

V&V Reference Report

L2 ASCDS Version : 10.6.4.1

Observation 21468 - L2 Version 1
Chandra X-Ray Center

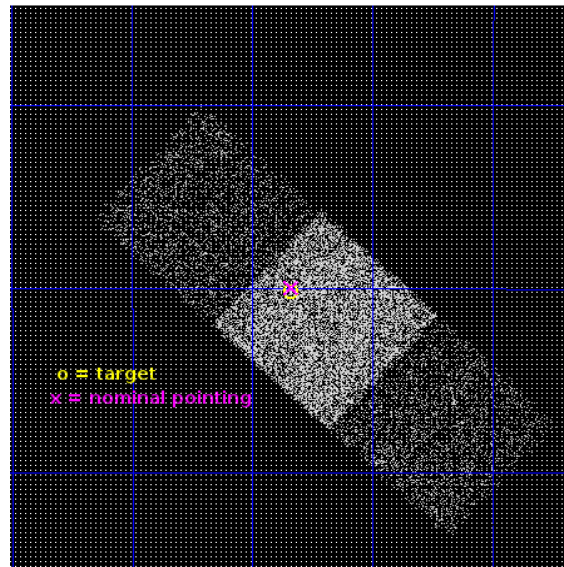
L2 Processing Date : Oct 25 2018

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1 Front

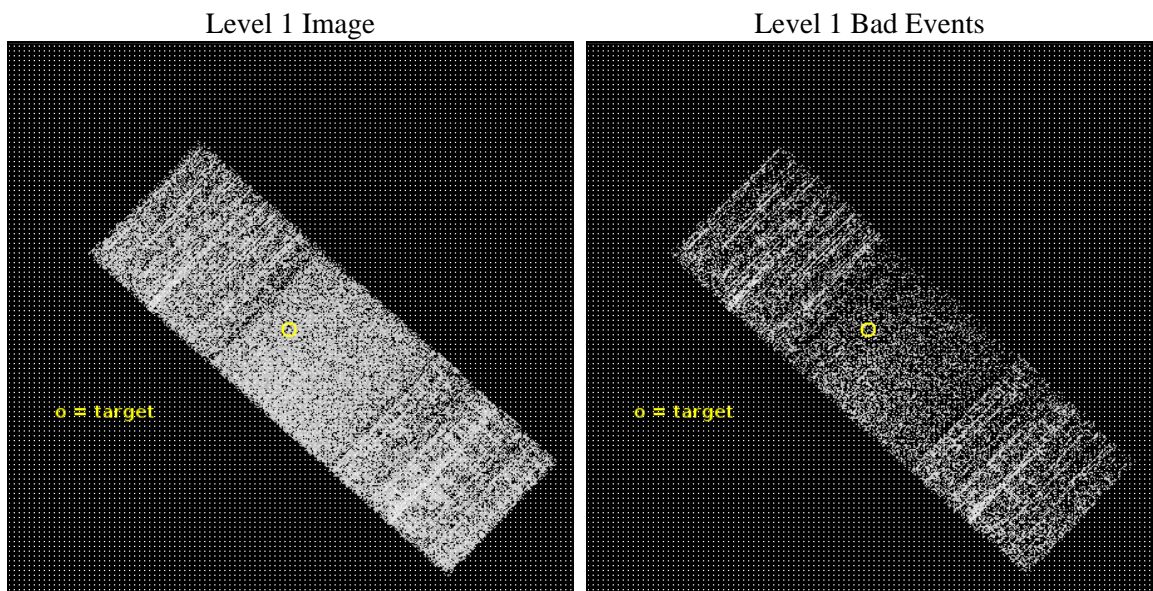
seq_num	703764	Sequence number
obs_id	21468	Observation id
title	RUNAWAY TIDAL CAPTURE IN NUCLEAR STAR CLUSTERS AS A FORMATION PATHWAY FOR MASSIVE BLACK HOLES	Proposal title
observer	Vivienne Baldassare	Principal investigator
object	ESO359-G029	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	63.210417	Observer's specified target RA [deg]
dec_targ	-33.003333	Observer's specified target Dec [deg]
ra_nom	63.209283735178	Nominal RA [deg]
dec_nom	-32.999148717128	Nominal Dec [deg]
roll_nom	42.915481725533	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3109.3000240326	Sum of GTIs [s]
livetime	3068.6747301852	Livetime [s]
ontime6	3109.3000240326	Sum of GTIs [s]
ontime7	3109.3000240326	Sum of GTIs [s]
ontime8	3109.3000240326	Sum of GTIs [s]
l2events	17351	Number of level 2 events



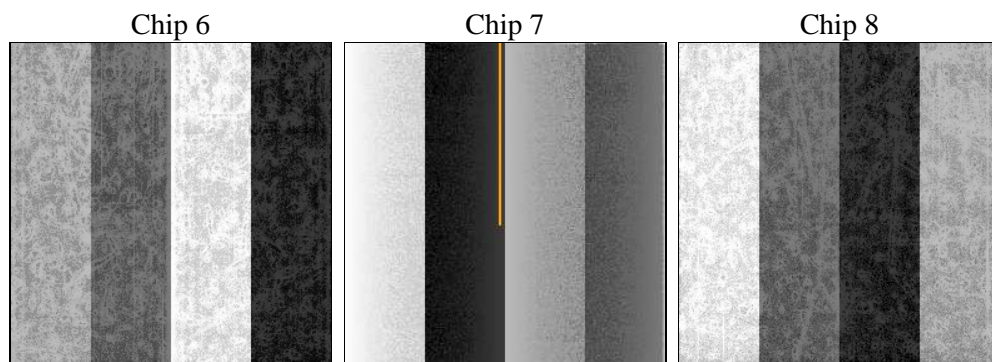
2 OBI

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	10.6.4.1	Processing system revision	ontime	3109.3000240326	Sum of GTIs [s]
caldsver	4.8.0.1	 	ontime6	3109.3000240326	Sum of GTIs [s]
date	2018-10-25T05:06:03	Date and time of file creation	ontime7	3109.3000240326	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	3109.3000240326	Sum of GTIs [s]
			l1events	85460	Number of level 1 events

2.1.4 Events

	ccd 6	ccd 7	ccd 8
level 1 events	24292	30083	31085
rejected events	21746	17067	23929
rejected %	89%	56%	76%

