

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19339 - L2 Version 1
Chandra X-Ray Center

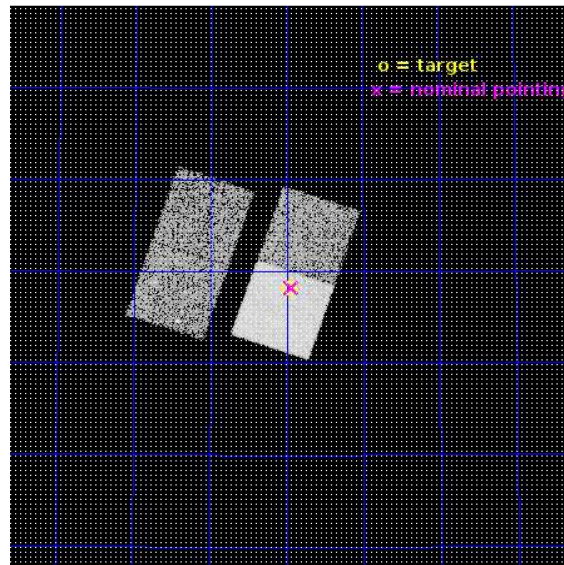
L2 Processing Date : Dec 4 2017

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1 Front

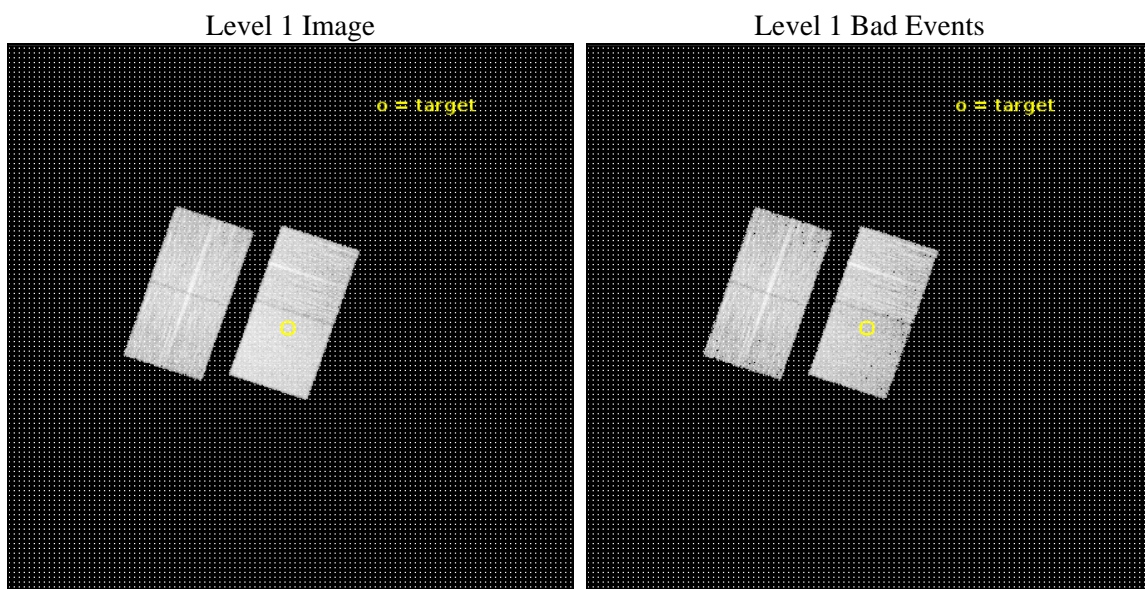
seq_num	601296	Sequence number
obs_id	19339	Observation id
title	A Statistically Complete High Resolution Chandra and Radio (eMERLIN) Survey of the Palomar Nearby Galaxies Sample	Proposal title
observer	Ian McHardy	Principal investigator
object	NGC 2549	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	124.742917	Observer's specified target RA [deg]
dec_targ	57.803111	Observer's specified target Dec [deg]
ra_nom	124.73497096267	Nominal RA [deg]
dec_nom	57.804240990031	Nominal Dec [deg]
roll_nom	108.70725124477	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10071.538130164	Sum of GTIs [s]
livetime	9939.946069935	Livetime [s]
ontime2	10071.415010214	Sum of GTIs [s]
ontime3	10071.456050158	Sum of GTIs [s]
ontime6	10071.49709022	Sum of GTIs [s]
ontime7	10071.538130164	Sum of GTIs [s]
l2events	60353	Number of level 2 events



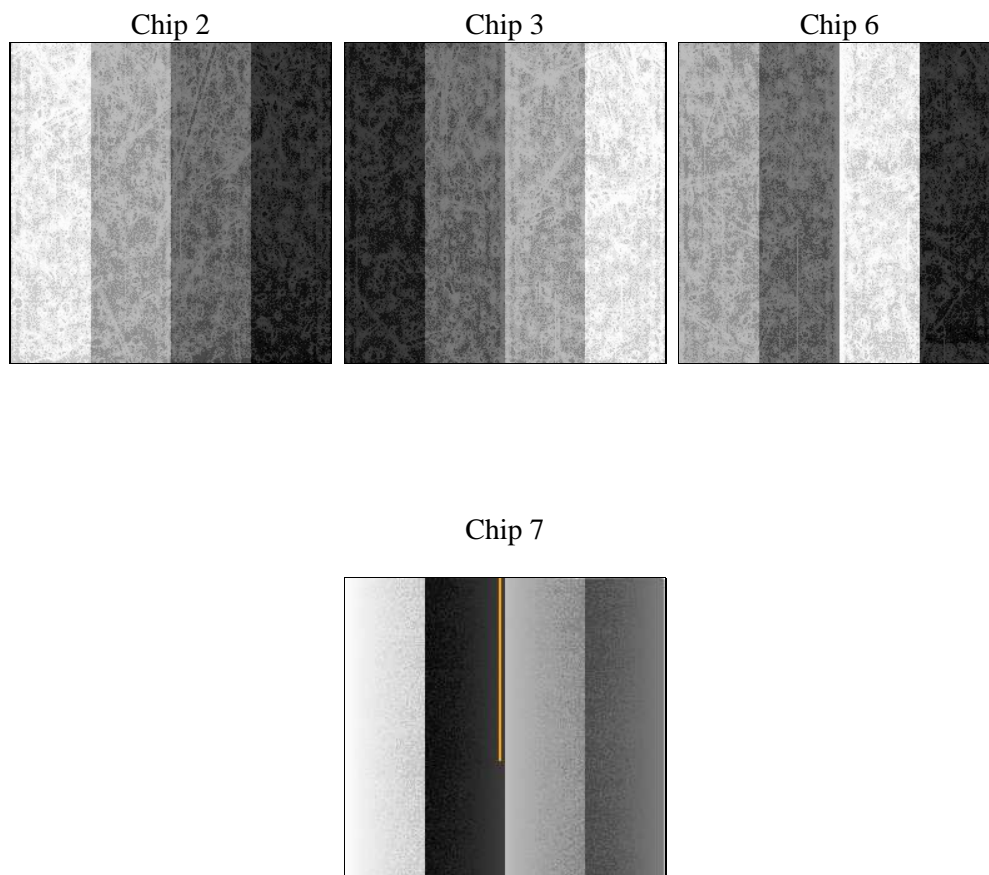
2 OBI

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	10.6	Processing system revision	ontime	10071.538130164	Sum of GTIs [s]
caldsver	4.7.6	 	ontime2	10071.415010214	Sum of GTIs [s]
date	2017-12-04T16:53:13	Date and time of file creation	ontime3	10071.456050158	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	10071.49709022	Sum of GTIs [s]
			ontime7	10071.538130164	Sum of GTIs [s]
			l1events	298367	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	68466	66325	71225	92351
rejected events	60637	58548	63010	51492
rejected %	88%	88%	88%	55%

