

V&V Reference Report

L2 ASCDS Version : 10.5.4

Observation 19728 - L2 Version 1
Chandra X-Ray Center

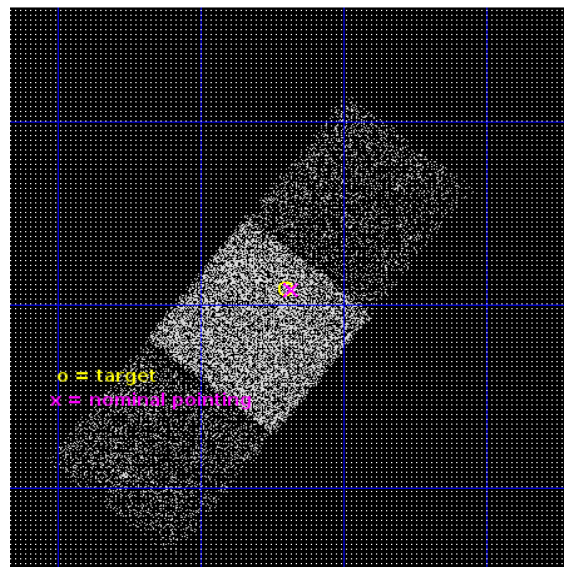
L2 Processing Date : May 27 2017

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1 Front

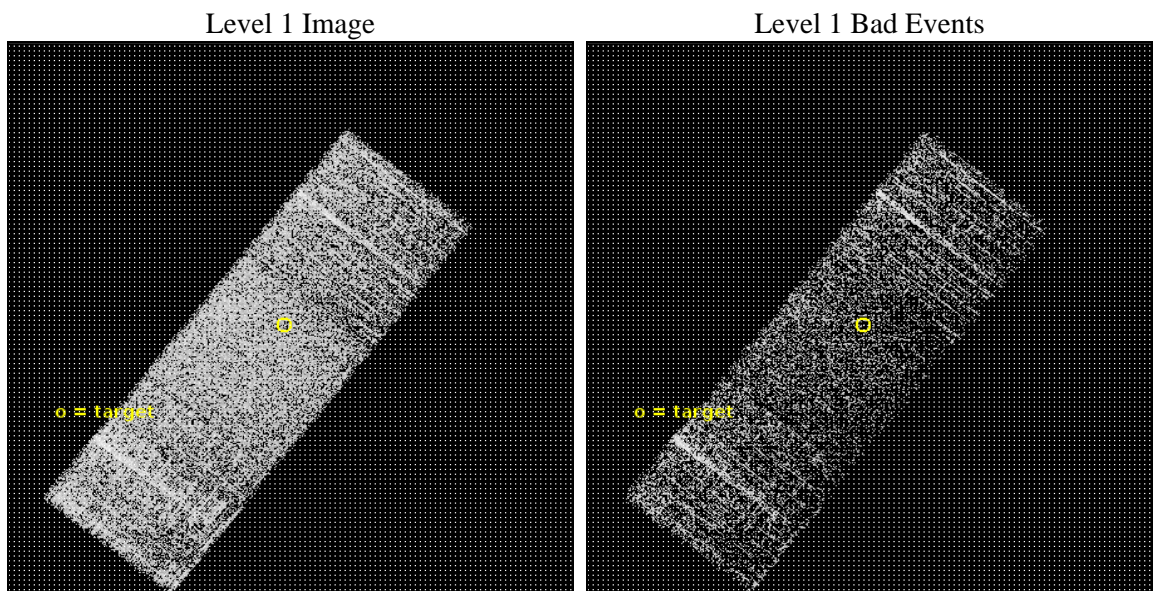
seq_num	703443	Sequence number
obs_id	19728	Observation id
title	A Chandra Snapshot Survey of Extraordinarily Luminous and Heavily Obscured Quasars from the WISE Survey	Proposal title
observer	Gordon Garmire	Principal investigator
object	W0126-0529	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	21.55	Observer's specified target RA [deg]
dec_targ	-5.486	Observer's specified target Dec [deg]
ra_nom	21.545541879705	Nominal RA [deg]
dec_nom	-5.4863580258749	Nominal Dec [deg]
roll_nom	128.15618981628	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3111.6288303137	Sum of GTIs [s]
livetime	3070.9731088978	Livetime [s]
ontime6	3111.58779037	Sum of GTIs [s]
ontime7	3111.6288303137	Sum of GTIs [s]
ontime8	3111.5467503071	Sum of GTIs [s]
l2events	16324	Number of level 2 events



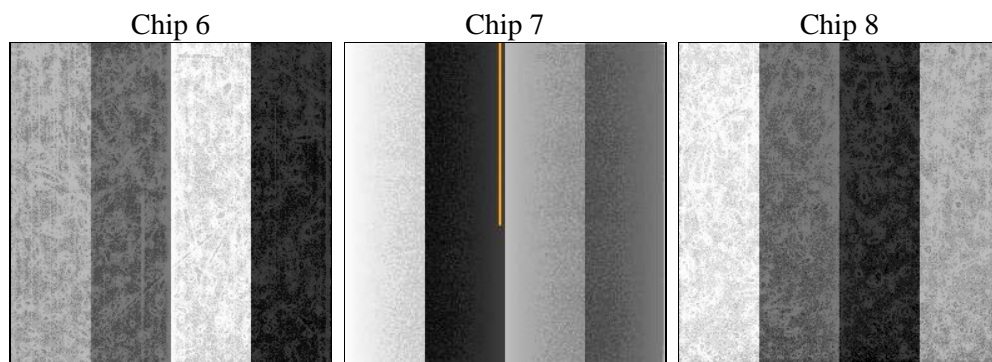
2 OBI

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	10.5.4	Processing system revision	ontime	3111.6288303137	Sum of GTIs [s]
caldsver	4.7.4	 	ontime6	3111.58779037	Sum of GTIs [s]
date	2017-05-27T21:00:10	Date and time of file creation	ontime7	3111.6288303137	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	3111.5467503071	Sum of GTIs [s]
			l1events	80156	Number of level 1 events