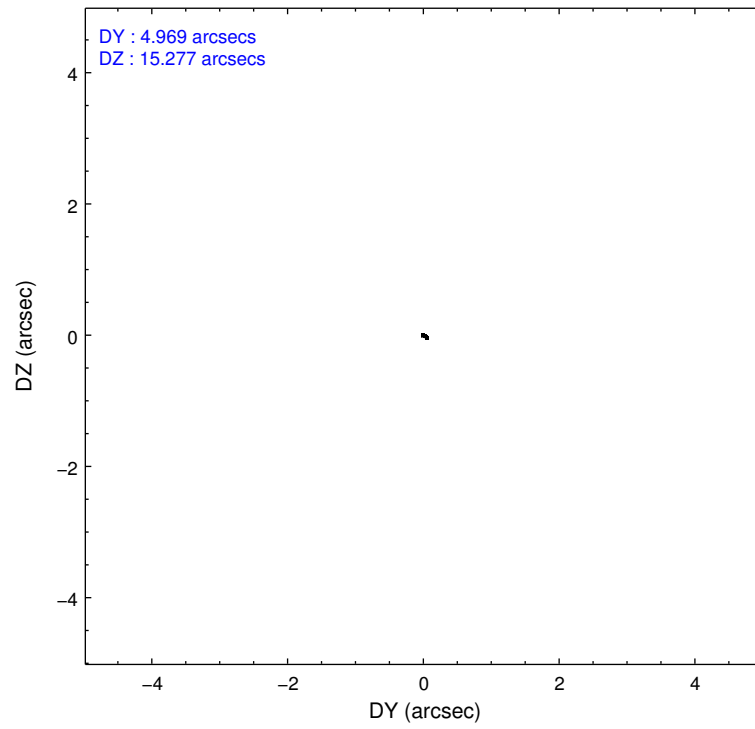
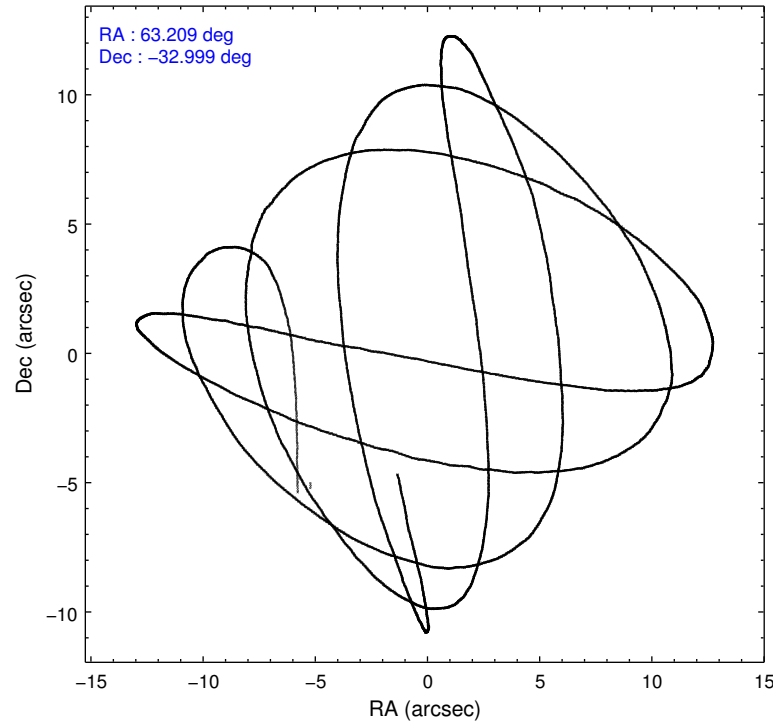
	ccd 6	ccd 7	ccd 8
grade 0 events	745	1074	1970
	3%	3%	6%
grade 1 events	10	38	25
	0%	0%	0%
grade 2 events	671	2697	1836
	2%	8%	5%
grade 3 events	220	1003	730
	0%	3%	2%
grade 4 events	204	969	672
	0%	3%	2%
grade 5 events	970	2859	1557
	3%	9%	5%
grade 6 events	709	7302	1985
	2%	24%	6%
grade 7 events	20763	14141	22310
	85%	47%	71%

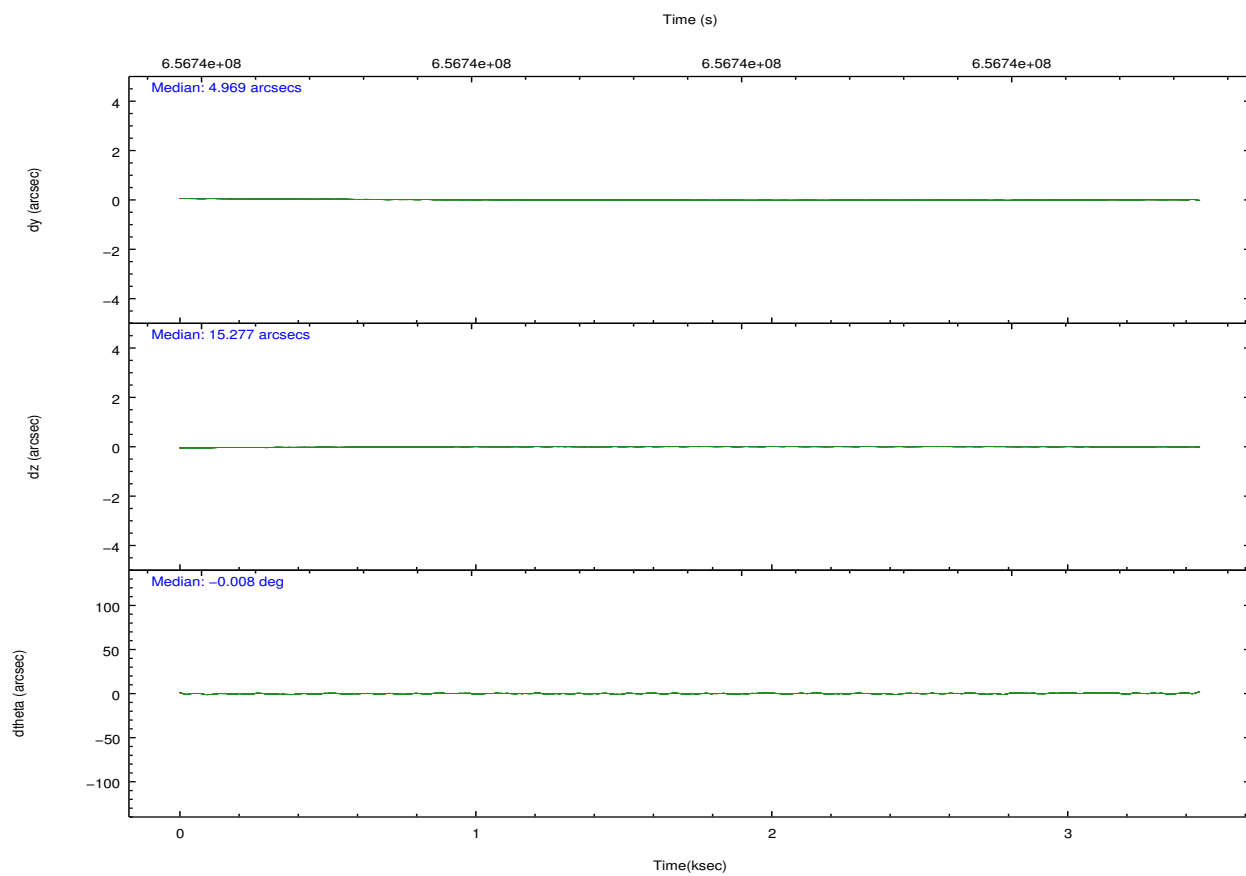
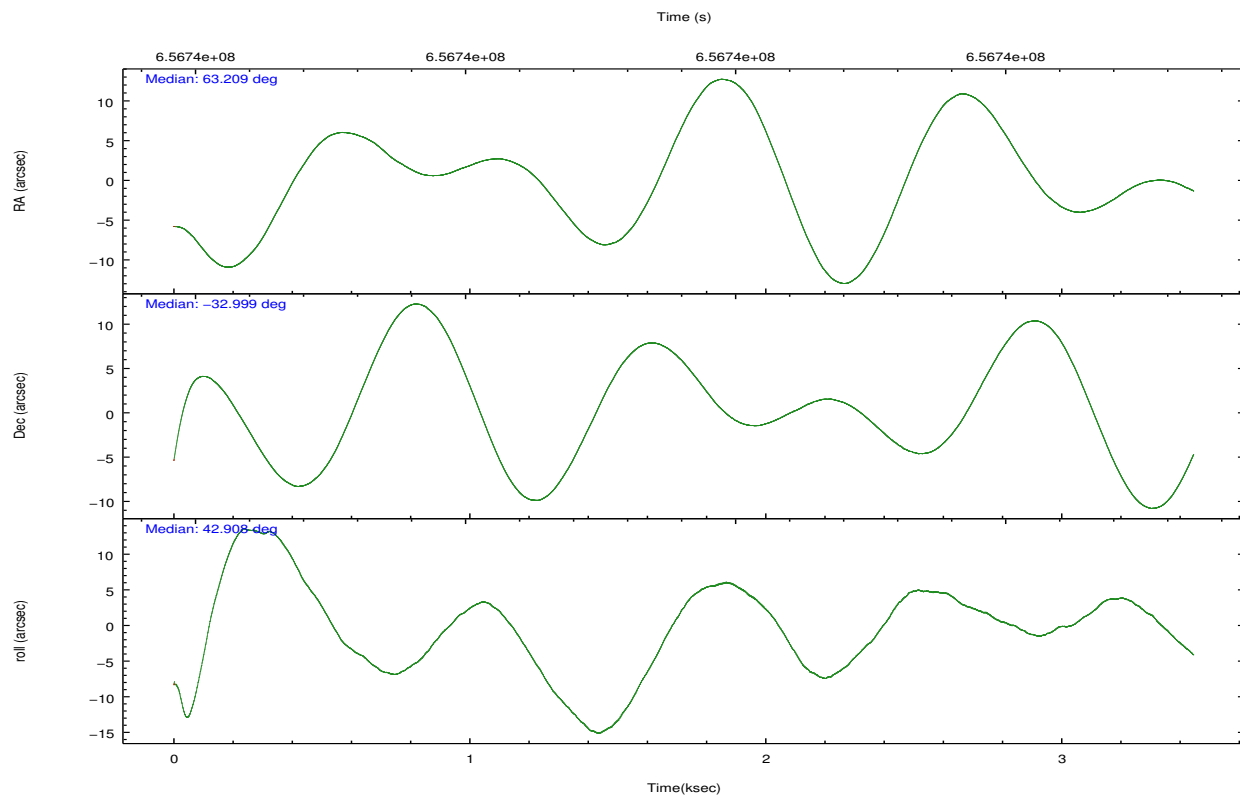
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-678	ACIS-678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	63.200278	63.2092837351779
[deg] Pointing Dec	-33.025350	-32.99914871712841
[deg] Pointing Roll	42.753989	42.91548172553343
[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)	656738537.184000	656737655.25763
Observation start date	2018-10-24T03:21:08	2018-10-24T03:07:35
[s] Observation end time (MET)	656741537.184000	656741882.8703901
Observation end date	2018-10-24T04:11:08	2018-10-24T04:18:02
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	N	N
CCD I1 on	N	N
CCD I2 on	N	N
CCD I3 on	N	N
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	Y	Y
CCD S3 on	Y	Y
CCD S4 on	O1	Y
CCD S5 on	N	N
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