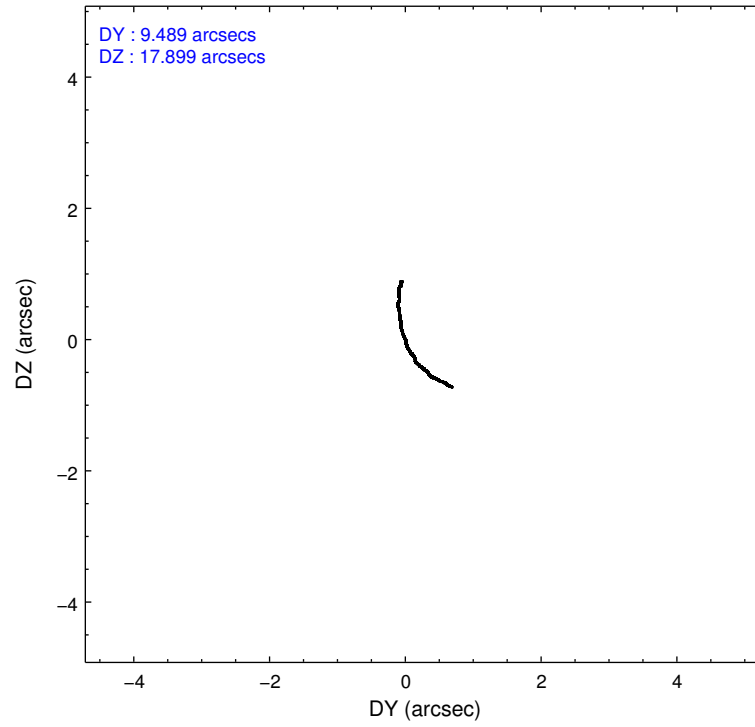
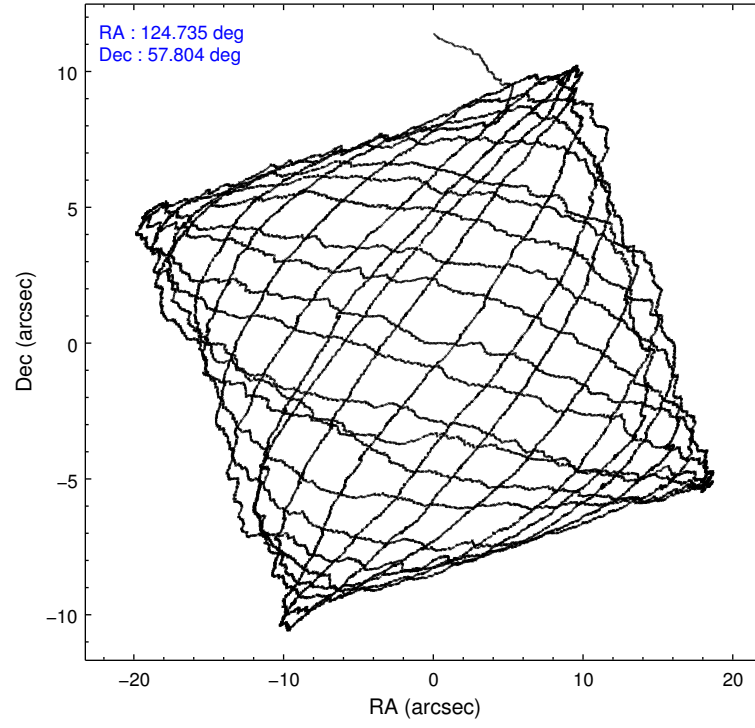
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2720	2957	2776	3571
	3%	4%	3%	3%
grade 1 events	41	43	28	150
	0%	0%	0%	0%
grade 2 events	2025	1682	1887	8706
	2%	2%	2%	9%
grade 3 events	758	790	811	3361
	1%	1%	1%	3%
grade 4 events	831	777	819	3422
	1%	1%	1%	3%
grade 5 events	2739	3479	3493	9310
	4%	5%	4%	10%
grade 6 events	1506	1575	1927	21829
	2%	2%	2%	23%
grade 7 events	57846	55022	59484	42002
	84%	82%	83%	45%

