

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19730 - L2 Version 1
Chandra X-Ray Center

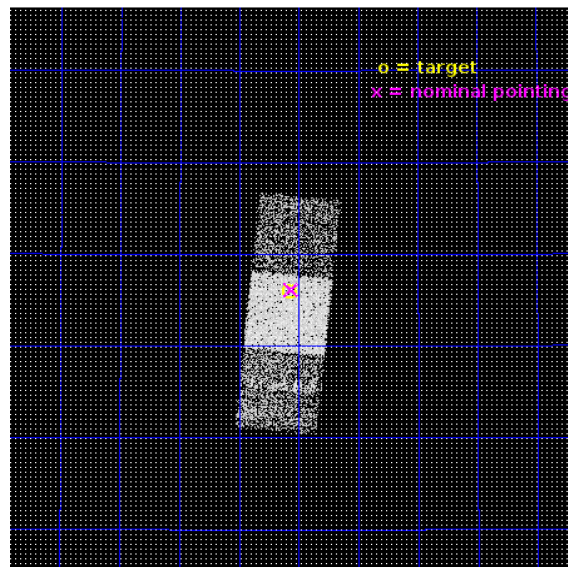
L2 Processing Date : Jul 7 2017

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1 Front

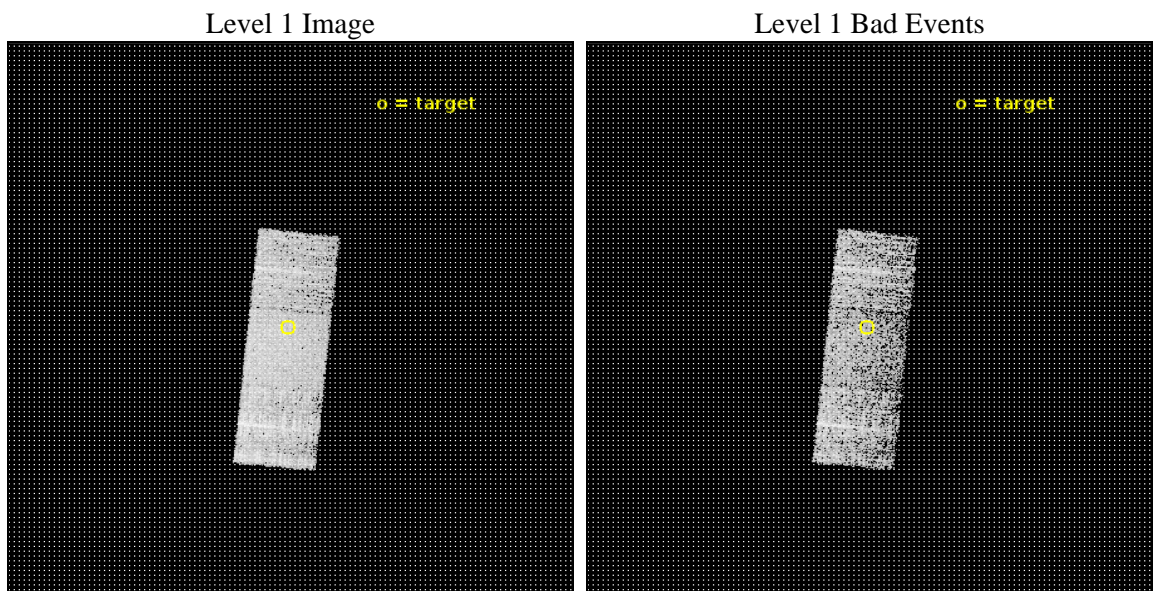
seq_num	703445	Sequence number
obs_id	19730	Observation id
title	A Chandra Snapshot Survey of Extraordinarily Luminous and Heavily Obscured Quasars from the WISE Survey	Proposal title
observer	Gordon Garmire	Principal investigator
object	W0255+3345	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	43.895417	Observer's specified target RA [deg]
dec_targ	33.766056	Observer's specified target Dec [deg]
ra_nom	43.890366659167	Nominal RA [deg]
dec_nom	33.768733372889	Nominal Dec [deg]
roll_nom	95.861909563594	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3115.3936388493	Sum of GTIs [s]
livetime	3074.6887274383	Livetime [s]
ontime6	3115.3525989056	Sum of GTIs [s]
ontime7	3115.3936388493	Sum of GTIs [s]
ontime8	3115.3115588427	Sum of GTIs [s]
l2events	17649	Number of level 2 events



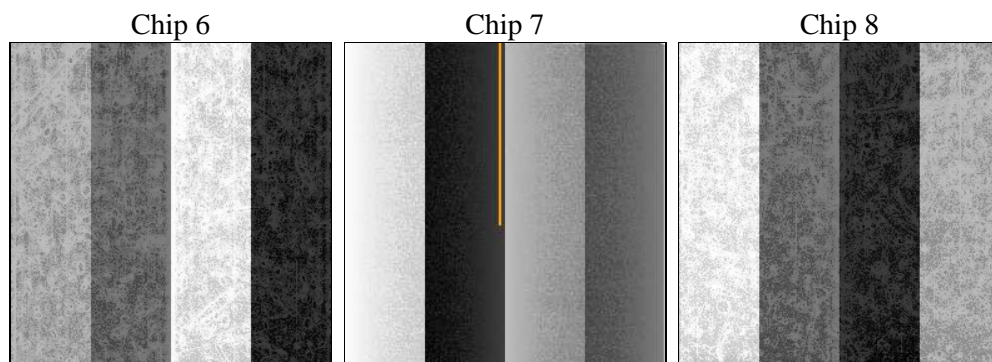
2 OBI

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	10.6	Processing system revision	ontime	3115.3936388493	Sum of GTIs [s]
caldsver	4.7.5	 	ontime6	3115.3525989056	Sum of GTIs [s]
date	2017-07-07T13:37:01	Date and time of file creation	ontime7	3115.3936388493	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	3115.3115588427	Sum of GTIs [s]
			l1events	79734	Number of level 1 events