2.1.4 Events

	ccd 6	ccd 7	ccd 8
level 1 events	23480	28093	28583
rejected events	20948	16115	21094
rejected %	89%	57%	73%

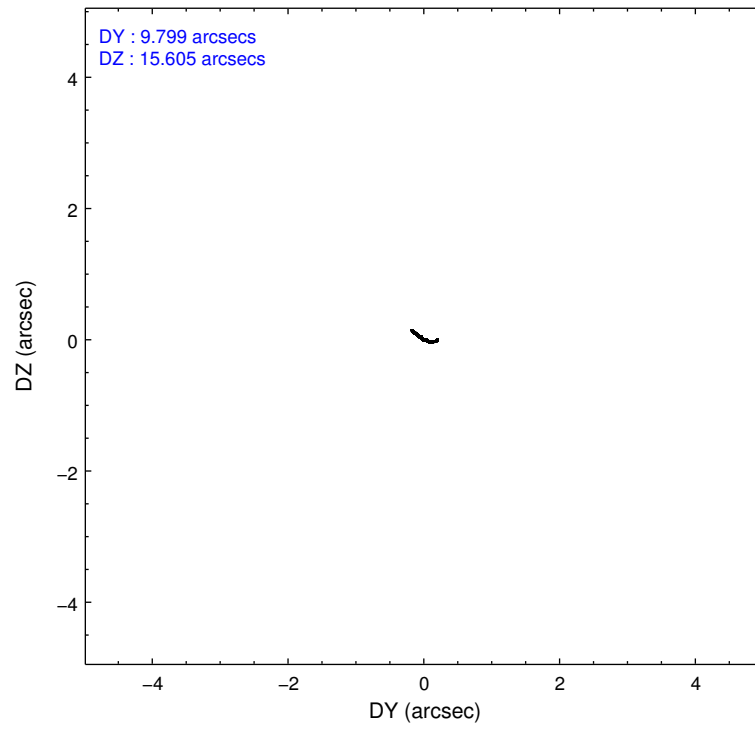
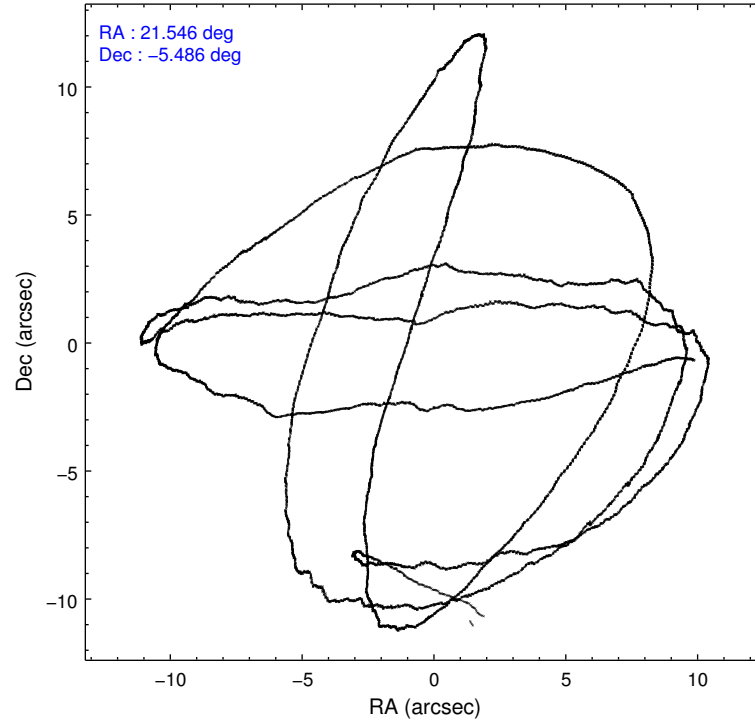
	ccd 6	ccd 7	ccd 8
grade 0 events	742	955	2133
	3%	3%	7%
grade 1 events	7	40	28
	0%	0%	0%
grade 2 events	641	2569	1888
	2%	9%	6%
grade 3 events	258	903	693
	1%	3%	2%
grade 4 events	272	870	640
	1%	3%	2%
grade 5 events	982	2666	1484
	4%	9%	5%
grade 6 events	620	6697	2138
	2%	23%	7%
grade 7 events	19958	13393	19579
	85%	47%	68%