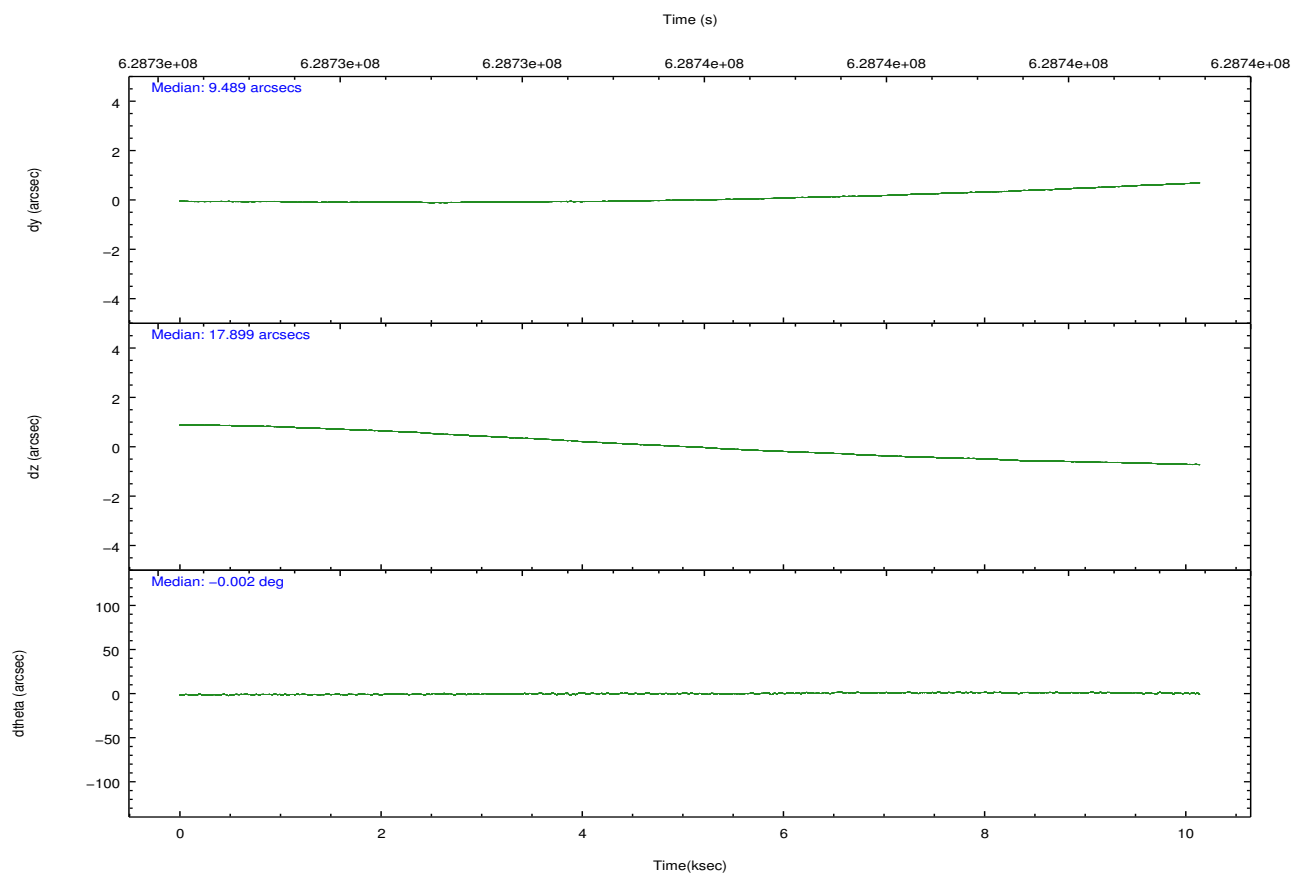
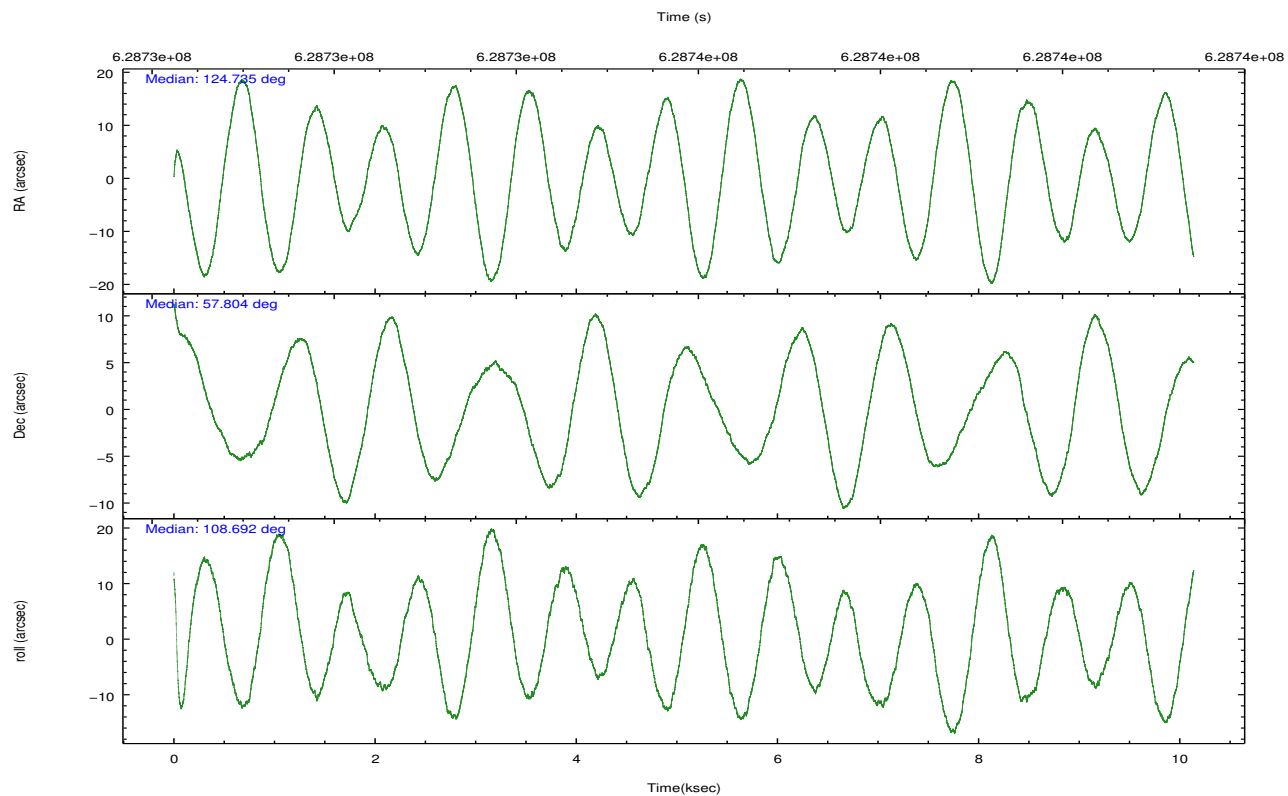
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-2367	ACIS-2367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	124.774128	124.7349709626749
[deg] Pointing Dec	57.786377	57.80424099003068
[deg] Pointing Roll	108.517459	108.707251244766
[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)	628730908.184000	628729647.93469
Observation start date	2017-12-03T23:27:19	2017-12-03T23:07:27
[s] Observation end time (MET)	628740908.184000	628741710.1354001
Observation end date	2017-12-04T02:13:59	2017-12-04T02:28:30
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