2.1.4 Events

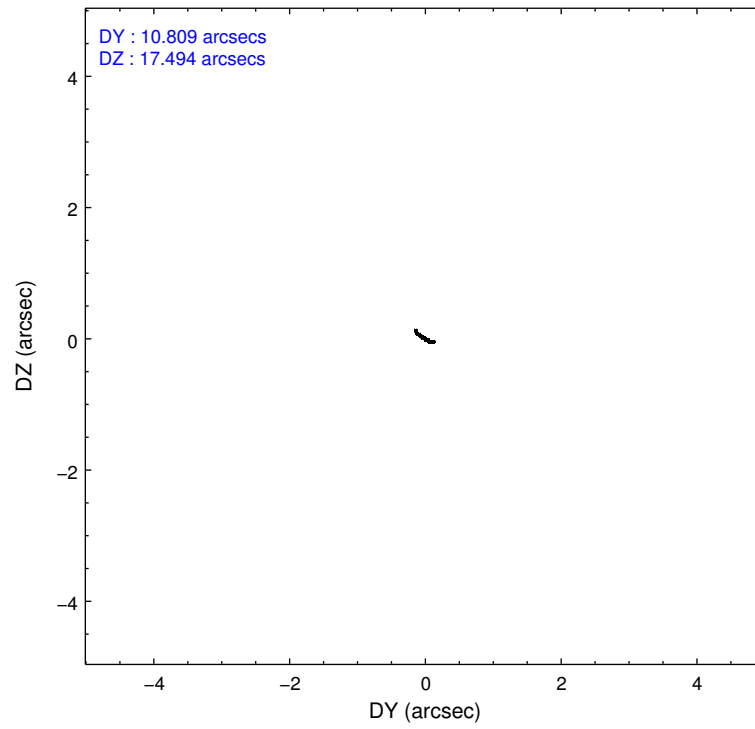
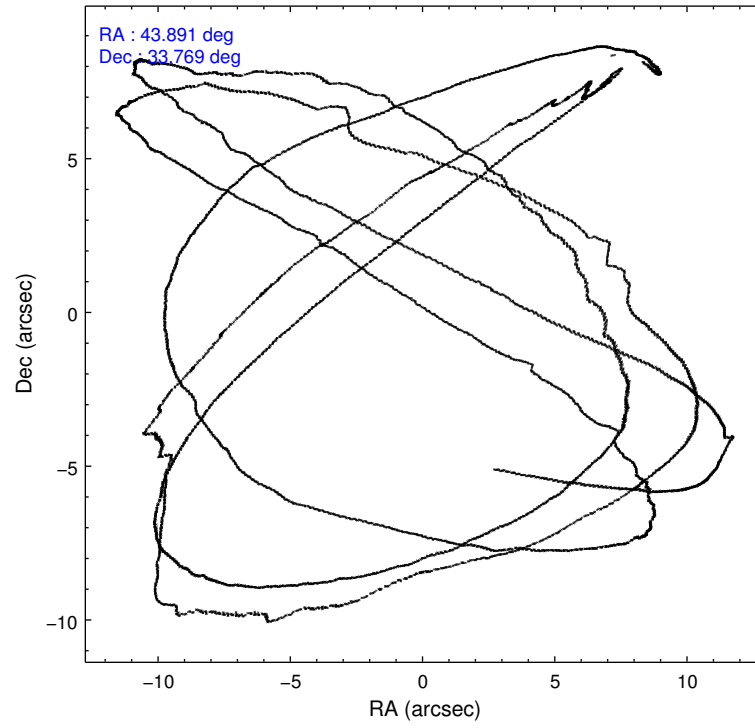
	ccd 6	ccd 7	ccd 8
level 1 events	21872	28103	29759
rejected events	19427	15376	21041
rejected %	88%	54%	70%

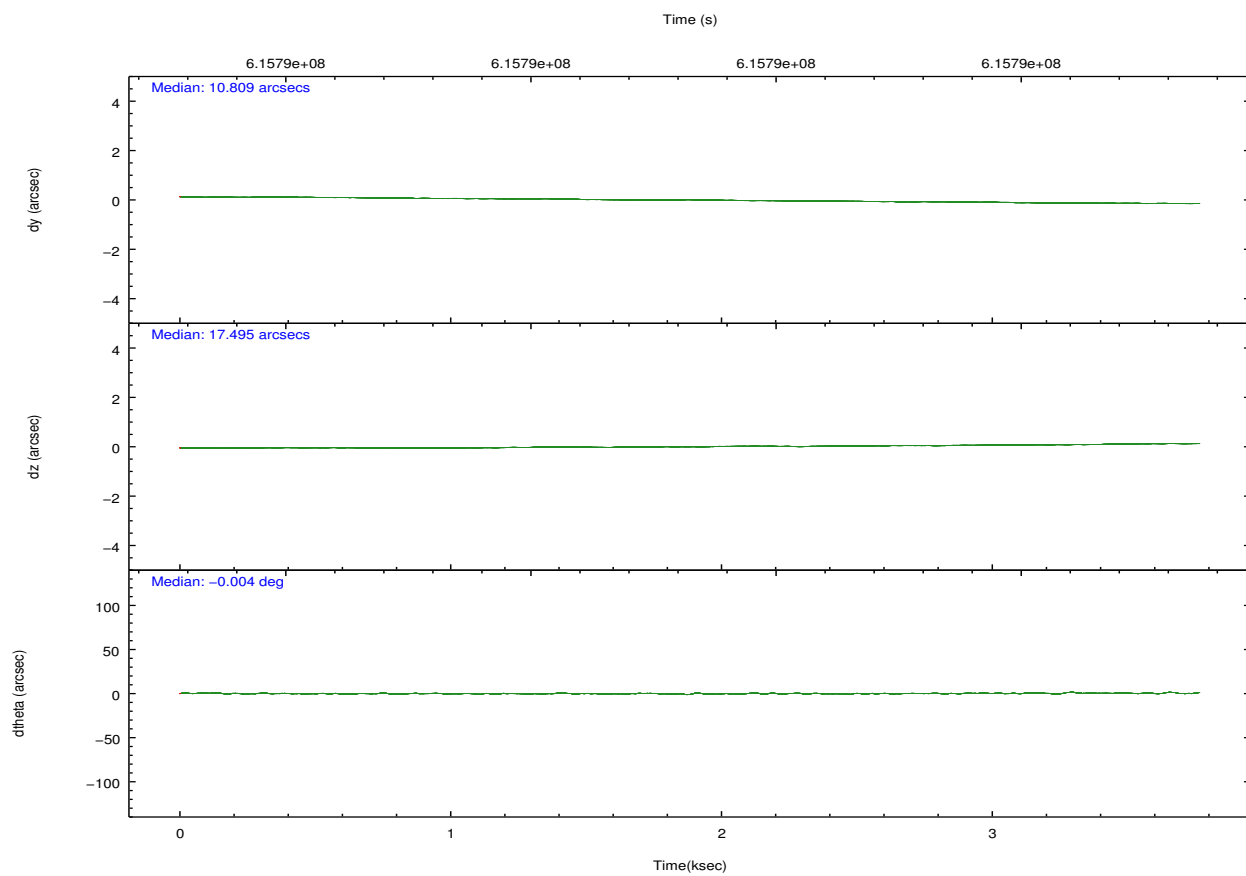
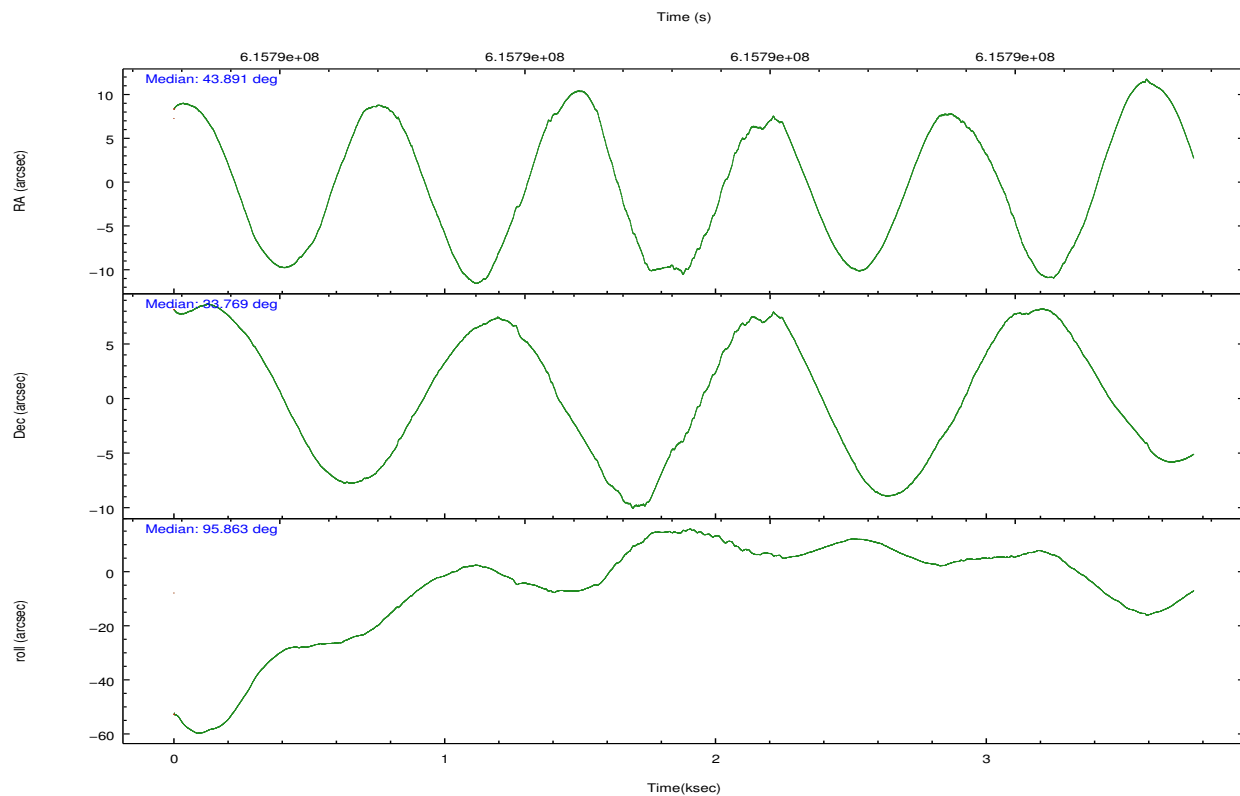
	ccd 6	ccd 7	ccd 8
grade 0 events	784	1108	2588
	3%	3%	8%
grade 1 events	14	34	24
	0%	0%	0%
grade 2 events	563	2743	2031
	2%	9%	6%
grade 3 events	253	1061	860
	1%	3%	2%
grade 4 events	258	963	862
	1%	3%	2%
grade 5 events	1104	2834	1539
	5%	10%	5%
grade 6 events	587	6868	2378
	2%	24%	7%
grade 7 events	18309	12492	19477
	83%	44%	65%