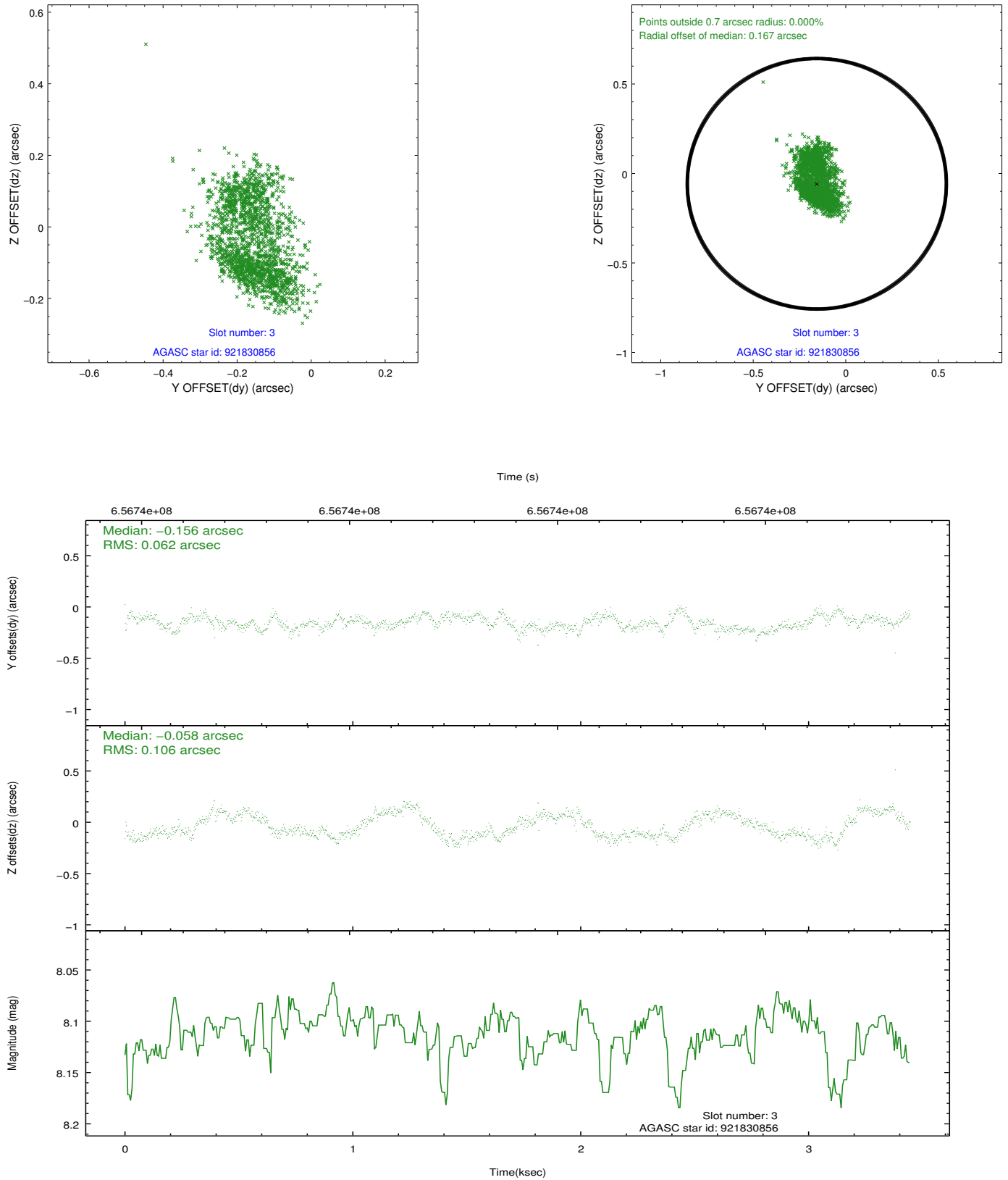


Slot Statistics

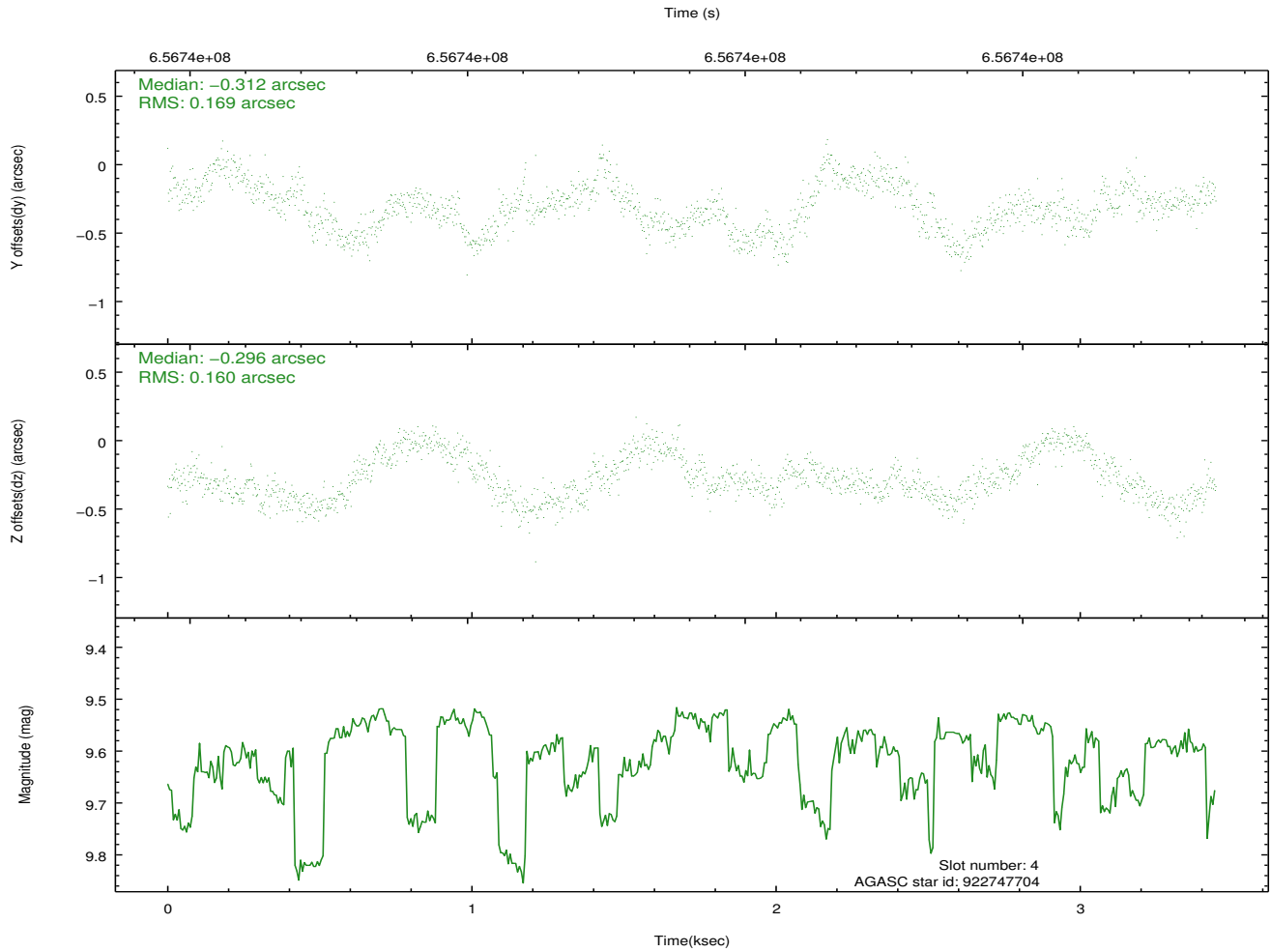
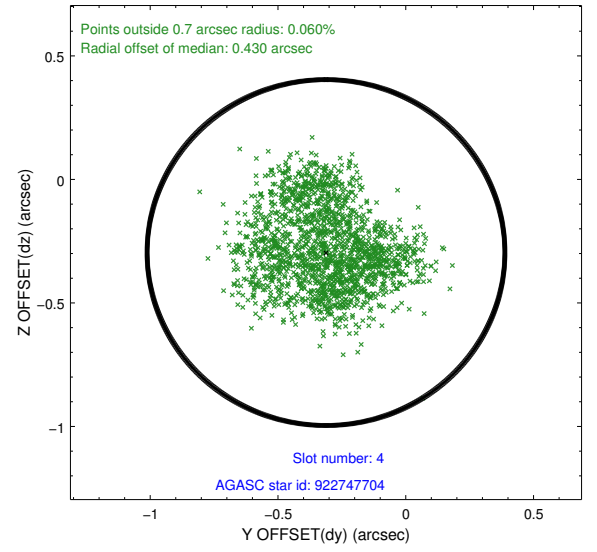
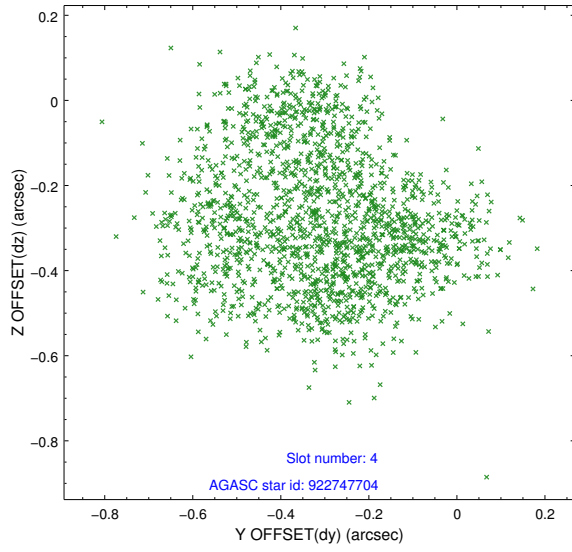
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-1	7.21	841	1.000	0.110	-0.081	0.006	0.010	0.000000	0.000000	938.55	-1732
1	FID		ACIS-S-5	7.24	841	1.000	-0.320	0.027	0.006	0.010	0.000000	0.000000	-1809.93	163
2	FID		ACIS-S-6	7.39	841	1.000	0.189	0.066	0.006	0.010	0.000000	0.000000	402.10	809
3	GUIDE	used	921830856	8.11	1682	1.000	-0.156	-0.058	0.132	0.204	62.502631	-33.153190	-1860.19	1084
4	GUIDE	used	922747704	9.60	1680	1.000	-0.312	-0.296	0.259	0.369	63.745139	-32.569560	2324.41	80
5	GUIDE	used	922749392	8.77	1682	1.000	0.314	0.176	0.172	0.300	63.390590	-33.505235	-751.28	-1656
6	GUIDE	used	922750872	8.93	1678	1.000	0.162	0.077	0.180	0.281	63.220704	-33.140470	-235.02	-346
7	GUIDE	used	922751064	9.13	1673	1.000	-0.029	0.008	0.153	0.275	63.934626	-32.982221	1729.66	-1396