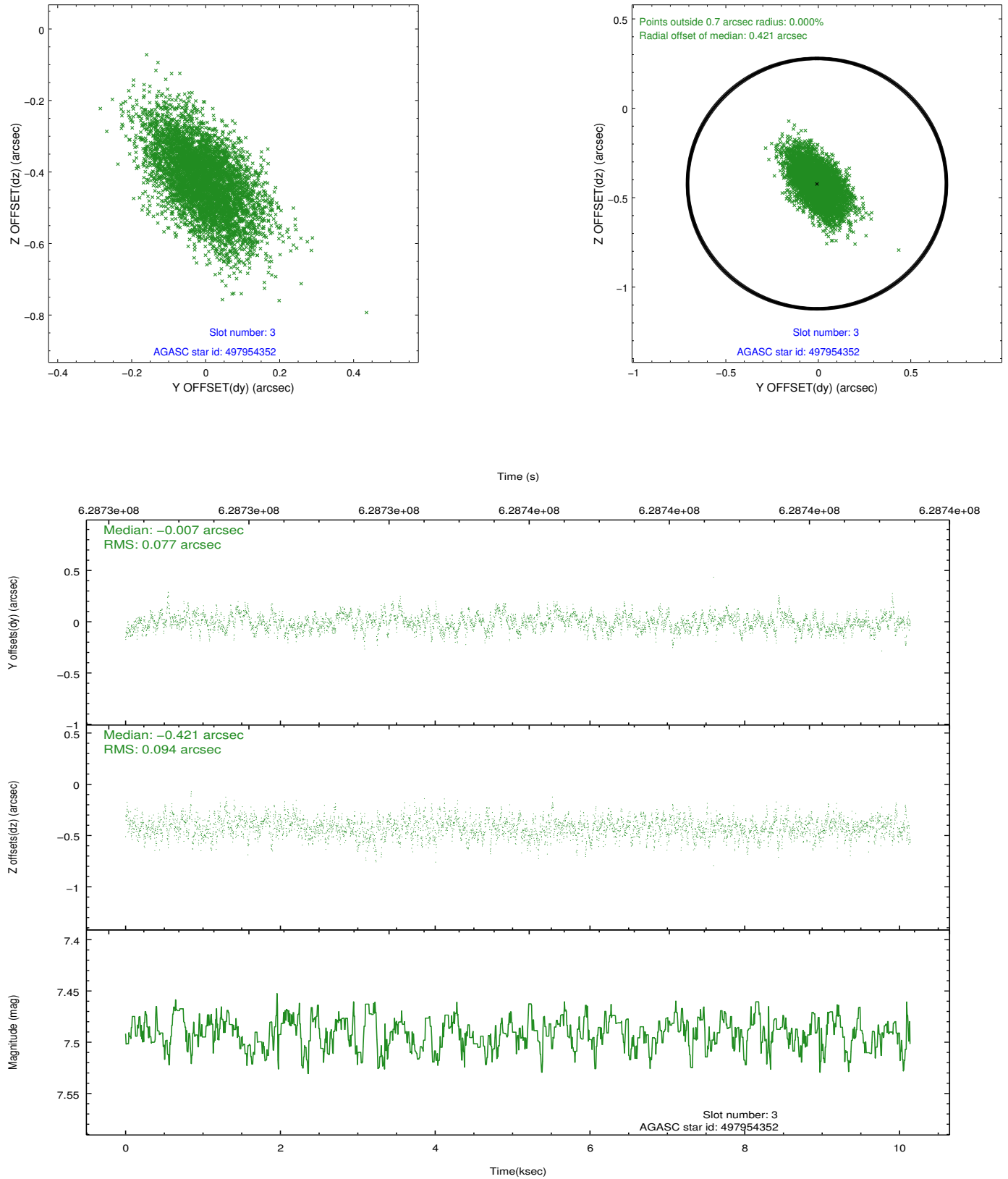


Slot Statistics

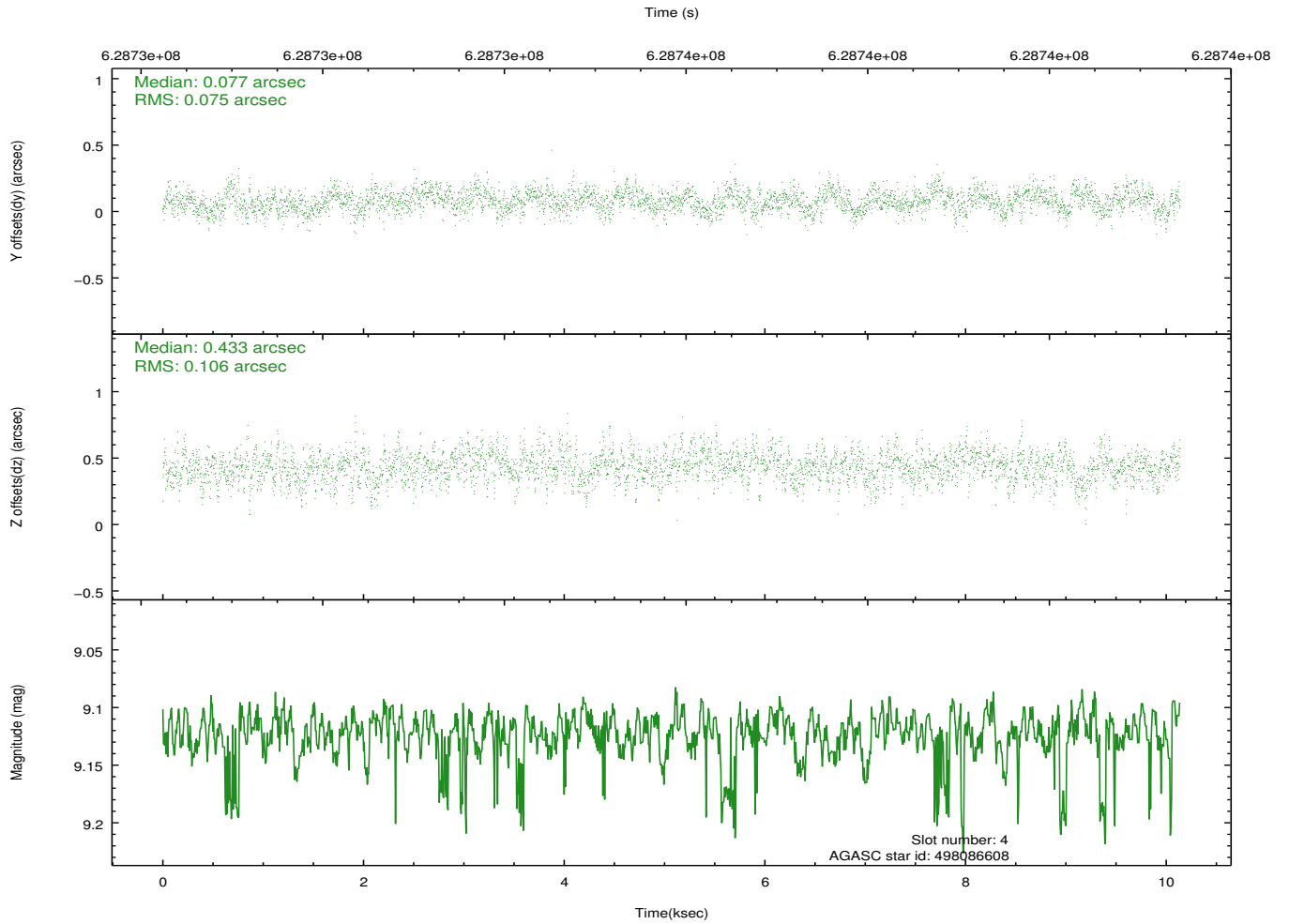
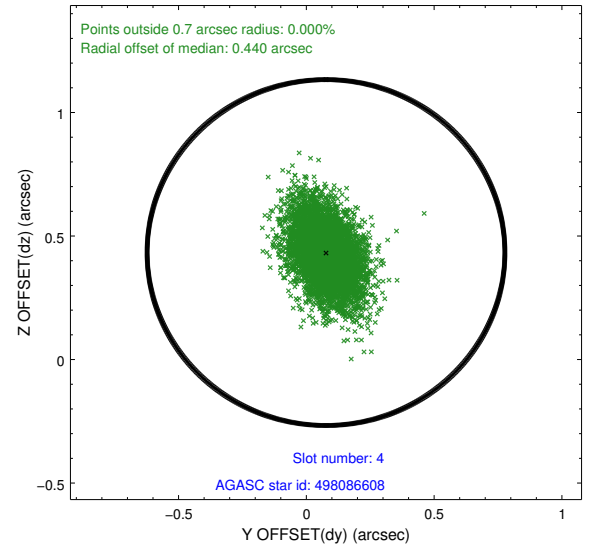
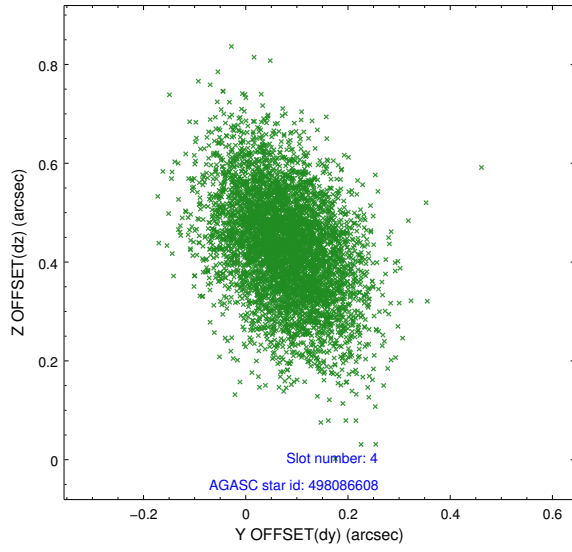
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.95	2473	-0.206	-0.116	0.006	0.012	0.000000	0.000000	-762.69	-1739.49
1	FID		ACIS-S-4	7.06	2473	0.239	0.124	0.007	0.011	0.000000	0.000000	2150.86	168.58
2	FID		ACIS-S-6	7.20	2473	-0.060	-0.001	0.008	0.013	0.000000	0.000000	400.20	806.51
3	GUIDE	used	497954352	7.49	4946	-0.007	-0.421	0.126	0.221	124.026322	57.094139	-1893.65	2181.48
4	GUIDE	used	498086608	9.12	4939	0.077	0.433	0.134	0.232	126.241510	57.420644	-2122.61	-2288.44
5	GUIDE	used	498480440	6.12	4947	0.065	0.059	0.132	0.232	125.108577	57.743278	-350.20	-562.13
6	GUIDE	used	498084480	7.72	4944	0.222	0.408	0.102	0.183	125.953889	57.417200	-1966.25	-1752.11
7	GUIDE	used	498345544	9.37	4940	-0.360	-0.466	0.156	0.264	123.431115	57.871462	1129.69	2332.08