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	43.910012	43.89036665916722	Subarray requested	NONE	NONE
[deg] Pointing Dec	33.746687	33.76873337288905	Alternating exposures requested	N	N
[deg] Pointing Roll	95.694296	95.86190956359437	[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)	615790529.184000	615789317.37749			
Observation start date	2017-07-07T04:54:20	2017-07-07T04:35:17			
[s] Observation end time (MET)	615793529.184000	615794298.36528			
Observation end date	2017-07-07T05:44:20	2017-07-07T05:58:18			
Read mode	TIMED	TIMED			

2.3 Aspect



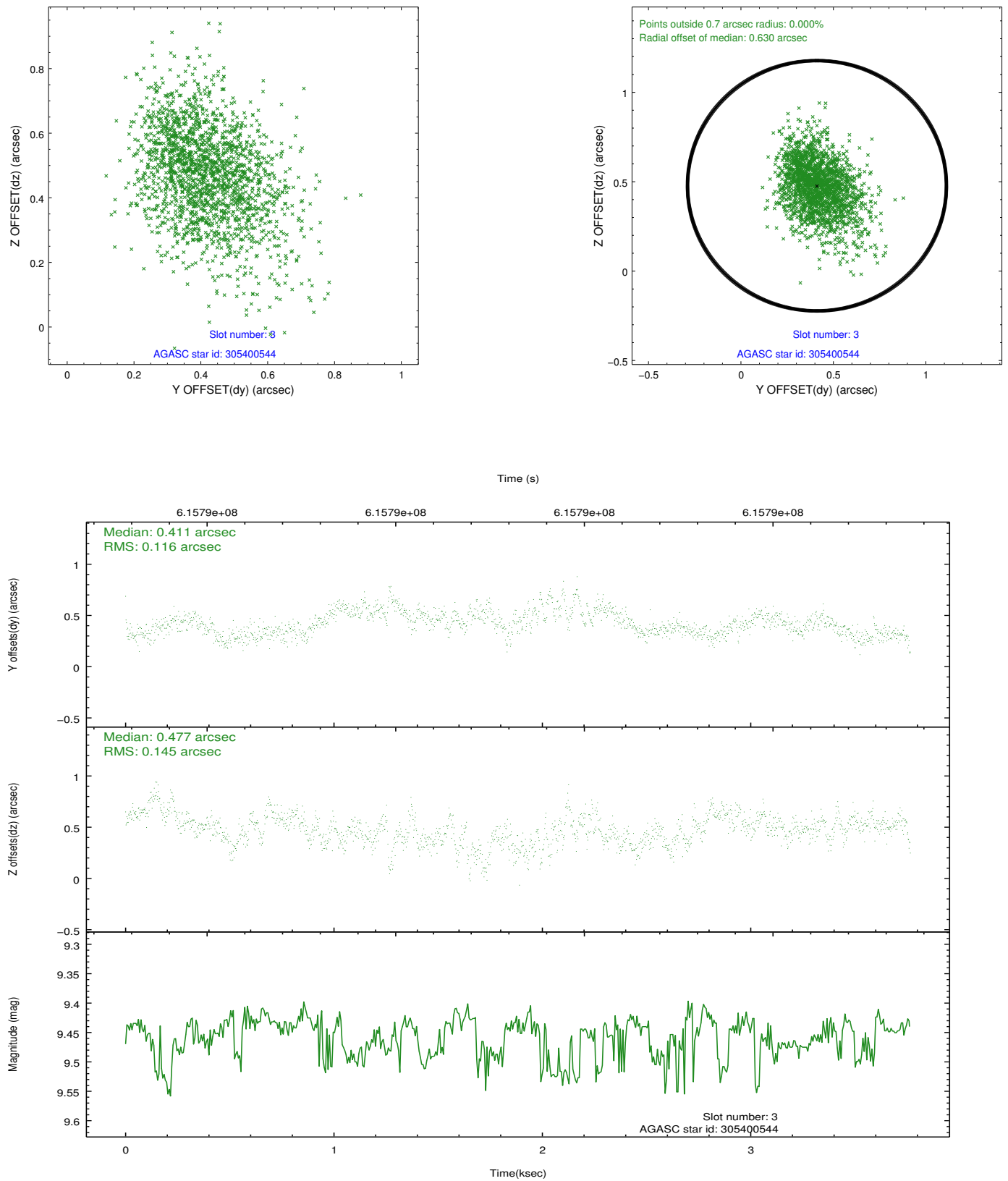


Slot Statistics

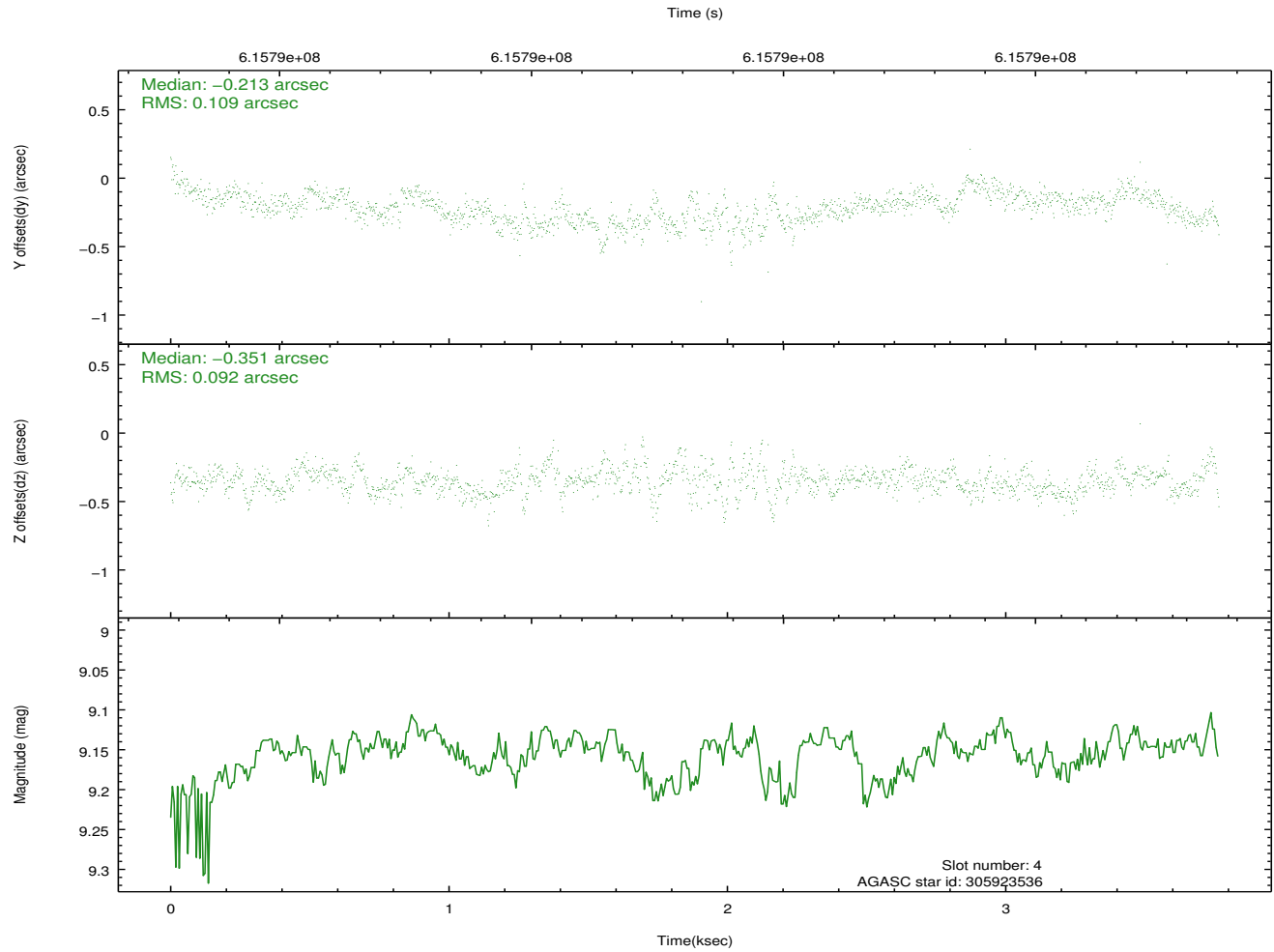
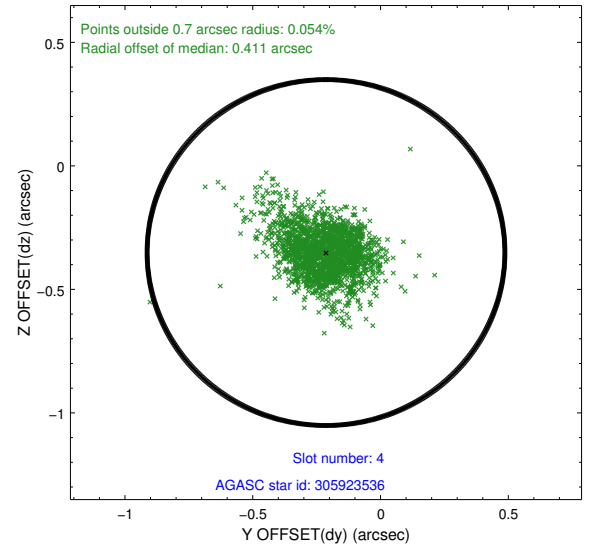
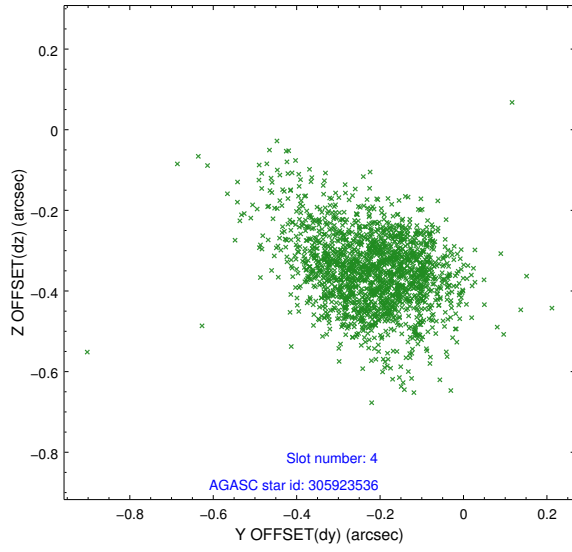
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.94	919	-0.153	-0.072	0.008	0.017	0.000000	0.000000	-763.82	-1739.02
1	FID		ACIS-S-4	7.06	919	0.379	0.094	0.005	0.009	0.000000	0.000000	2149.24	167.88
2	FID		ACIS-S-5	7.06	919	-0.257	-0.012	0.008	0.016	0.000000	0.000000	-1814.62	163.36
3	GUIDE	used	305400544	9.45	1837	0.411	0.477	0.192	0.335	44.759818	33.415592	-1428.21	-2423.10
4	GUIDE	used	305923536	9.15	1836	-0.213	-0.351	0.142	0.249	43.466747	34.044339	1199.68	1207.72
5	GUIDE	used	305927584	7.16	1838	-0.031	-0.037	0.125	0.230	44.494163	34.231260	1568.94	-1903.00
6	GUIDE	used	305928400	8.24	1838	0.076	-0.052	0.138	0.256	44.305159	33.960436	652.12	-1251.64
7	GUIDE	used	305928800	9.34	1832	-0.245	-0.032	0.201	0.353	43.924824	34.345769	2142.20	-258.27