2.4 Star Slots

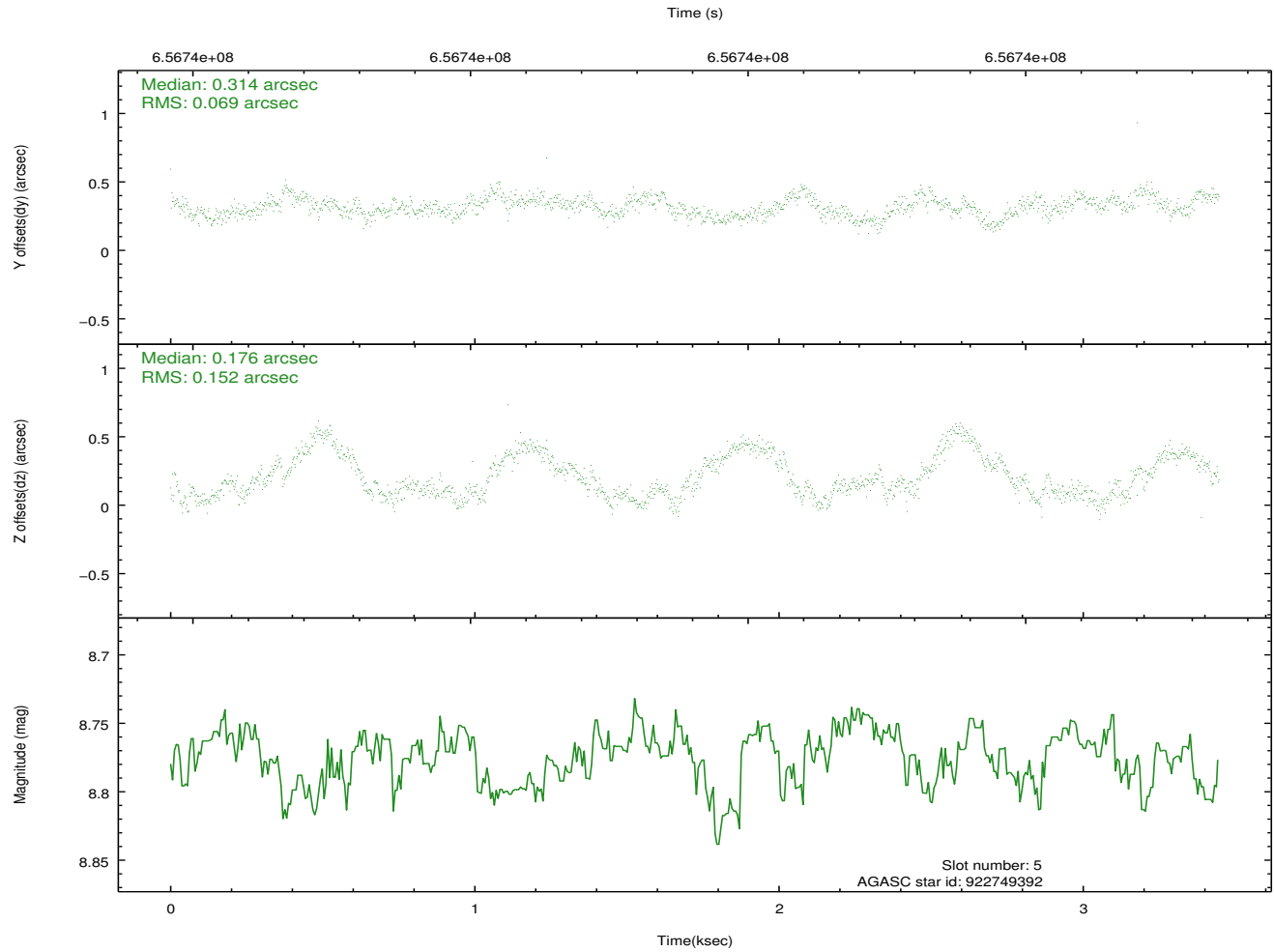
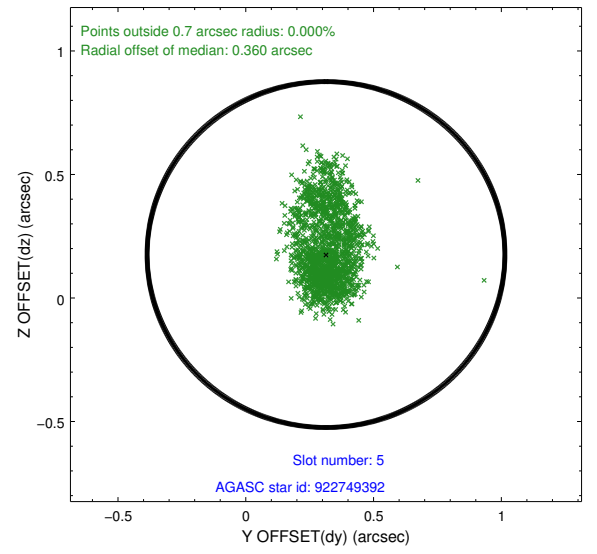
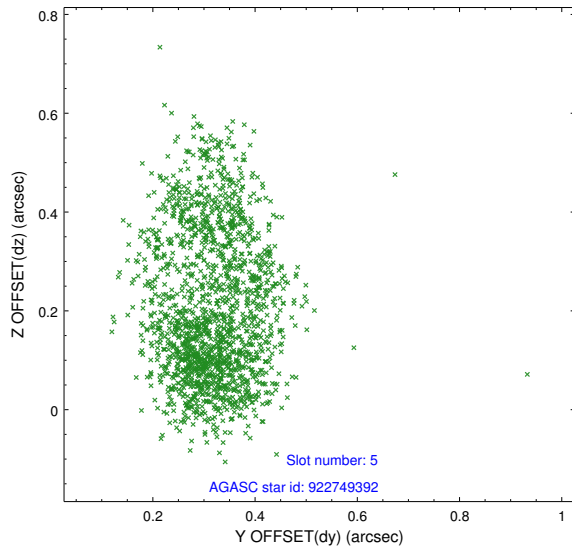