2.4 Star Slots

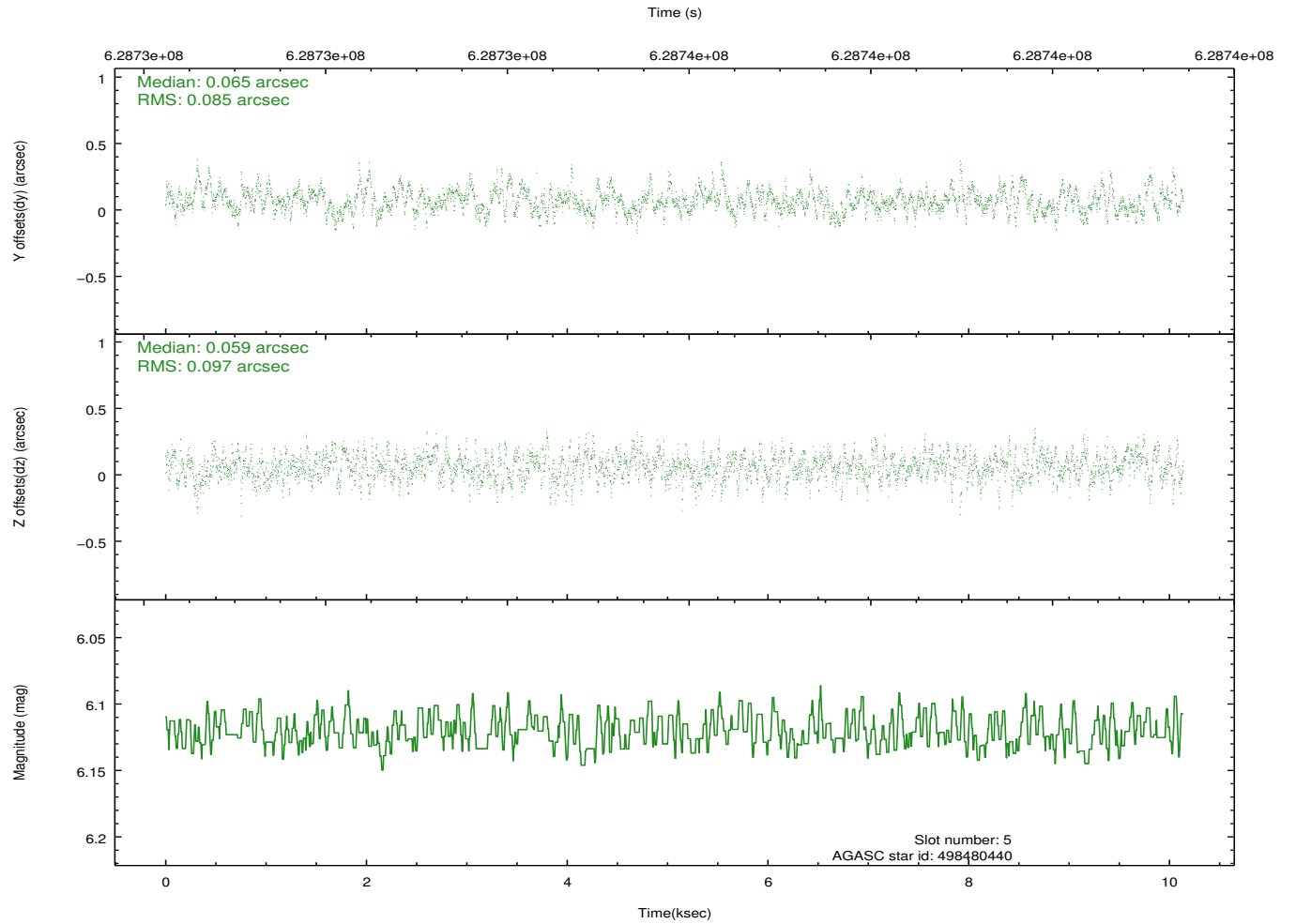
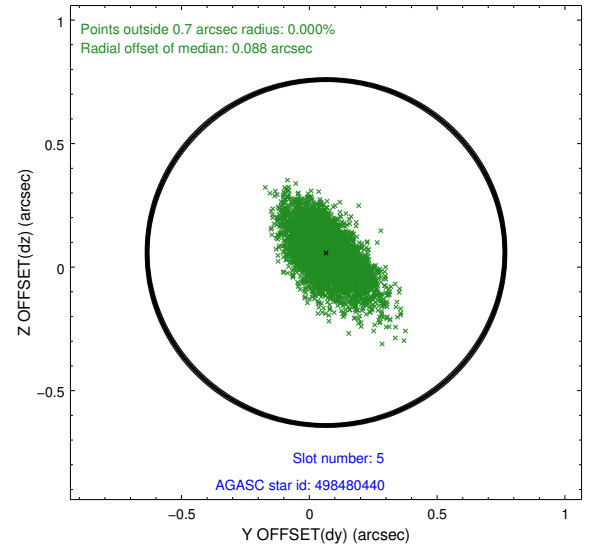
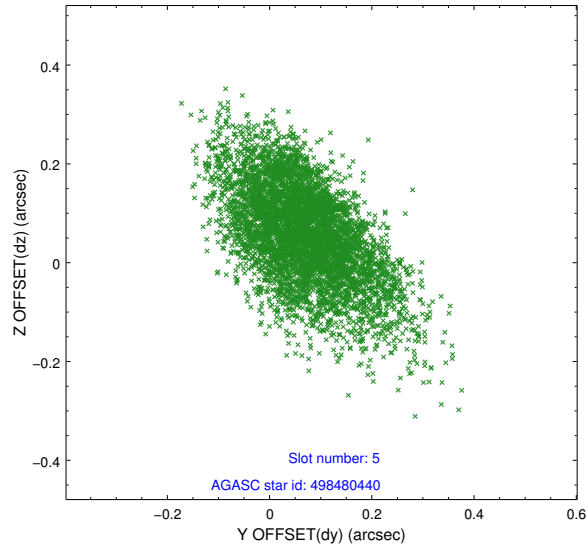
2.4.1 Slot 3