2.4 Star Slots

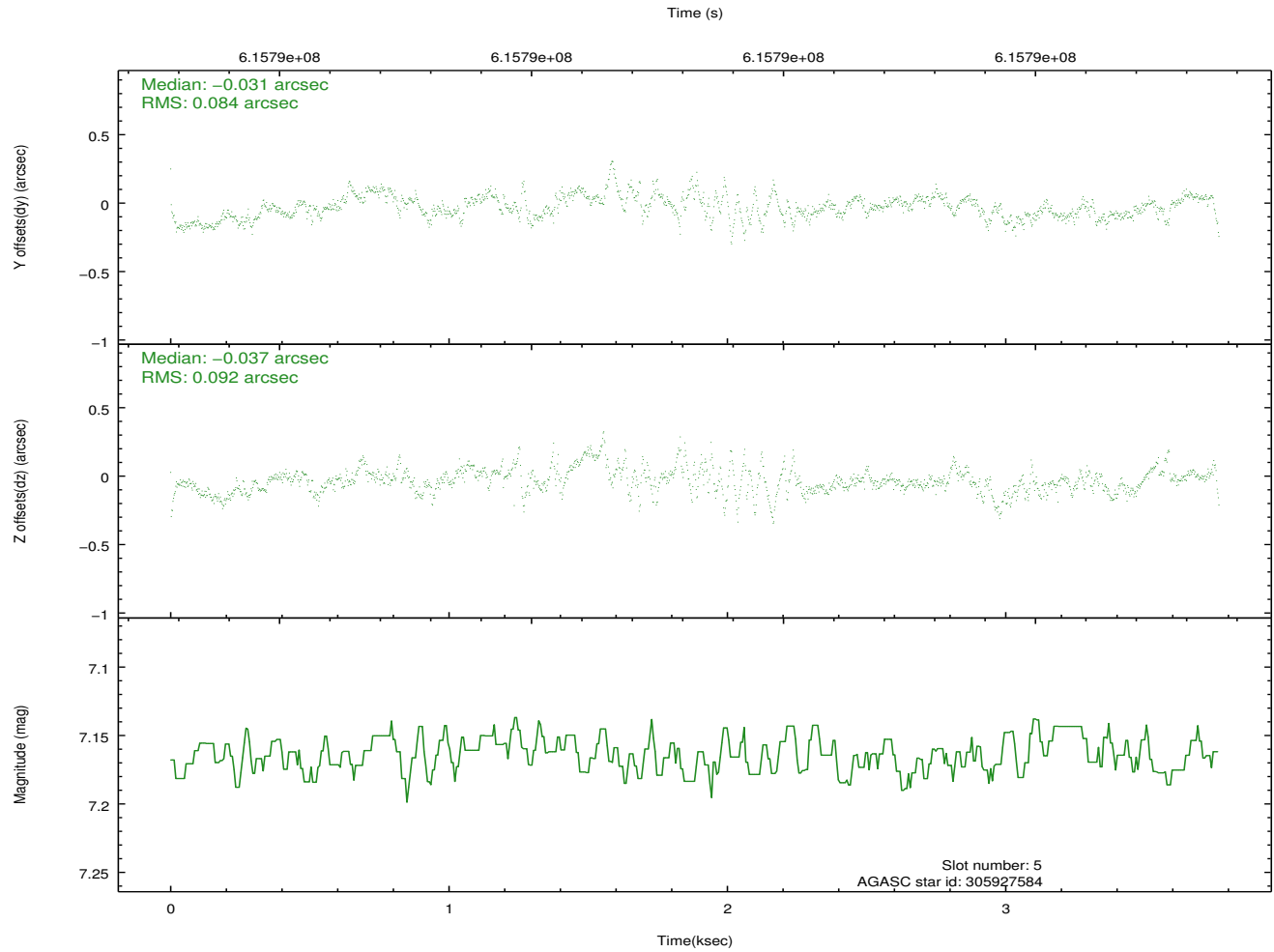
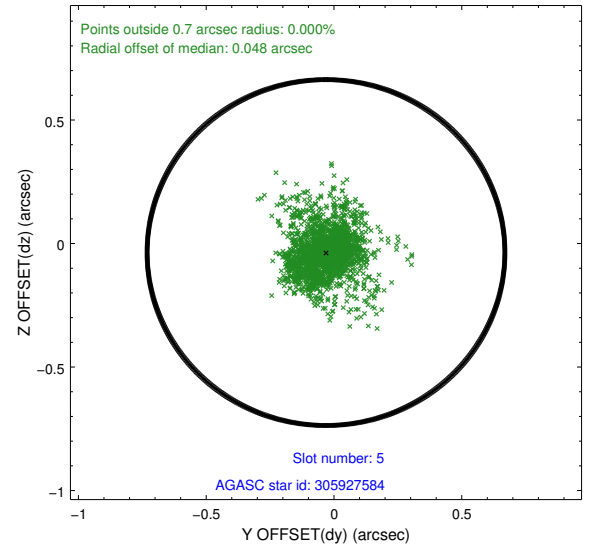
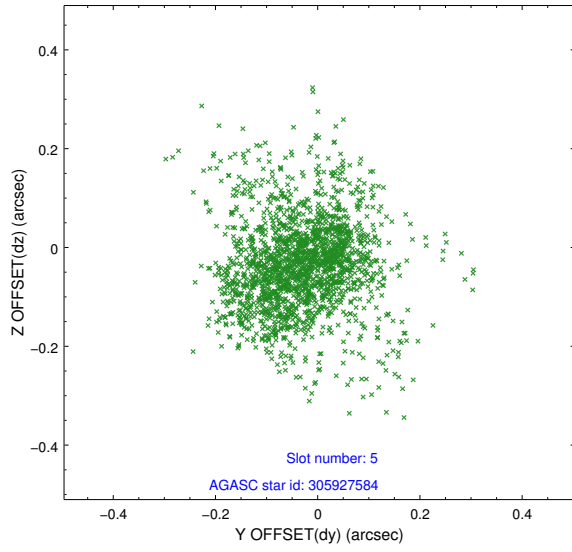