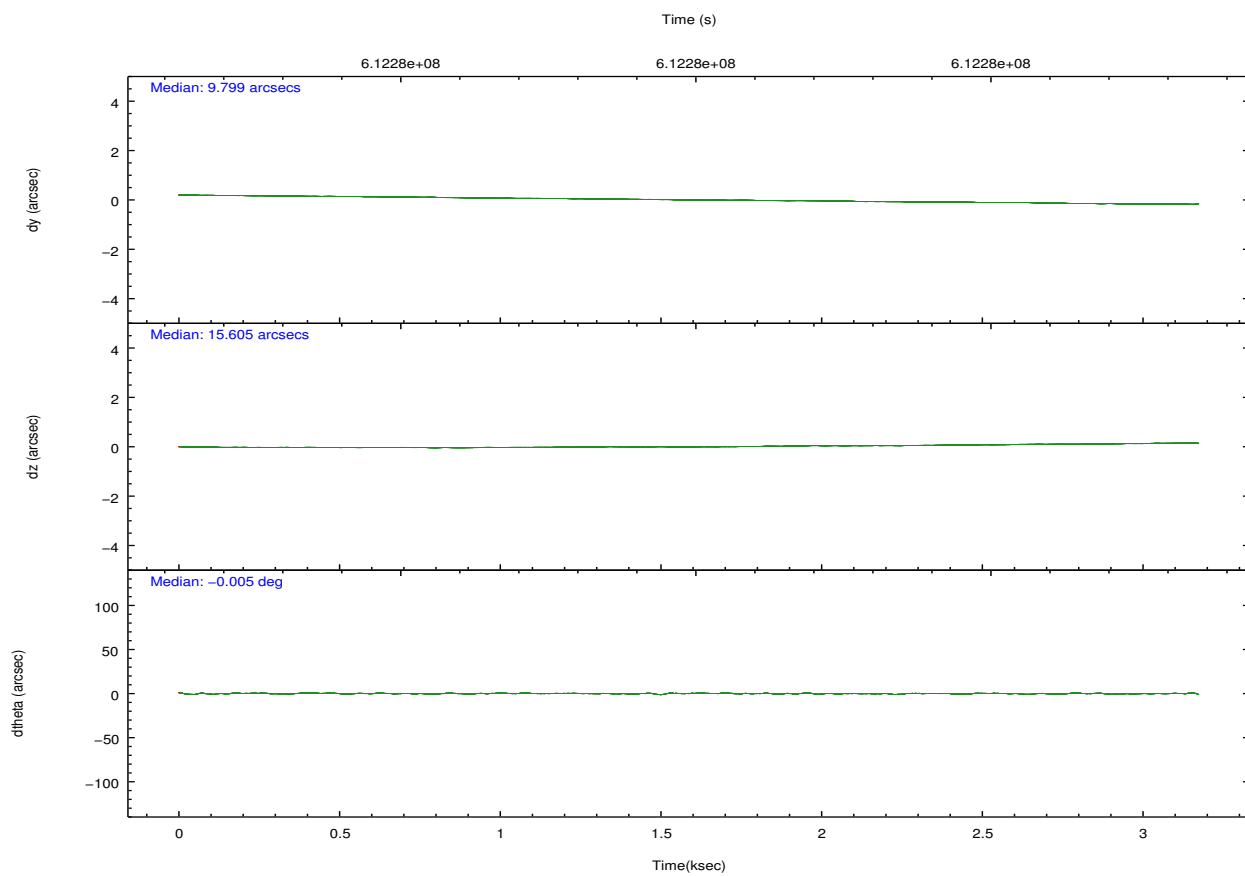
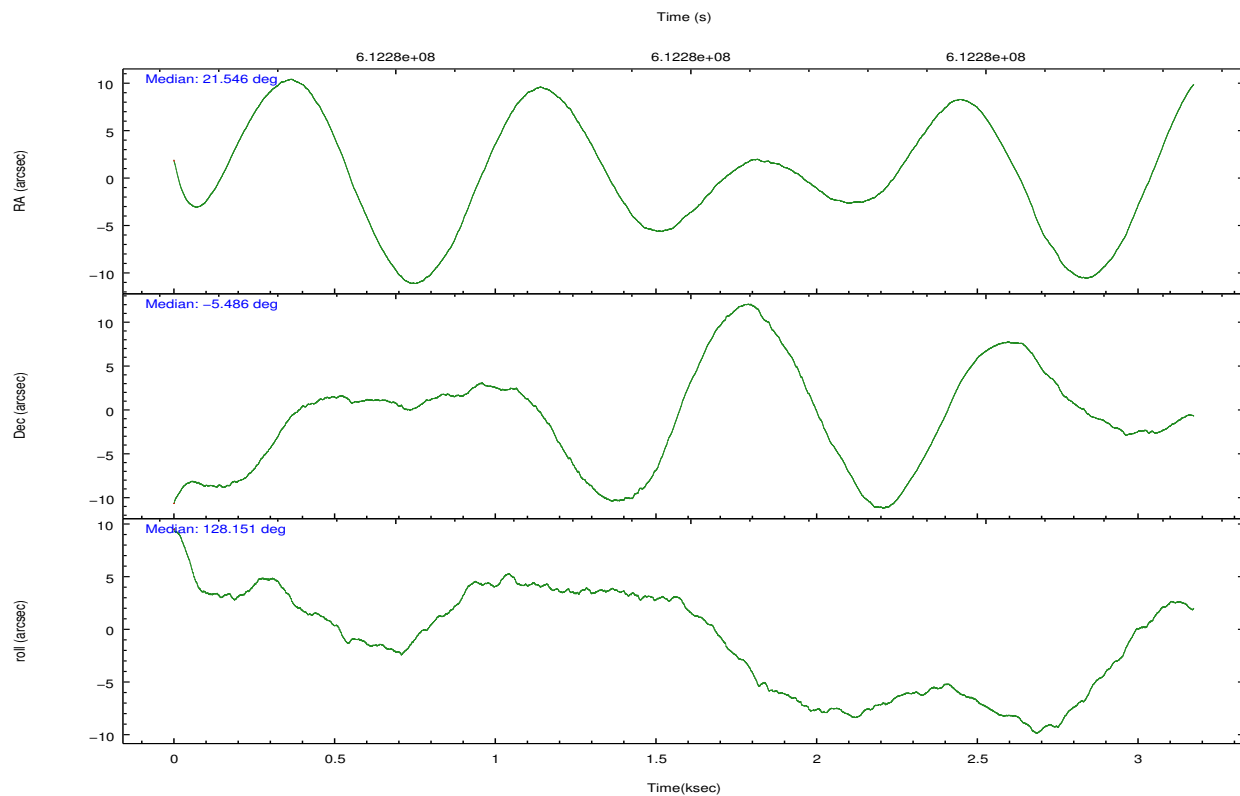
2.2 Compared Parameters

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	21.571250	21.54554187970507
[deg] Pointing Dec	-5.496149	-5.486358025874933
[deg] Pointing Roll	128.002040	128.1561898162819
[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)	612277556.184000	612276234.22286
Observation start date	2017-05-27T13:04:47	2017-05-27T12:43:54
[s] Observation end time (MET)	612280556.184000	612281988.0607001
Observation end date	2017-05-27T13:54:47	2017-05-27T14:19:48
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