2.4.1 Slot 3



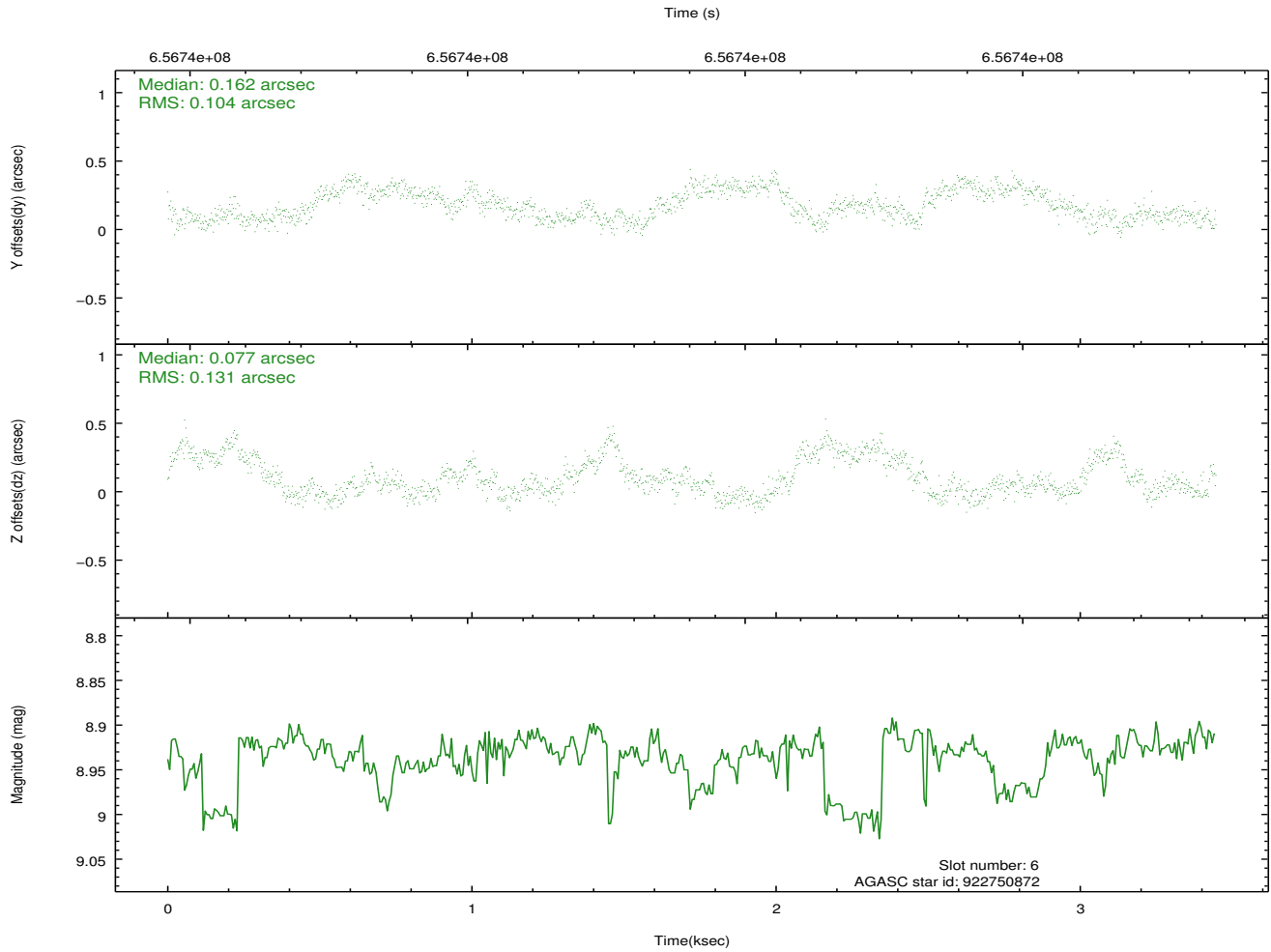
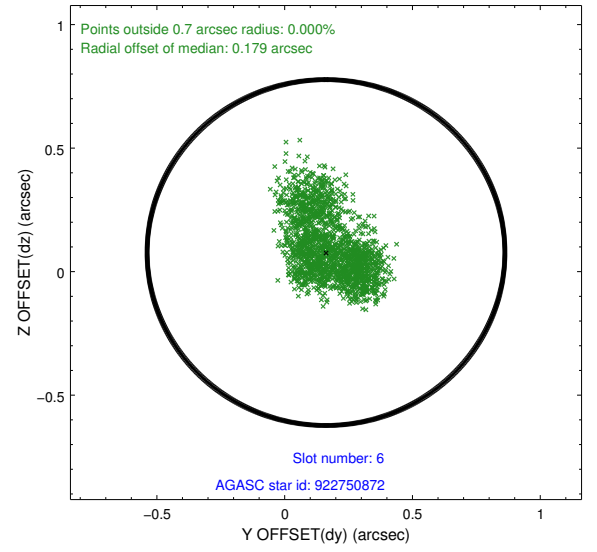
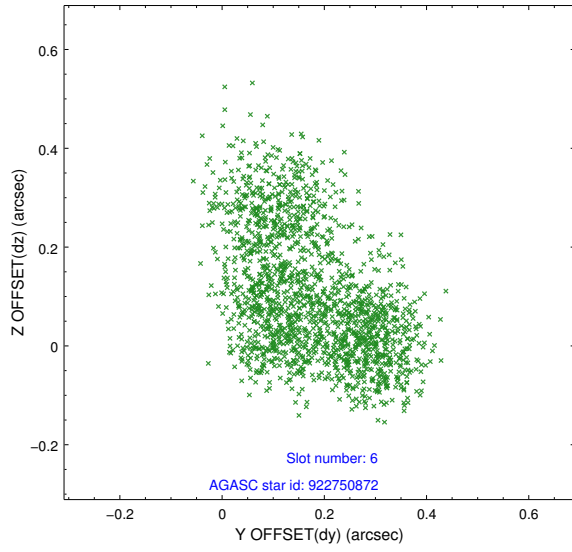
2.4.2 Slot 4



