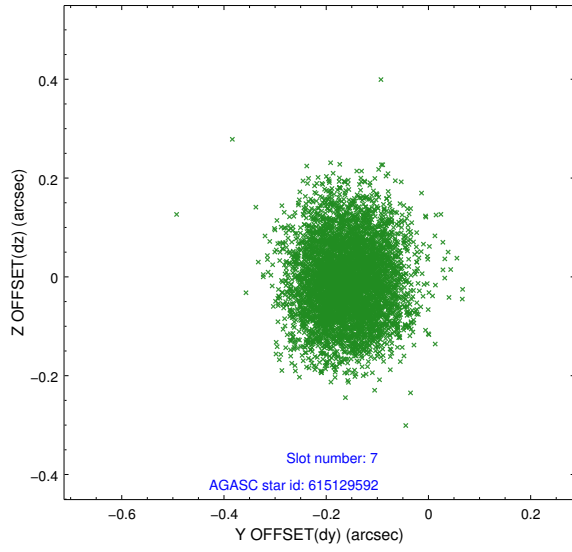
2.4.3 Slot 5



2.4.4 Slot 6

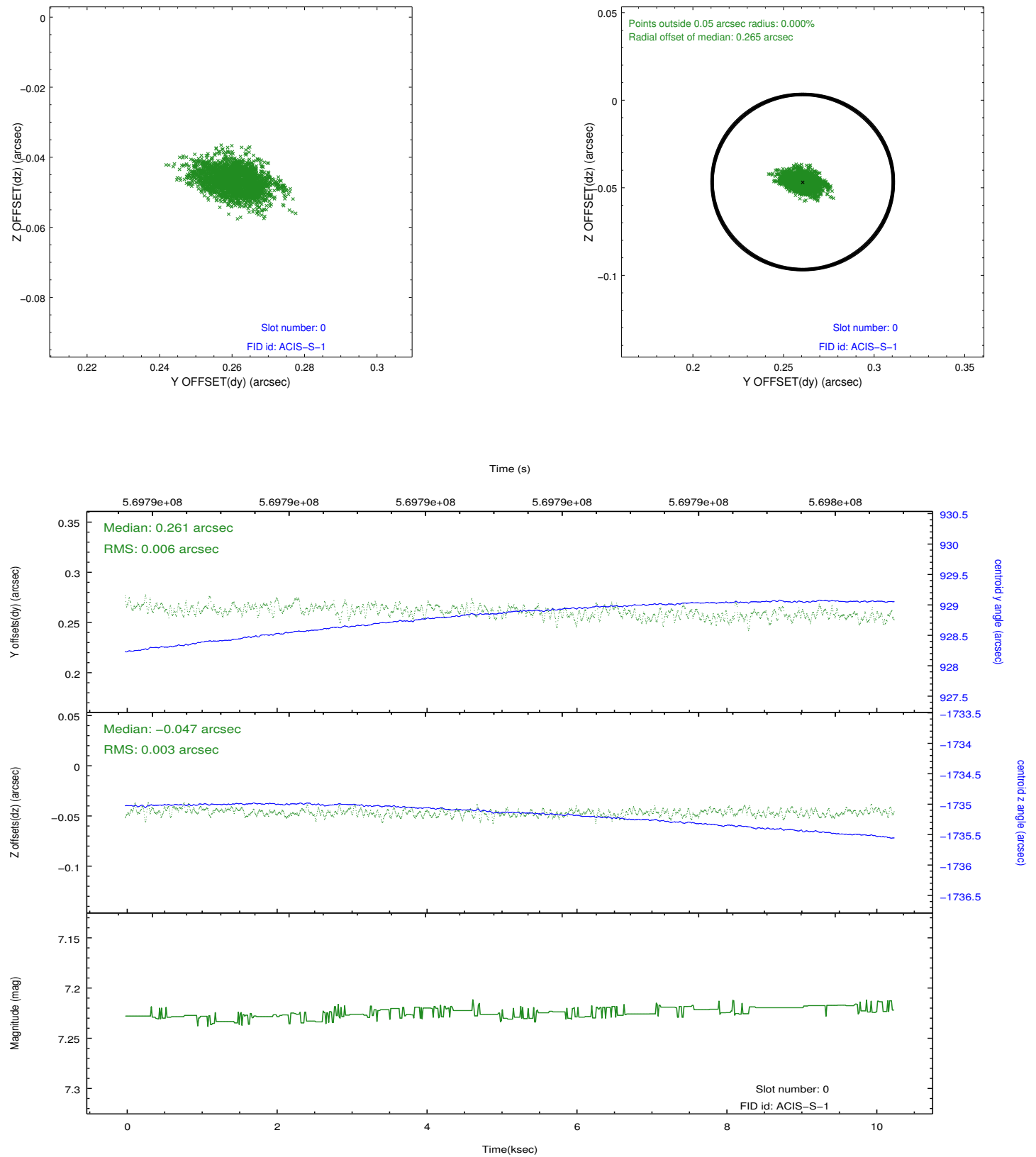


2.4.5 Slot 7

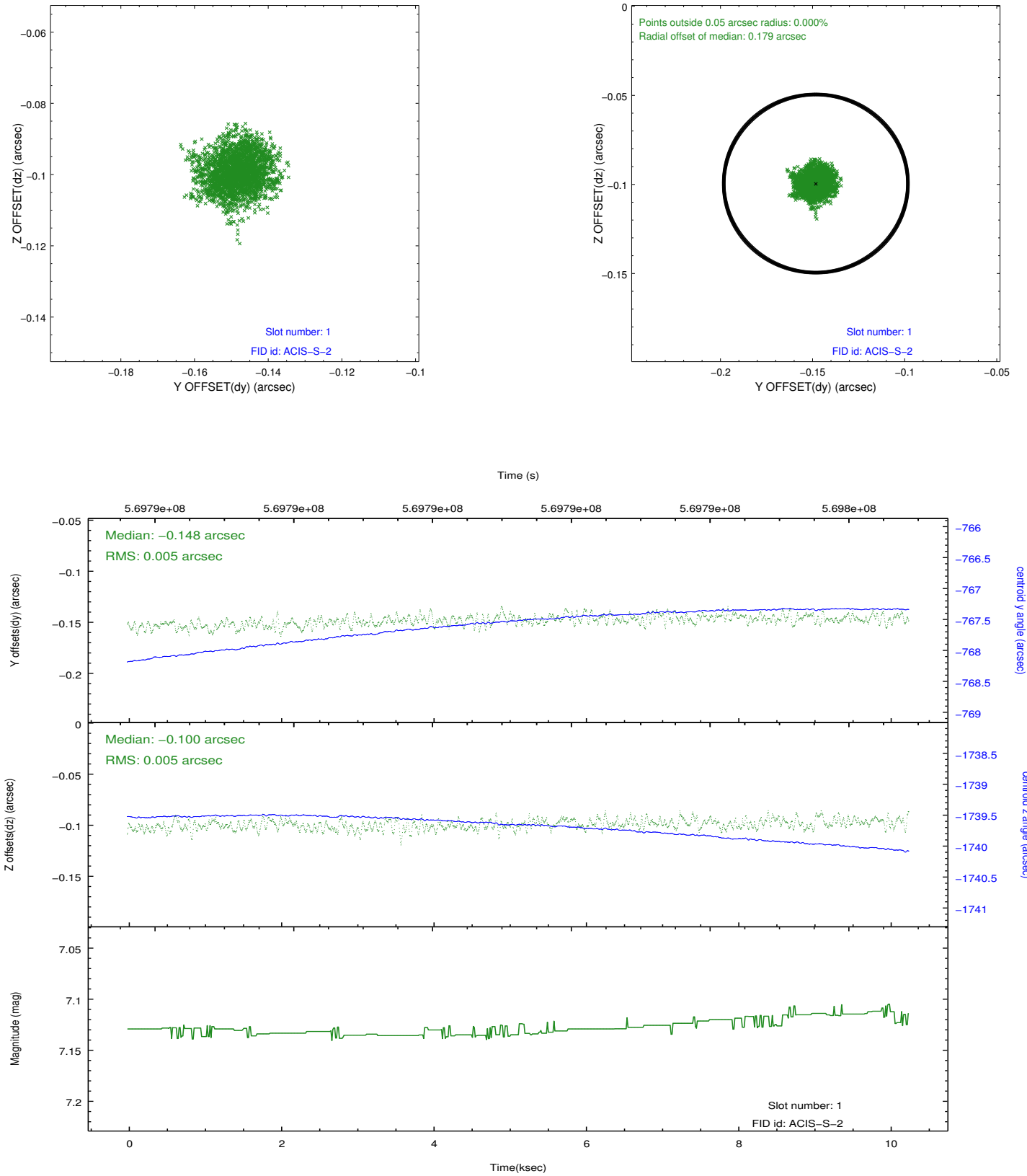