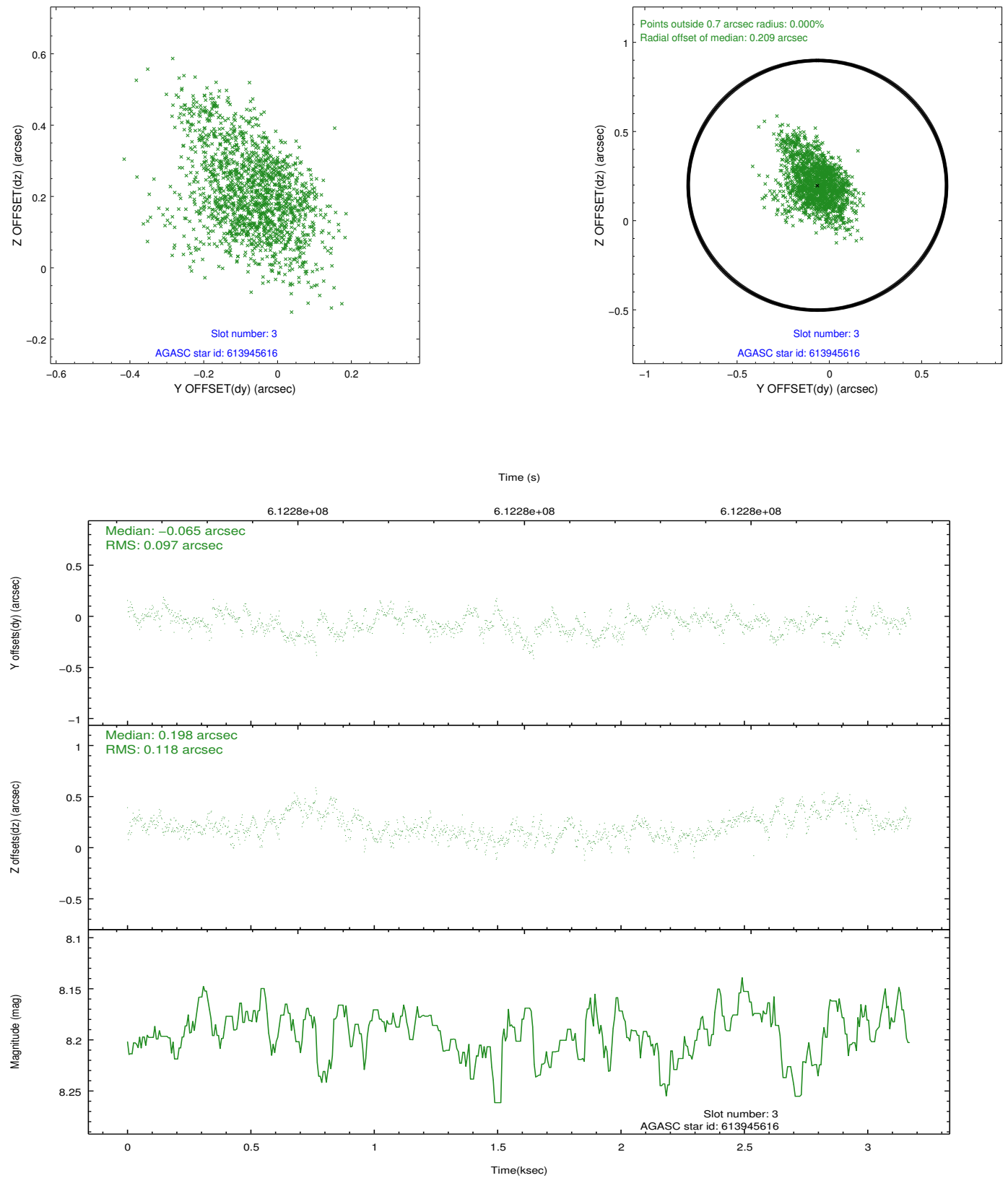


Slot Statistics

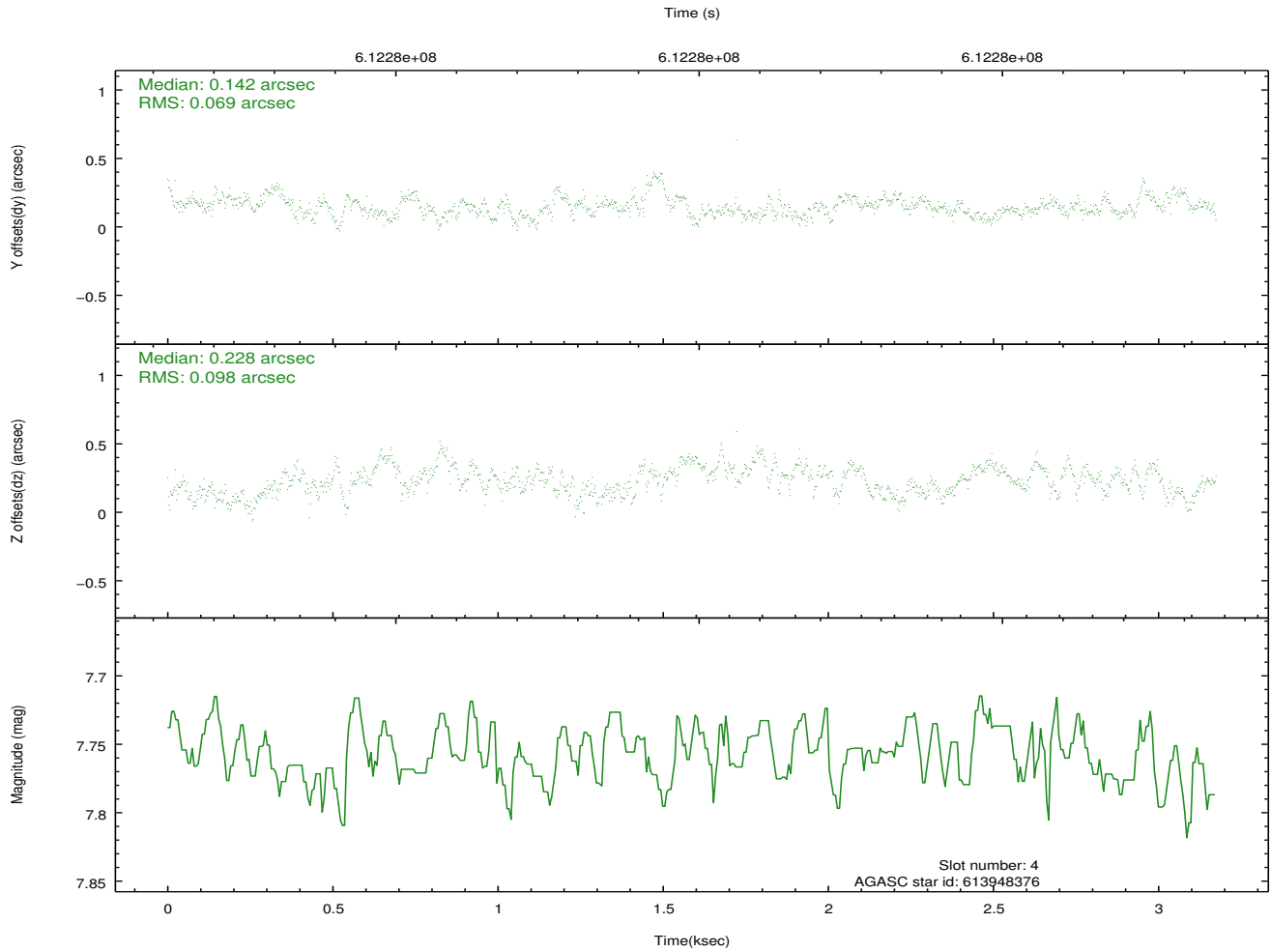
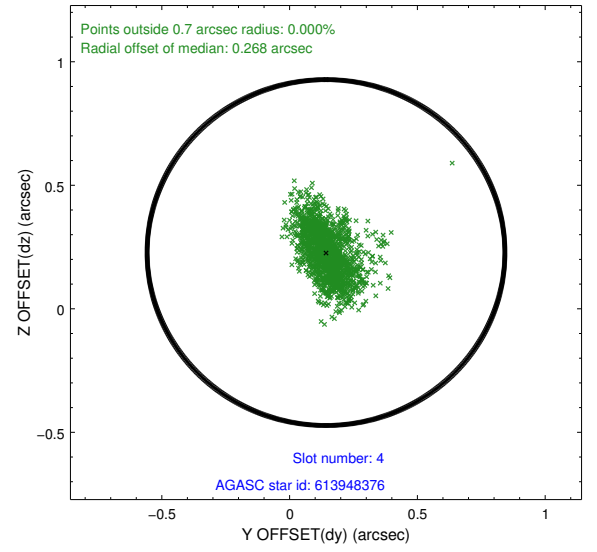
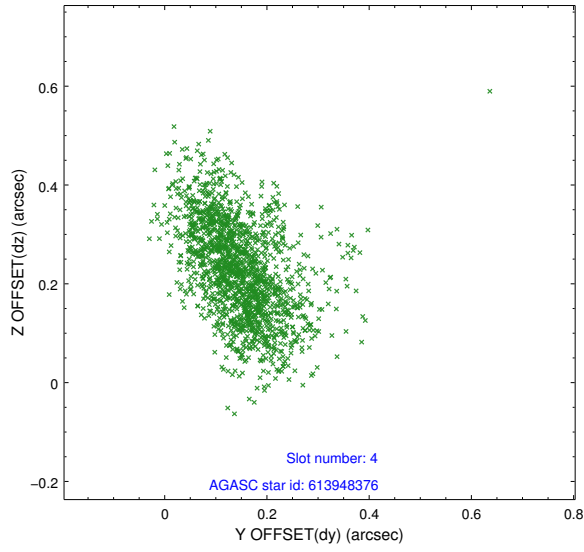
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.07	774	-0.180	-0.056	0.007	0.013	0.000000	0.000000	-762.79	-1737.09
1	FID		ACIS-S-4	7.20	775	0.439	0.102	0.006	0.011	0.000000	0.000000	2150.17	169.50
2	FID		ACIS-S-5	7.19	775	-0.289	-0.038	0.008	0.015	0.000000	0.000000	-1813.19	165.27
3	GUIDE	used	613945616	8.19	1548	-0.065	0.198	0.156	0.279	21.579991	-4.674109	2313.07	-1843.73
4	GUIDE	used	613948376	7.76	1547	0.142	0.228	0.125	0.213	22.255998	-5.700924	-2090.53	-1479.50
5	GUIDE	used	613949208	9.62	1549	-0.107	-0.399	0.237	0.375	21.228248	-5.869919	-308.03	1796.09
6	GUIDE	used	613958232	9.70	1545	-0.004	-0.362	0.259	0.435	21.189055	-5.979402	-527.91	2148.01
7	GUIDE	used	613958704	6.90	1548	0.044	0.324	0.138	0.230	22.473724	-5.595890	-2276.15	-2324.55