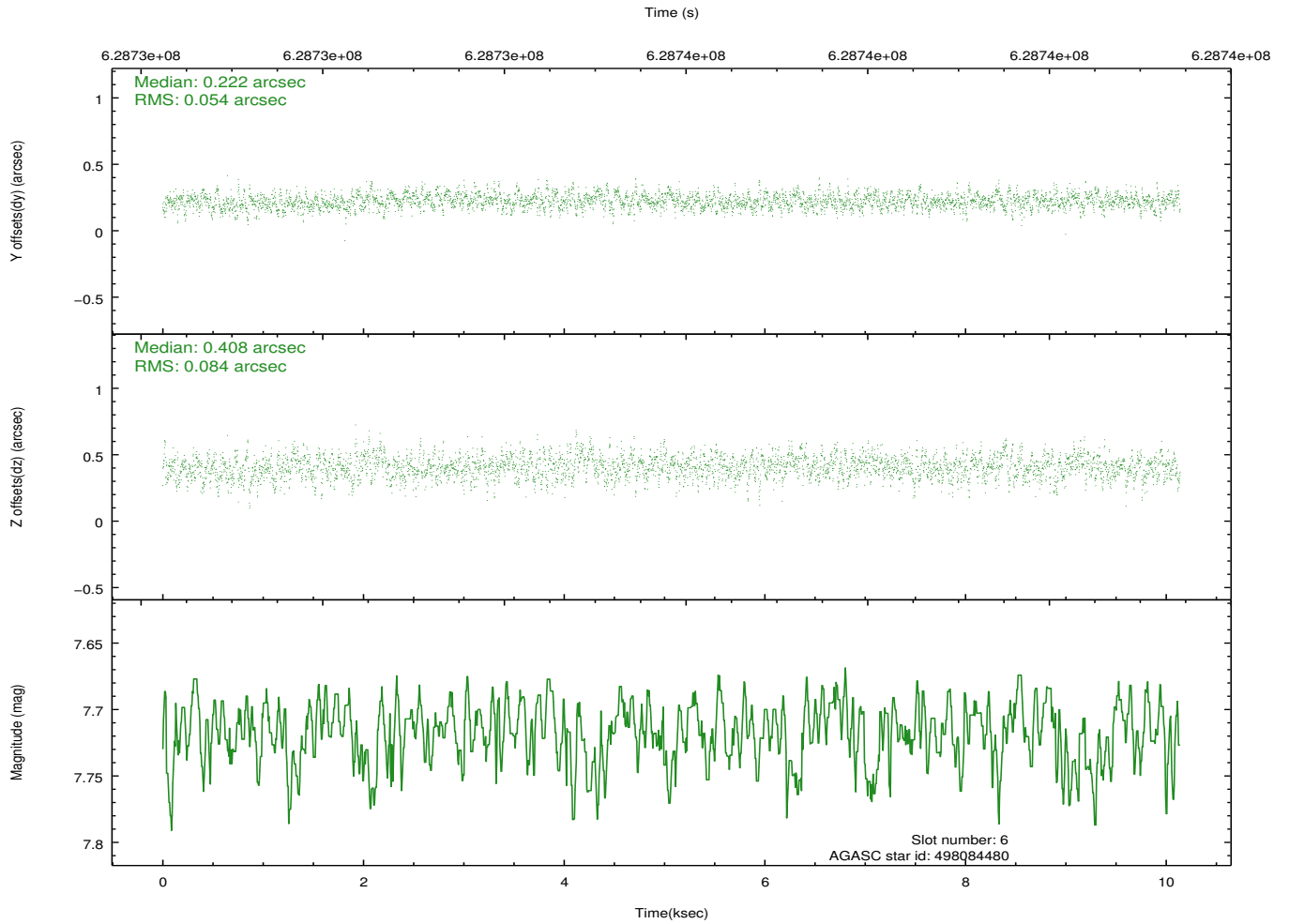
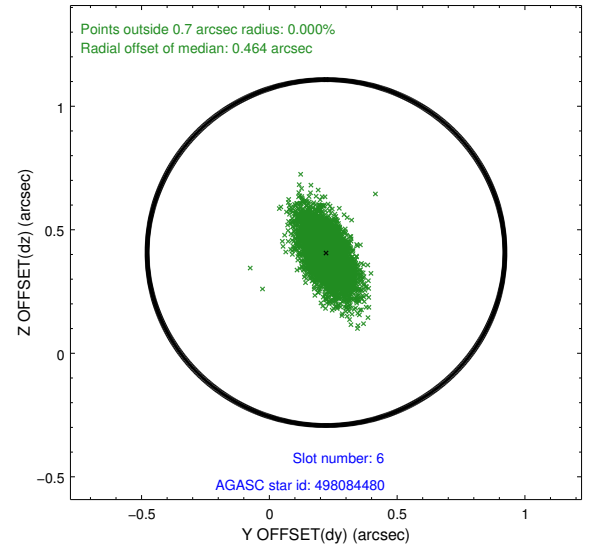
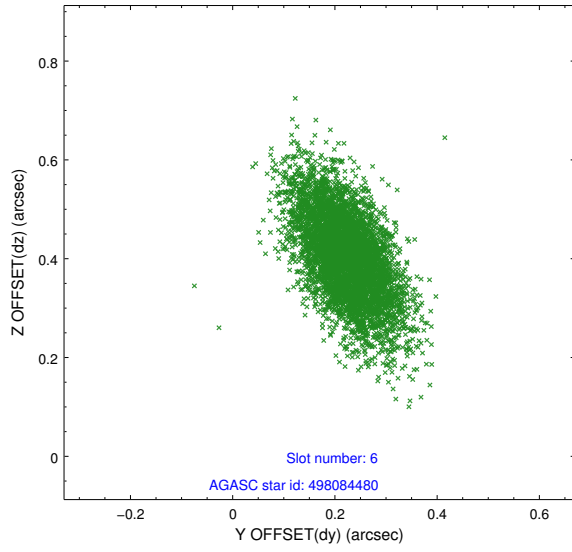
2.4.2 Slot 4



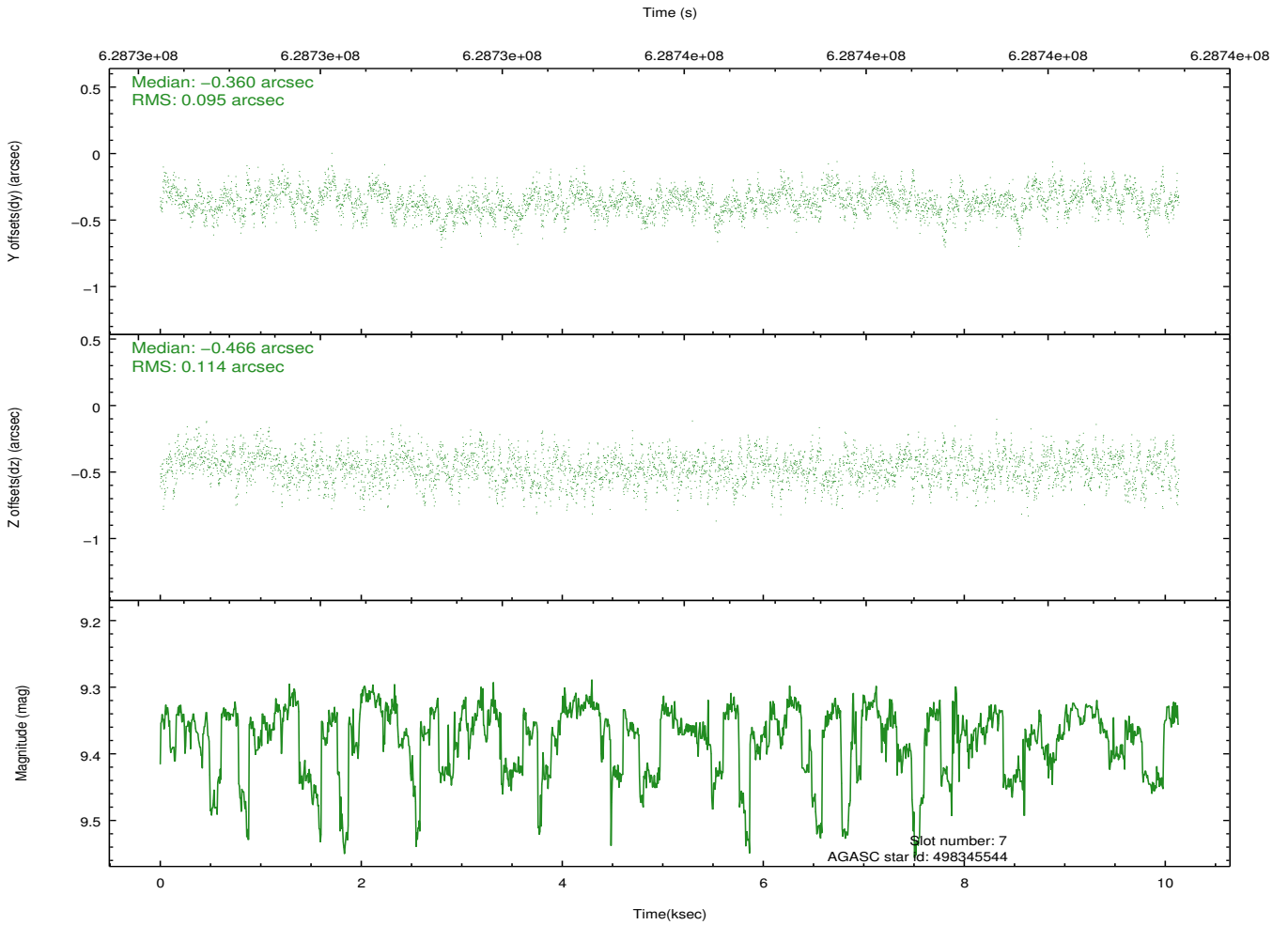
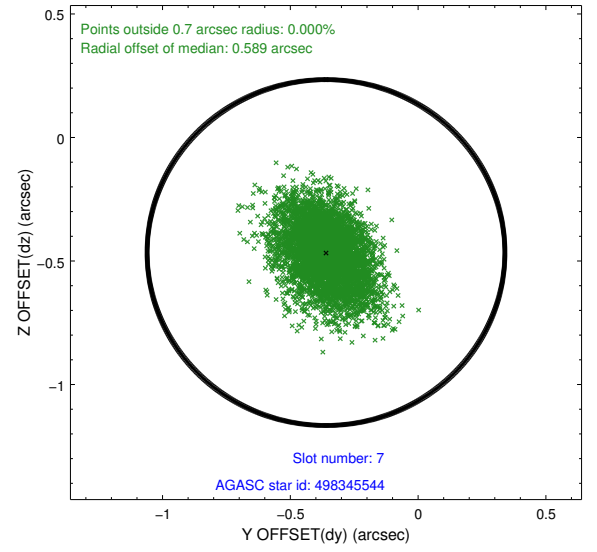
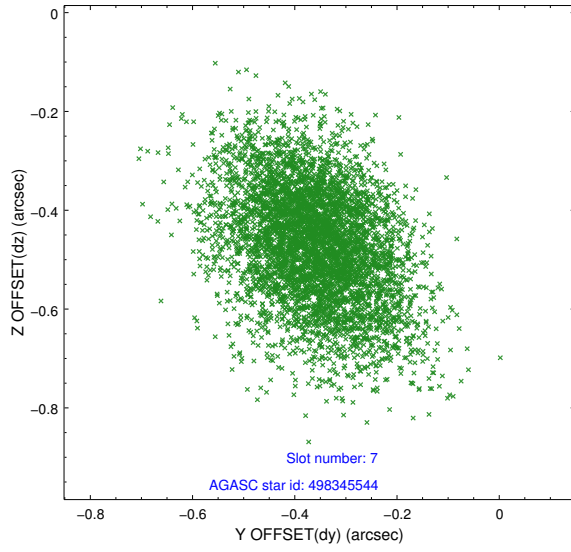
2.4.3 Slot 5