2.5 FID Slots

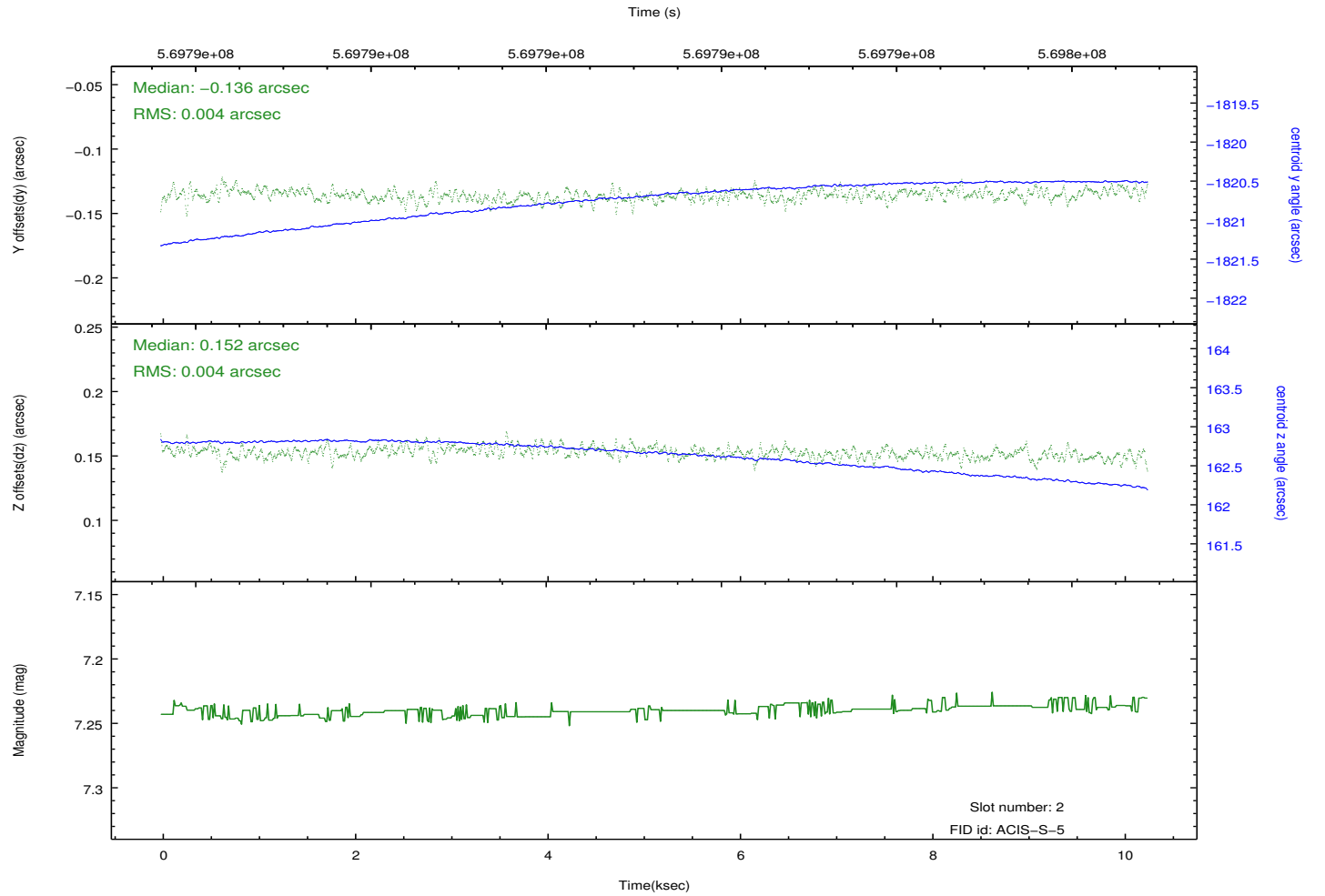
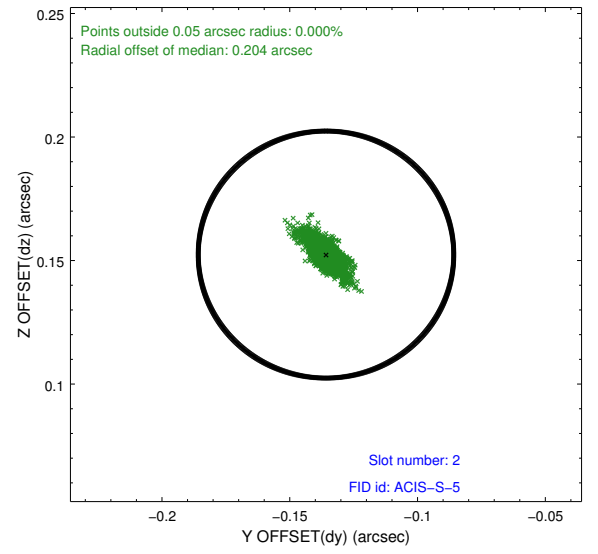
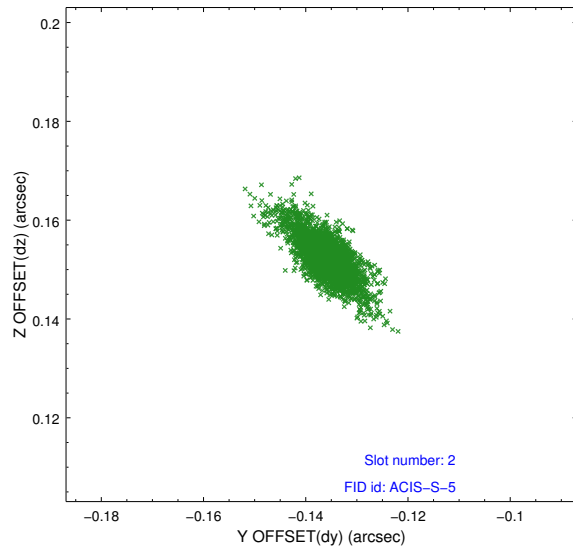
2.5.1 Slot 0



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)	2016.01.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.059500077486

A.2 Comments