2.4 Star Slots

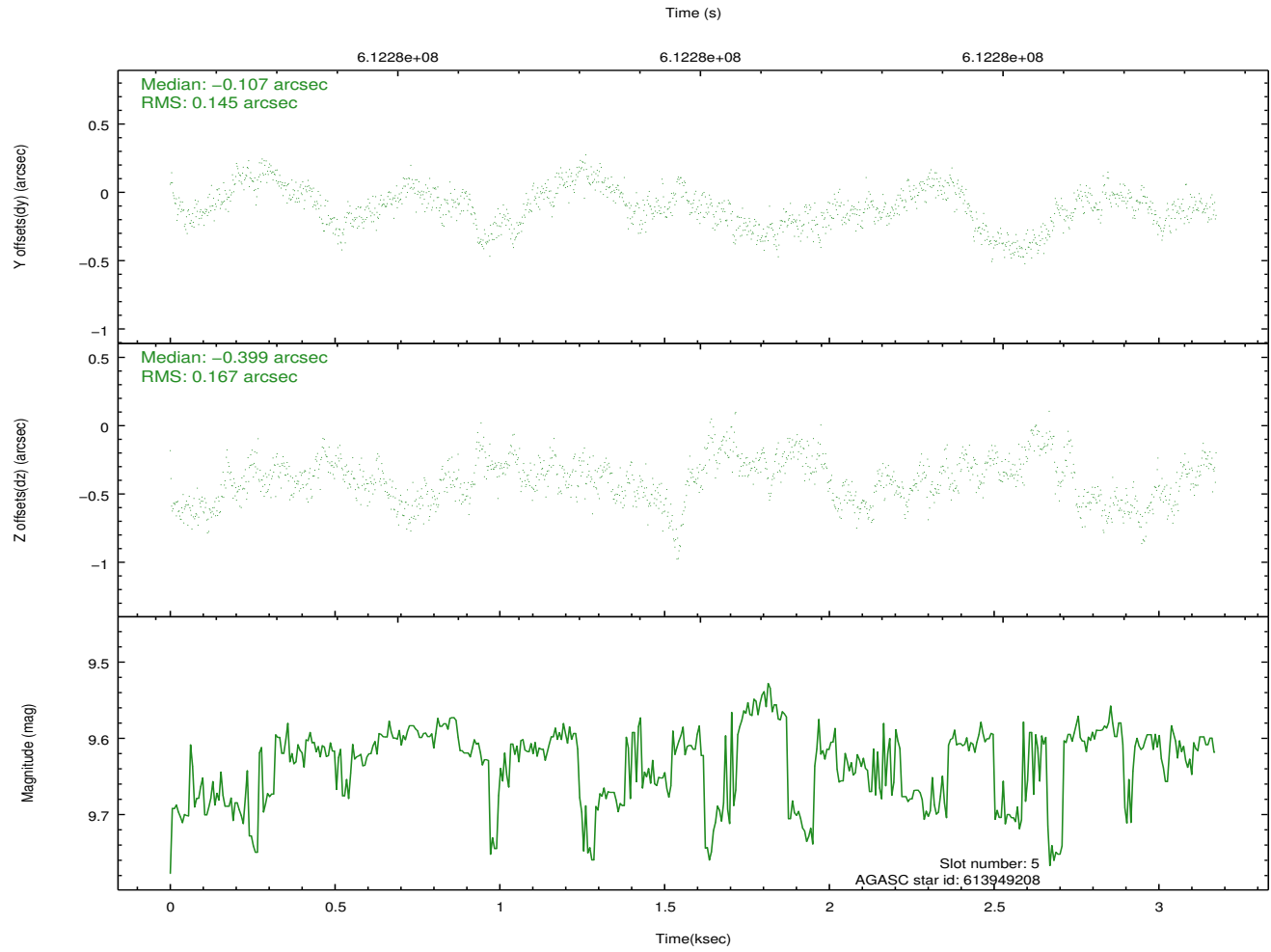
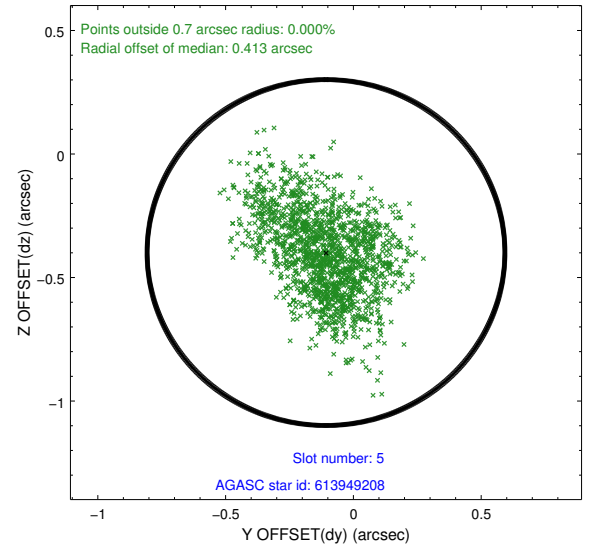
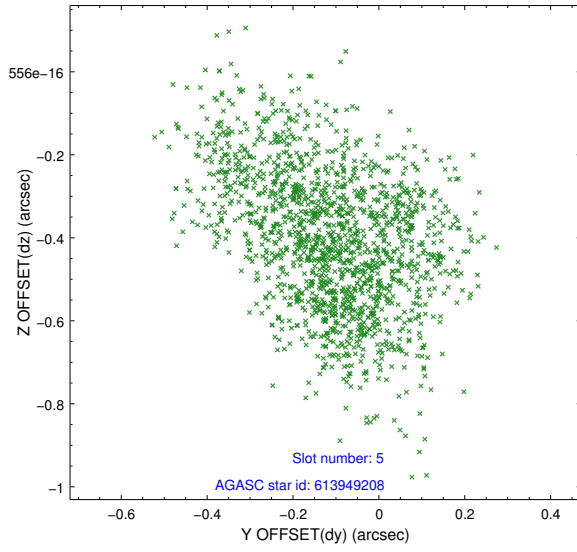
2.4.1 Slot 3