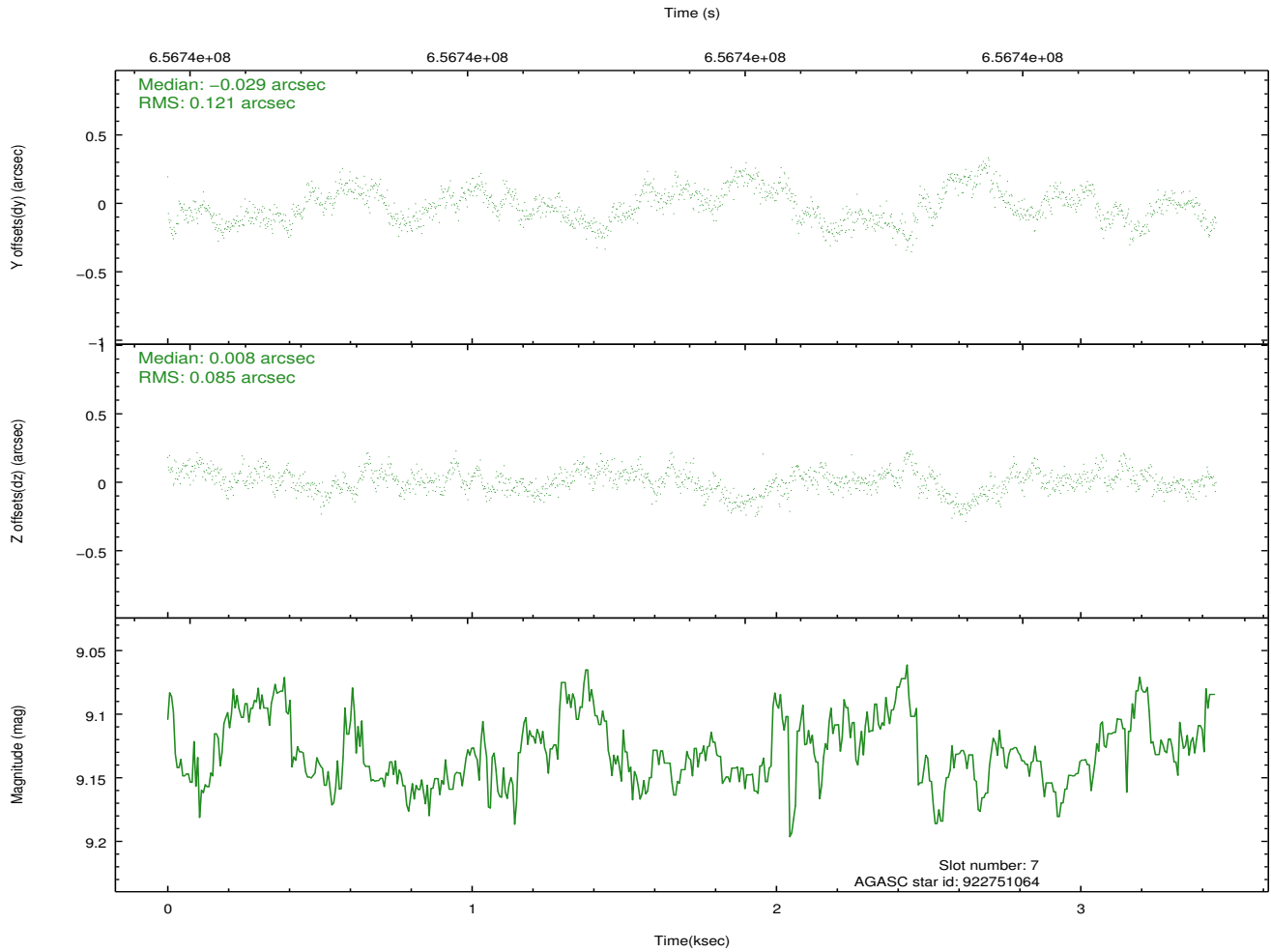
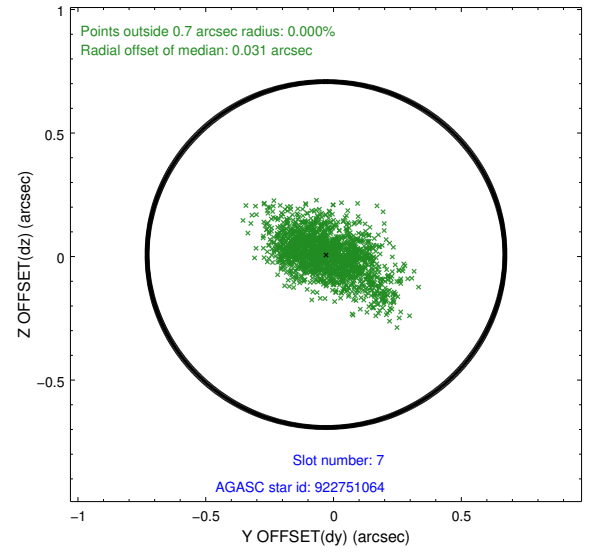
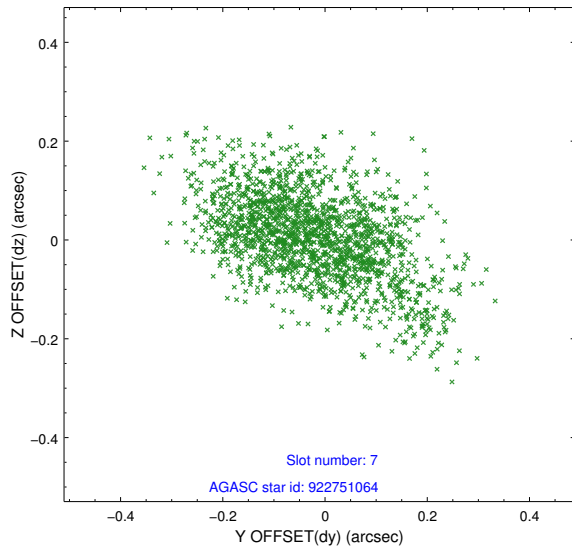
2.4.3 Slot 5