2.4.1 Slot 3



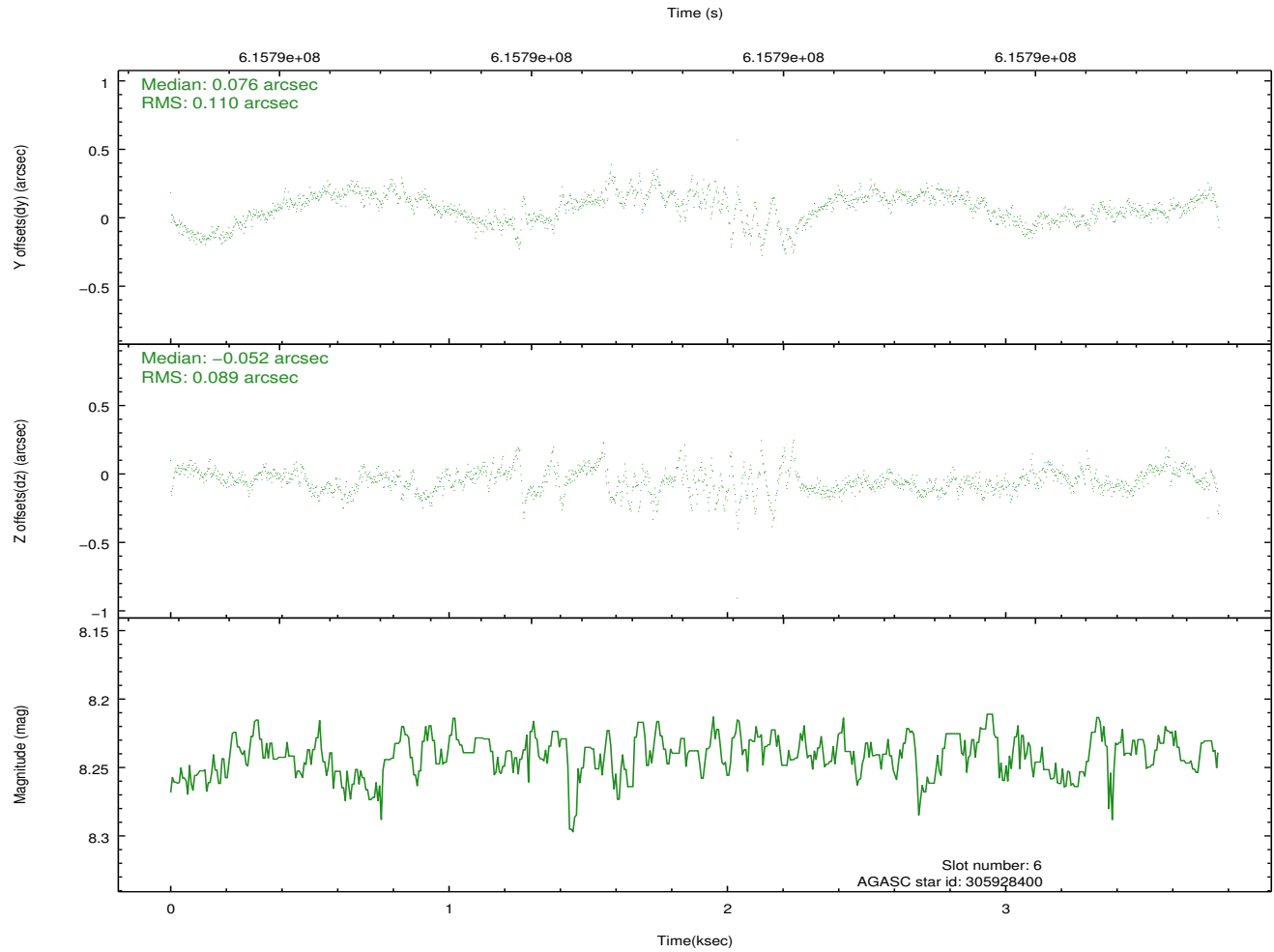
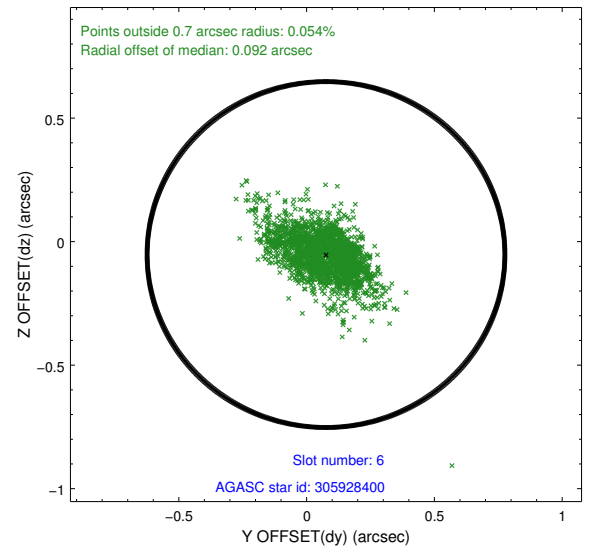
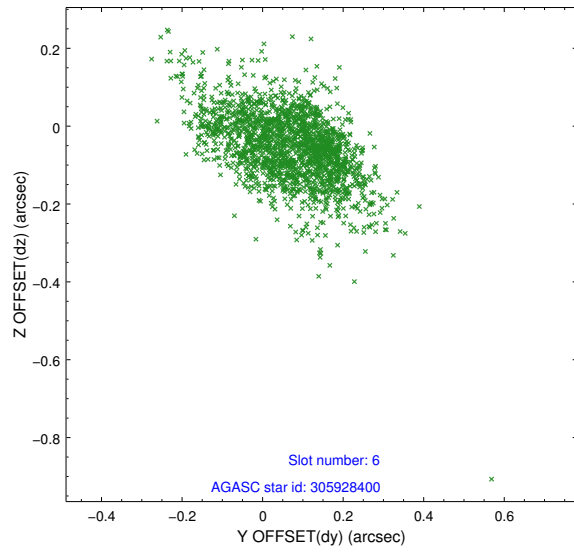
2.4.2 Slot 4