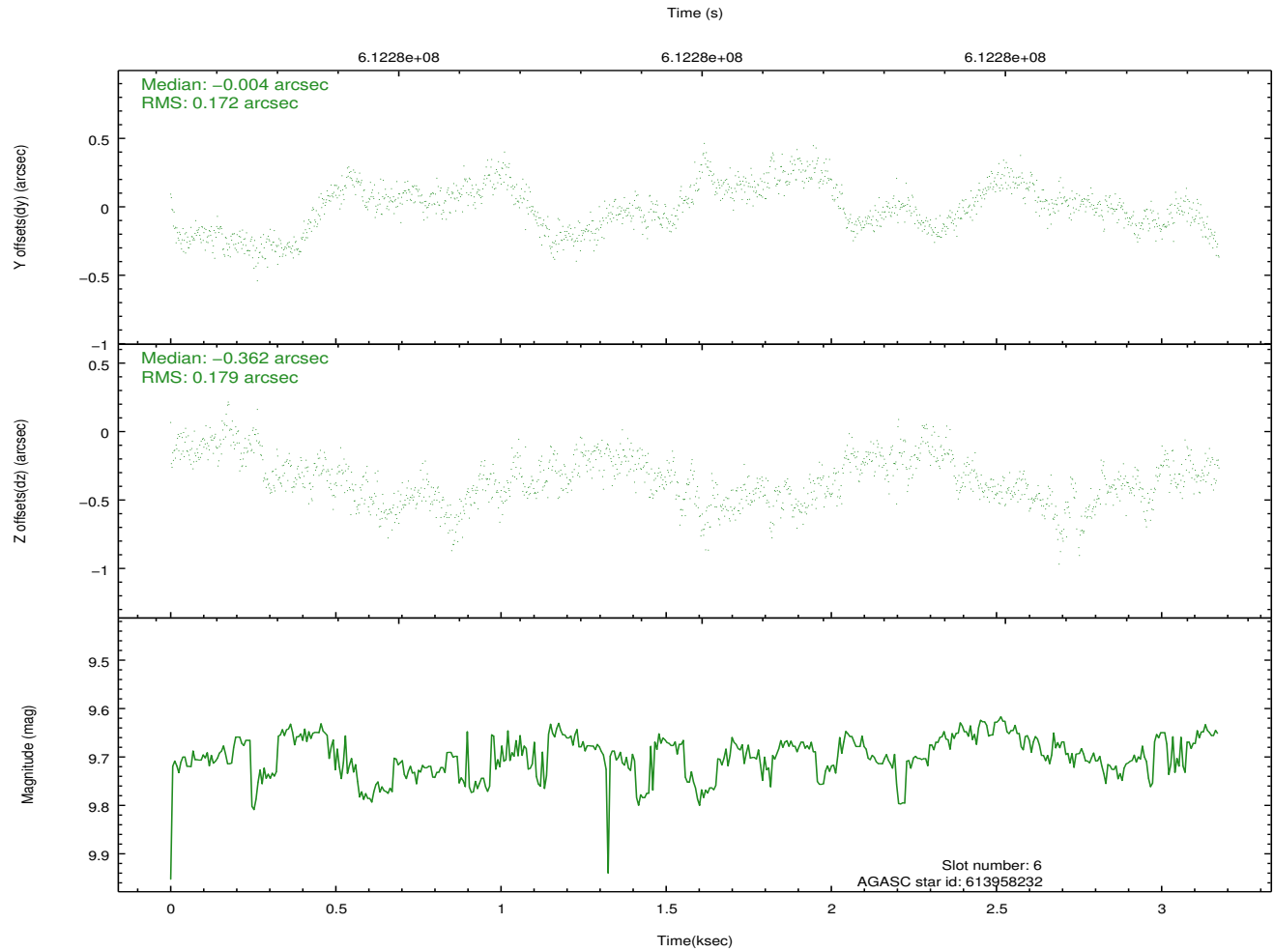
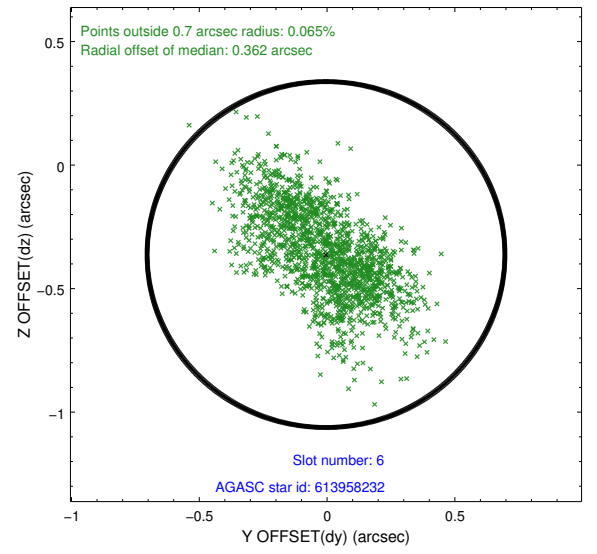
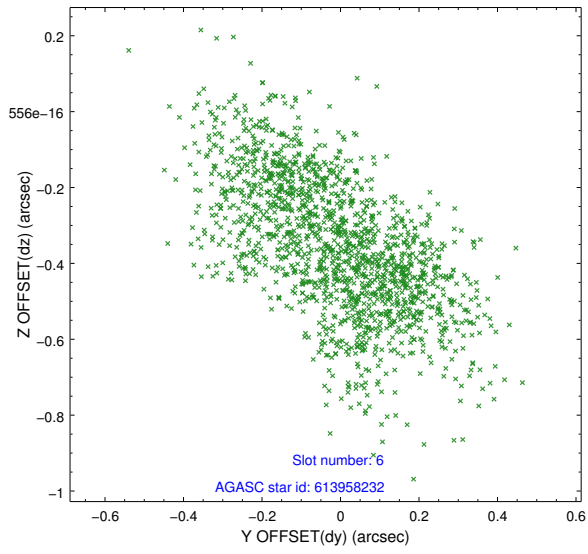
2.4.2 Slot 4