2.4.4 Slot 6

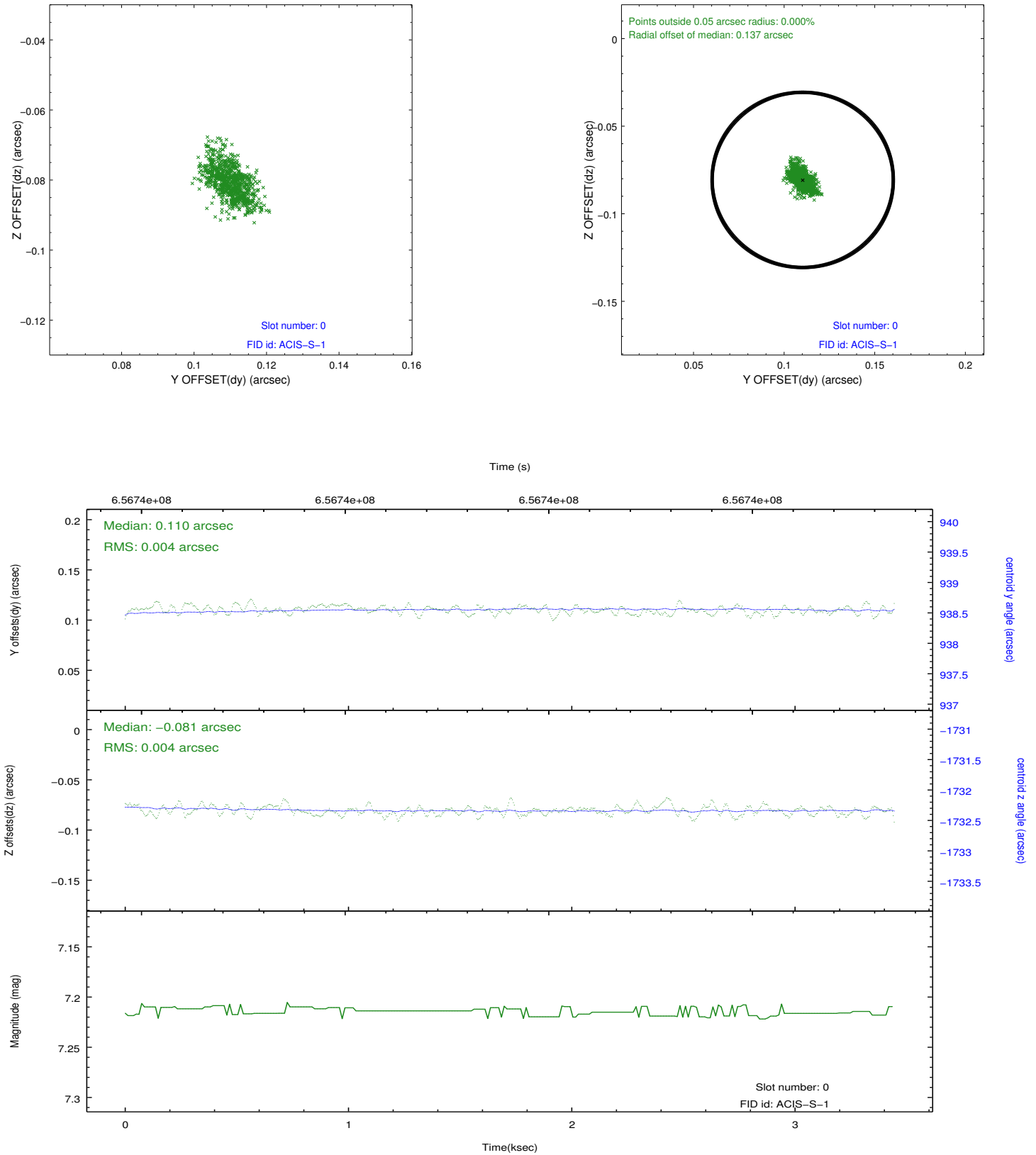


2.4.5 Slot 7

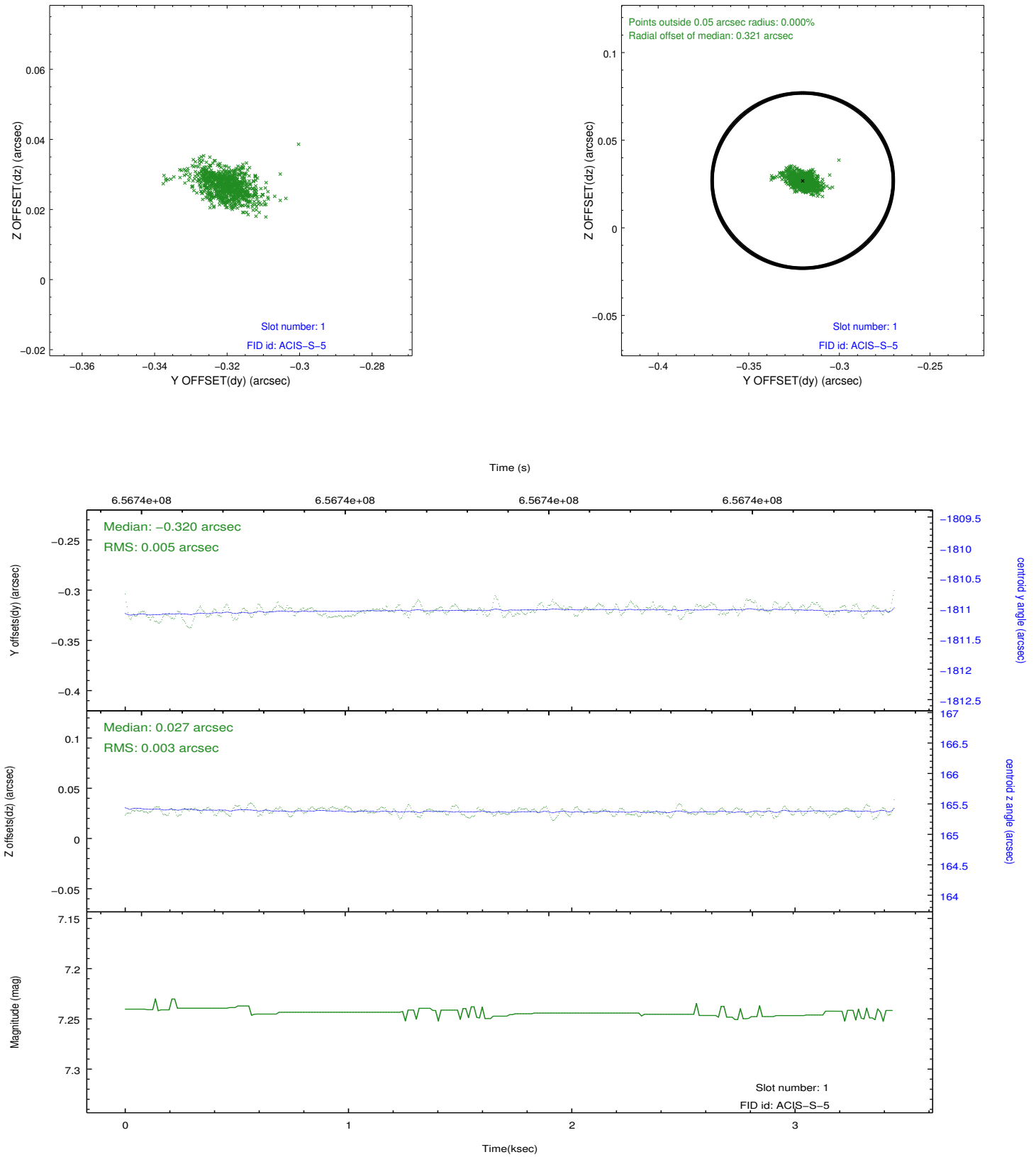


2.5 FID Slots

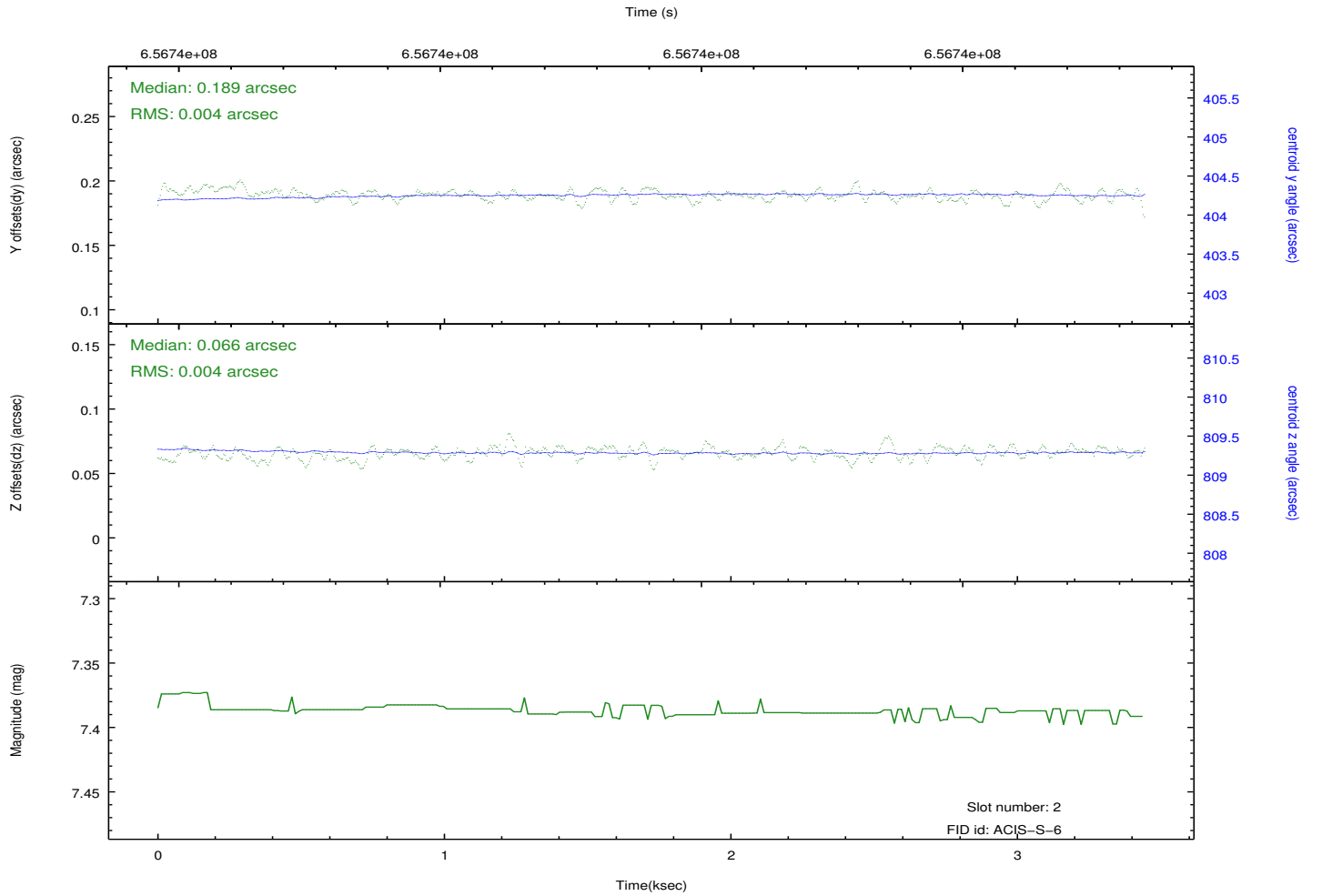
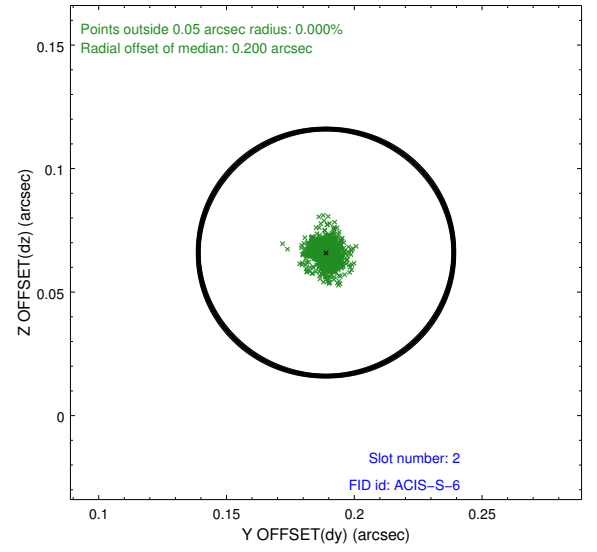
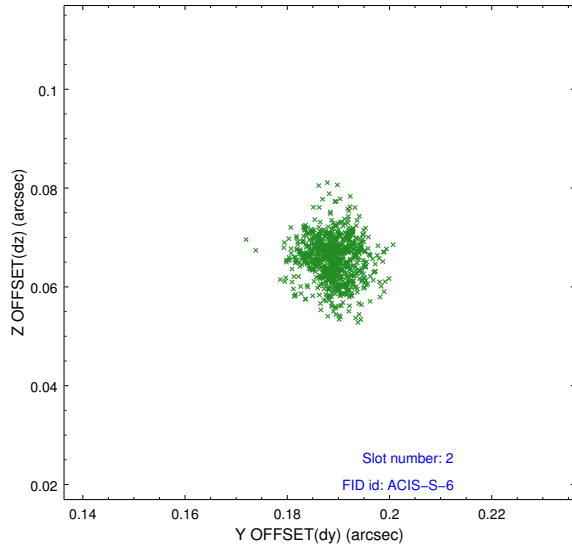
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2018.10.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1093000240326

A.2 Comments