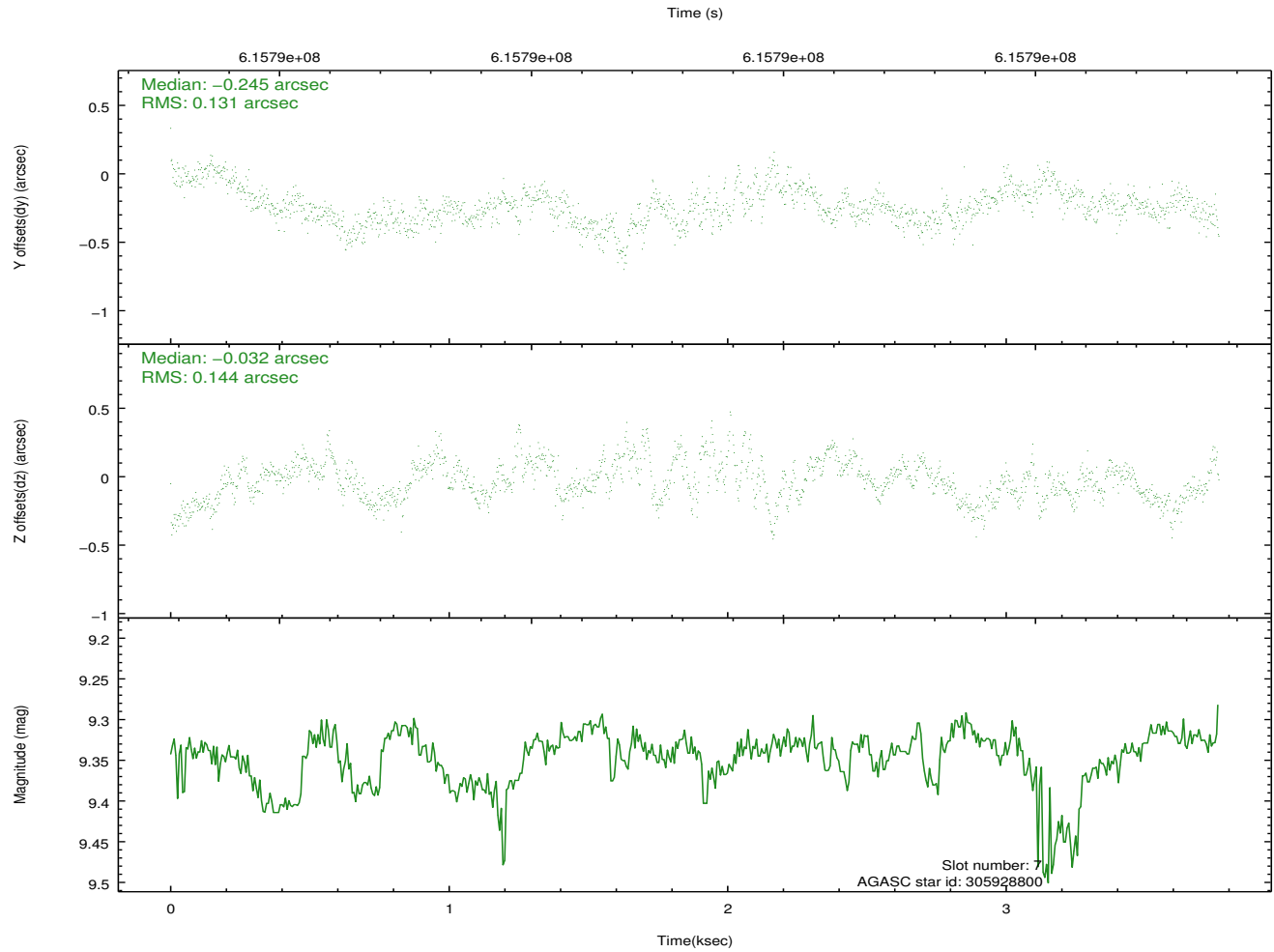
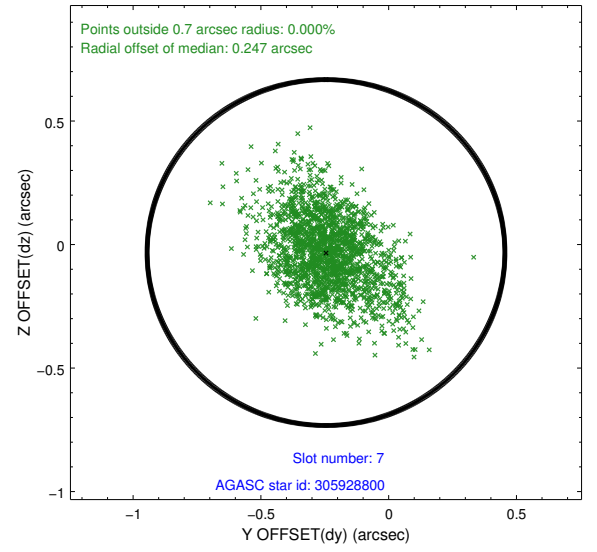
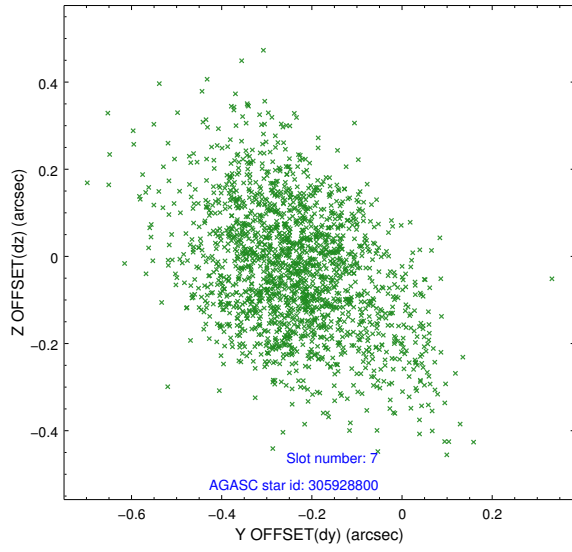
2.4.3 Slot 5