2.4.4 Slot 6

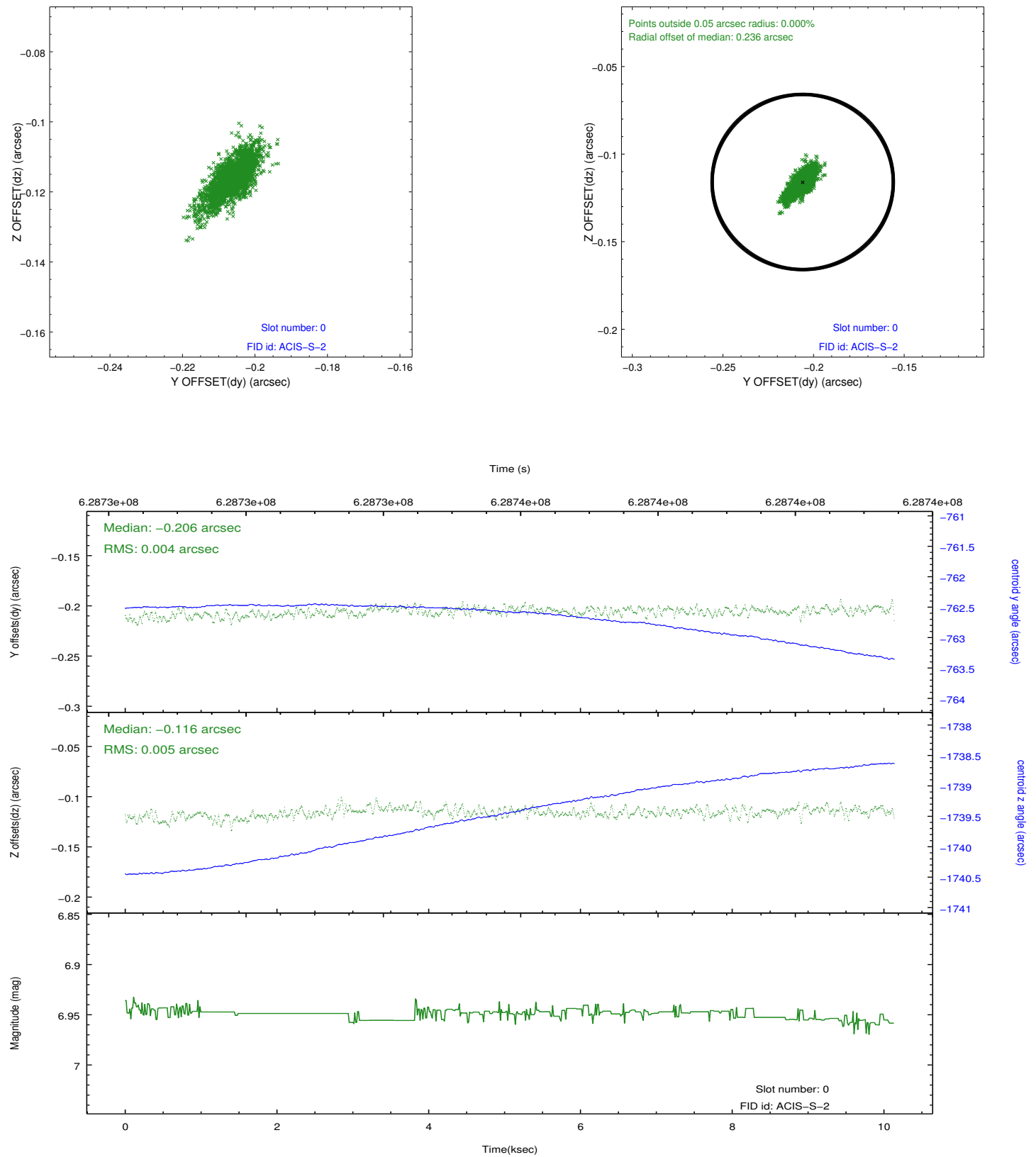


2.4.5 Slot 7

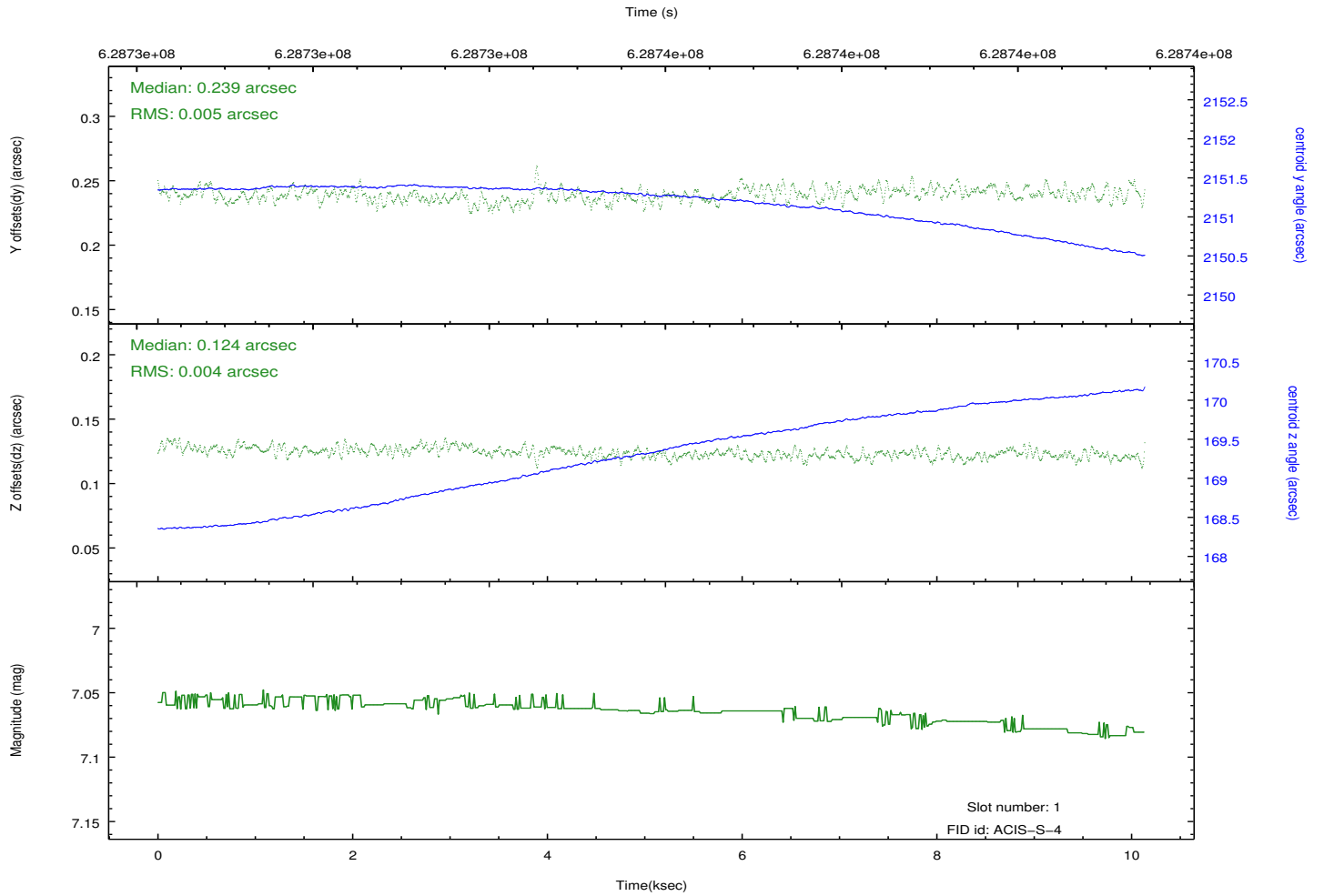
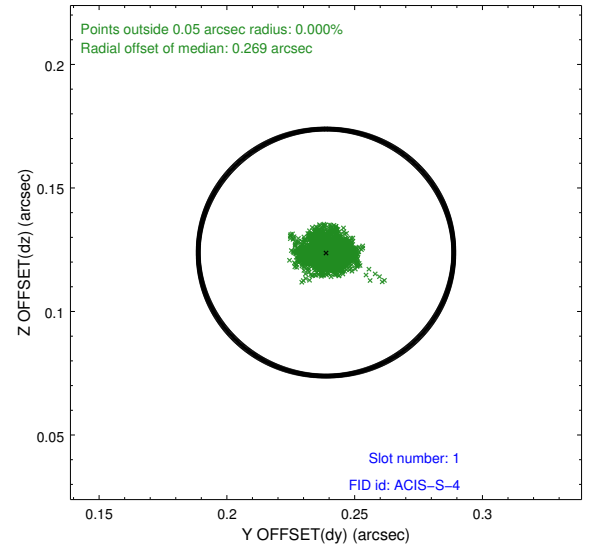
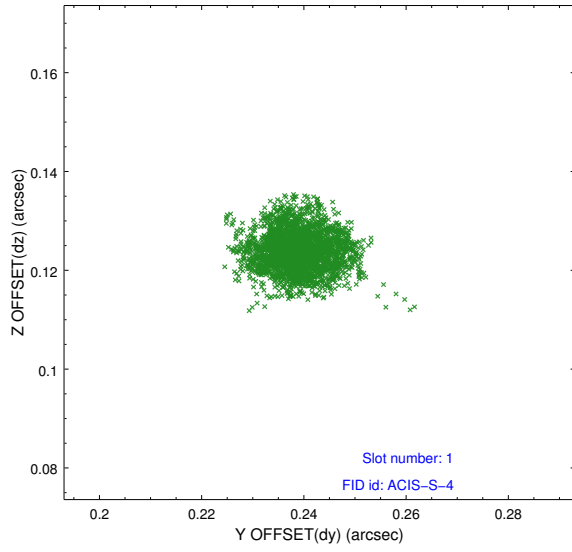


2.5 FID Slots