2.4.4 Slot 6

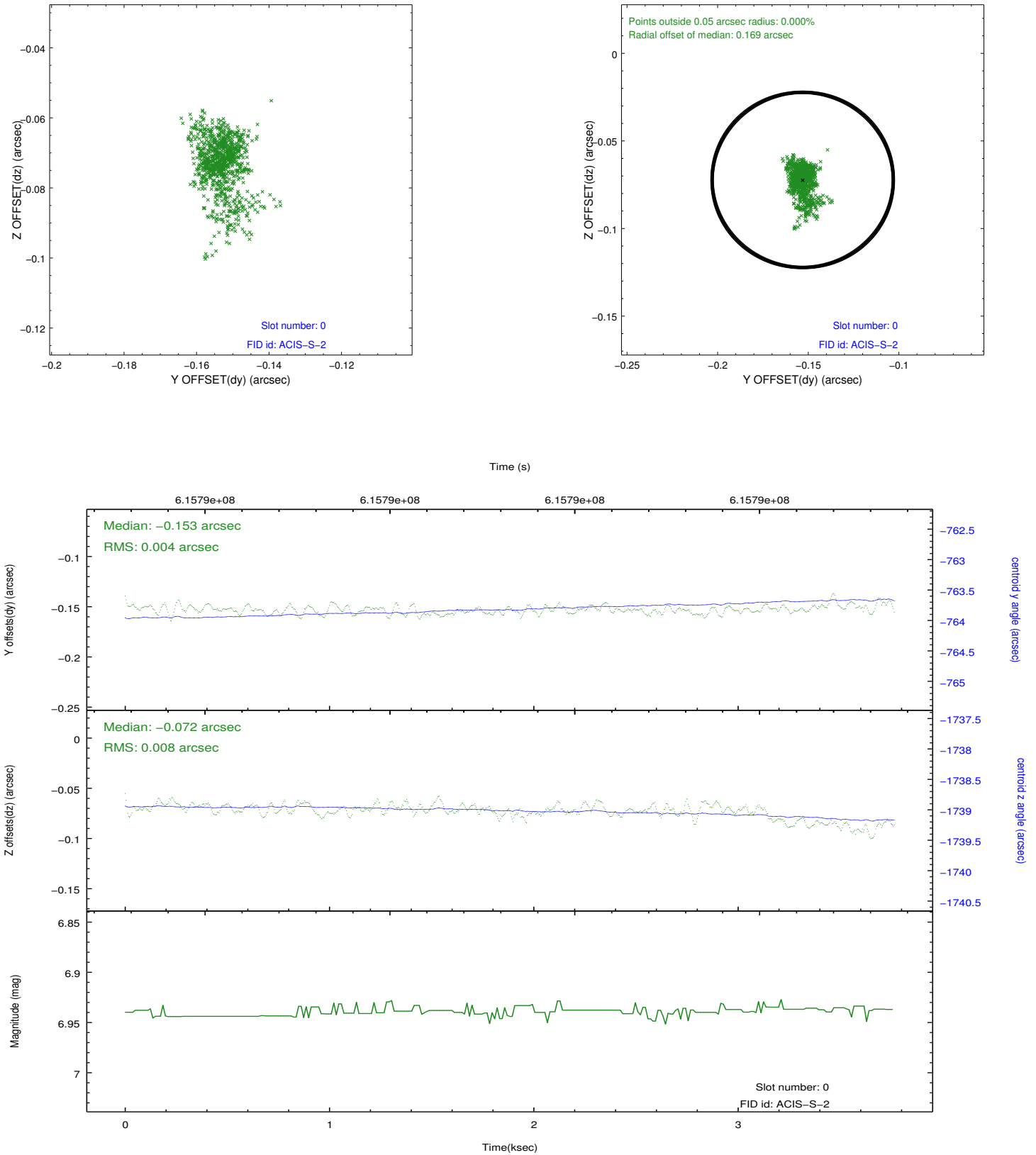


2.4.5 Slot 7

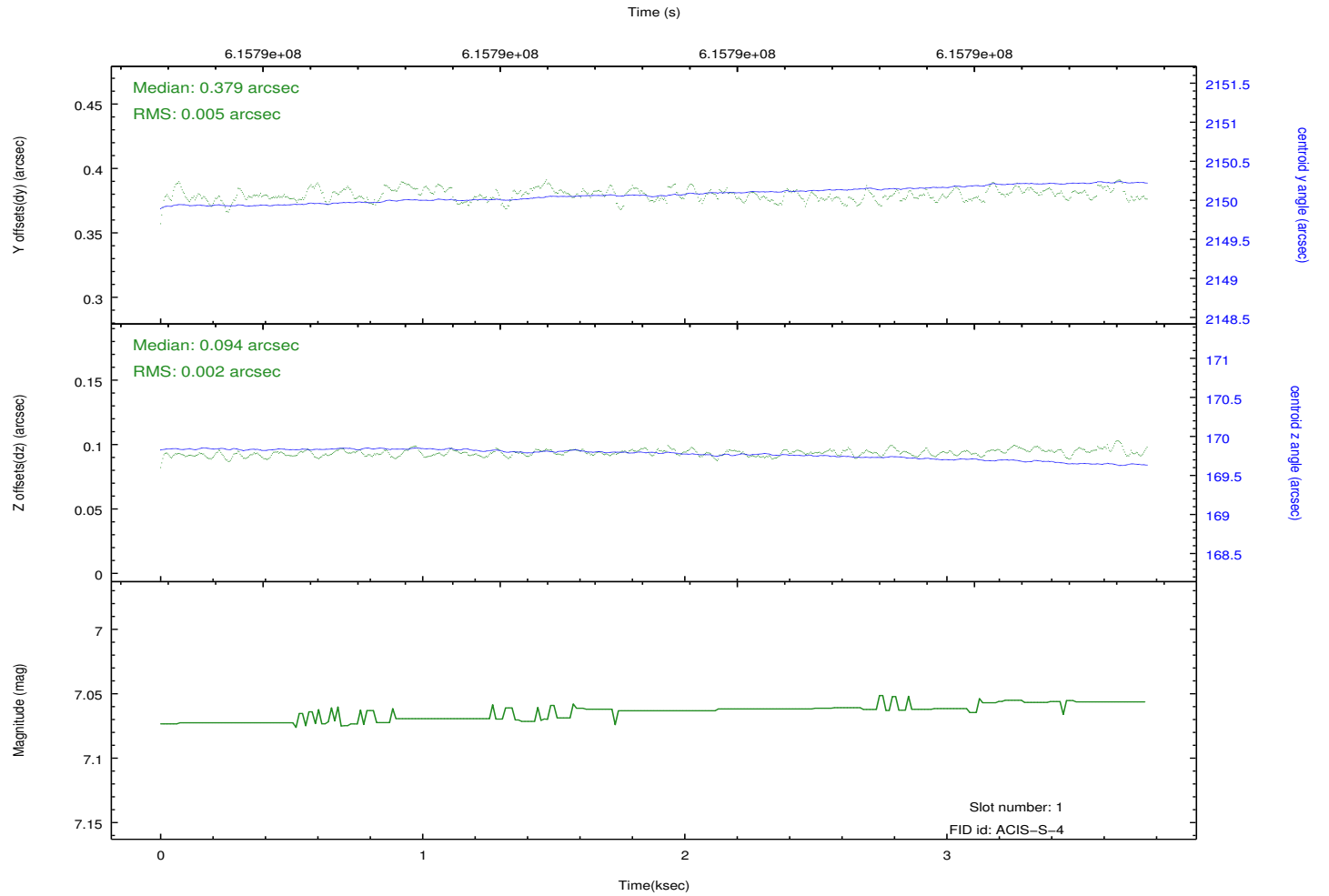
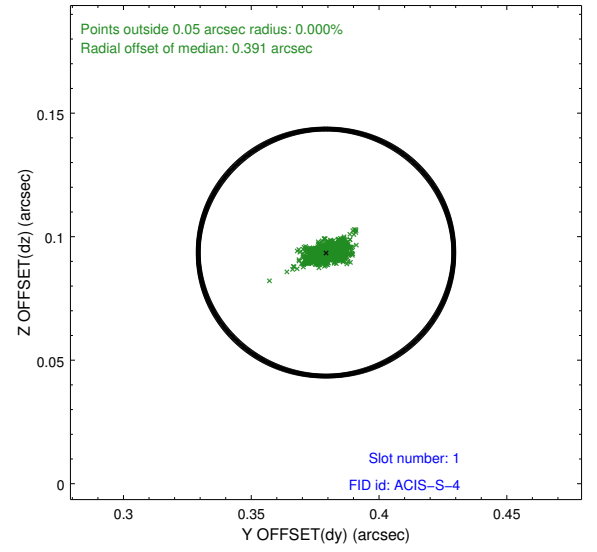
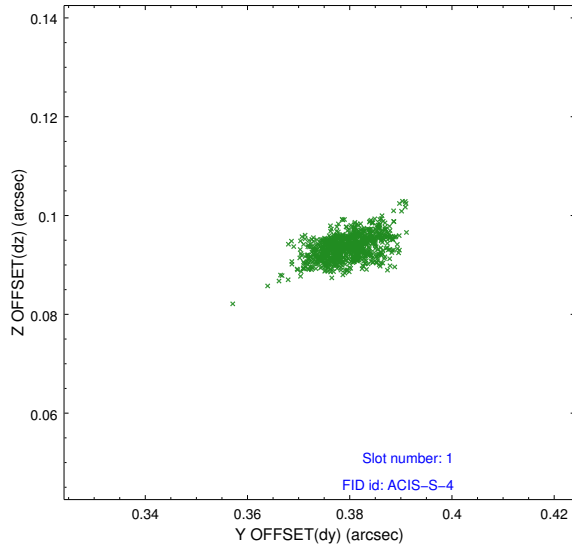