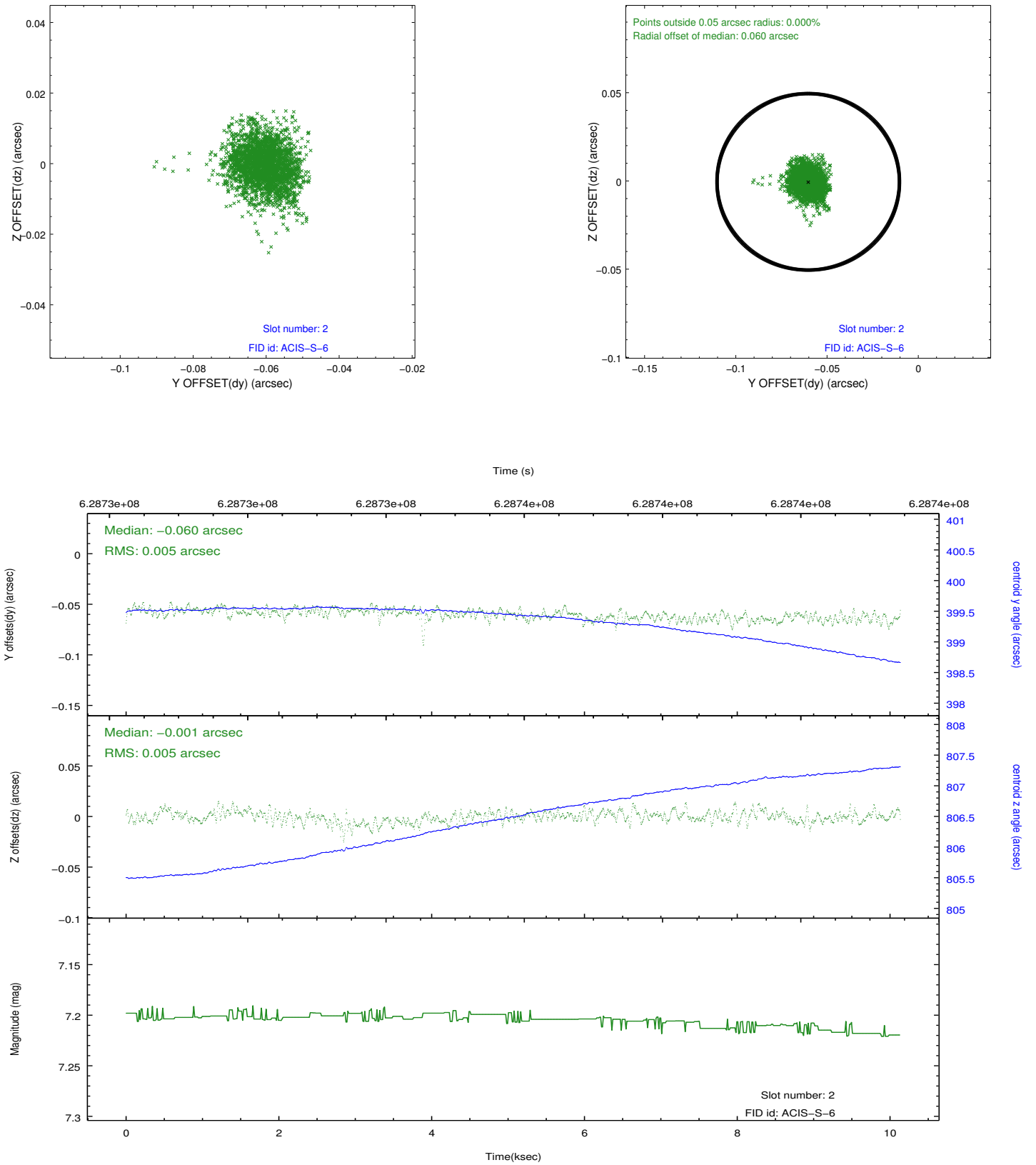
2.5.1 Slot 0



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)	2017.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.071538130164

A.2 Comments