2.5 FID Slots

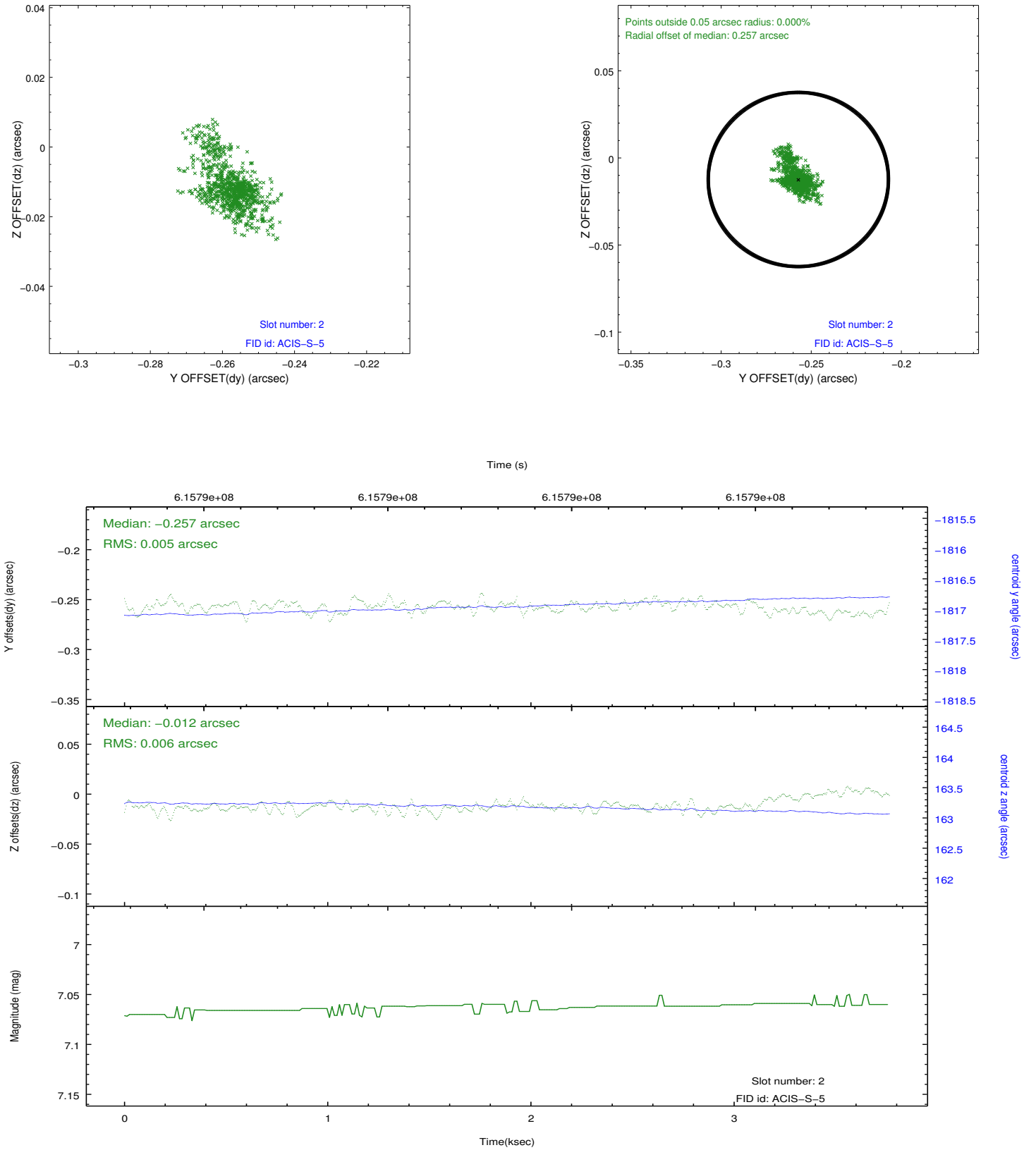
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2017.07.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1153936388493

A.2 Comments