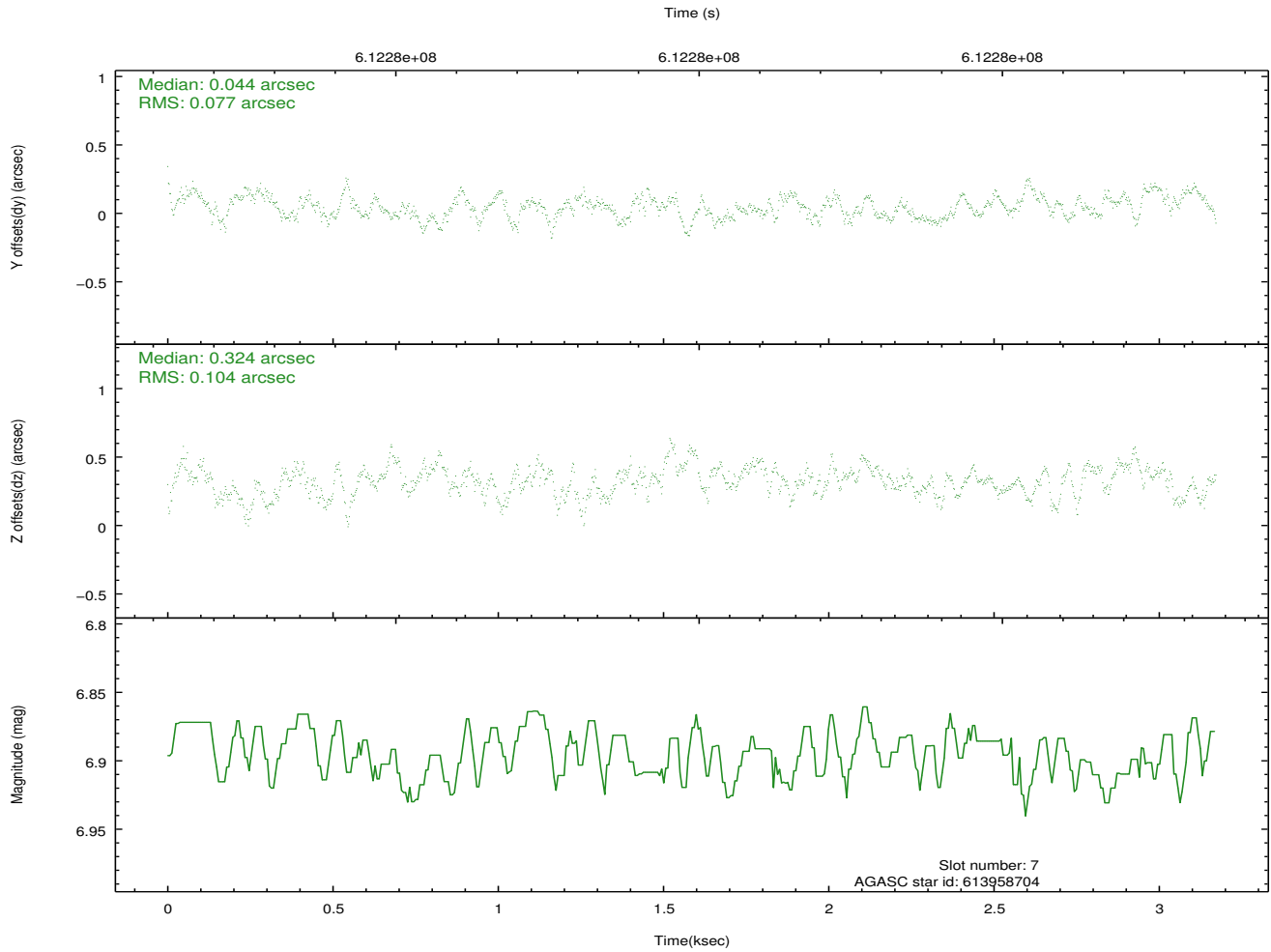
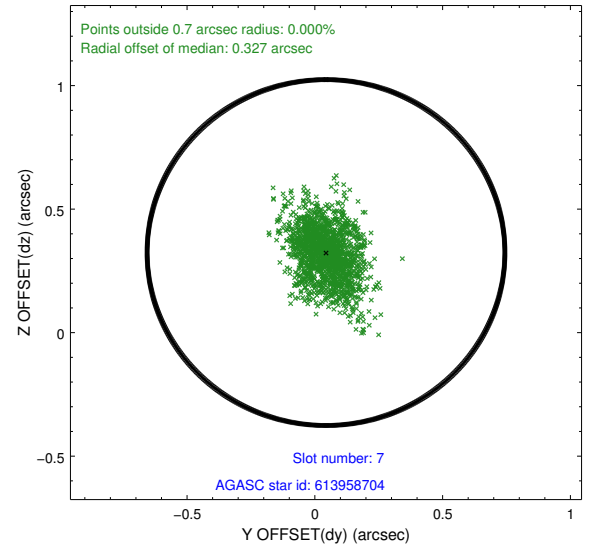
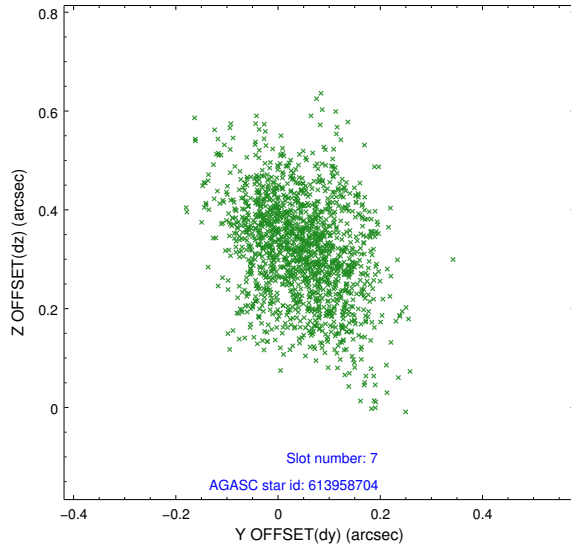
2.4.3 Slot 5



2.4.4 Slot 6

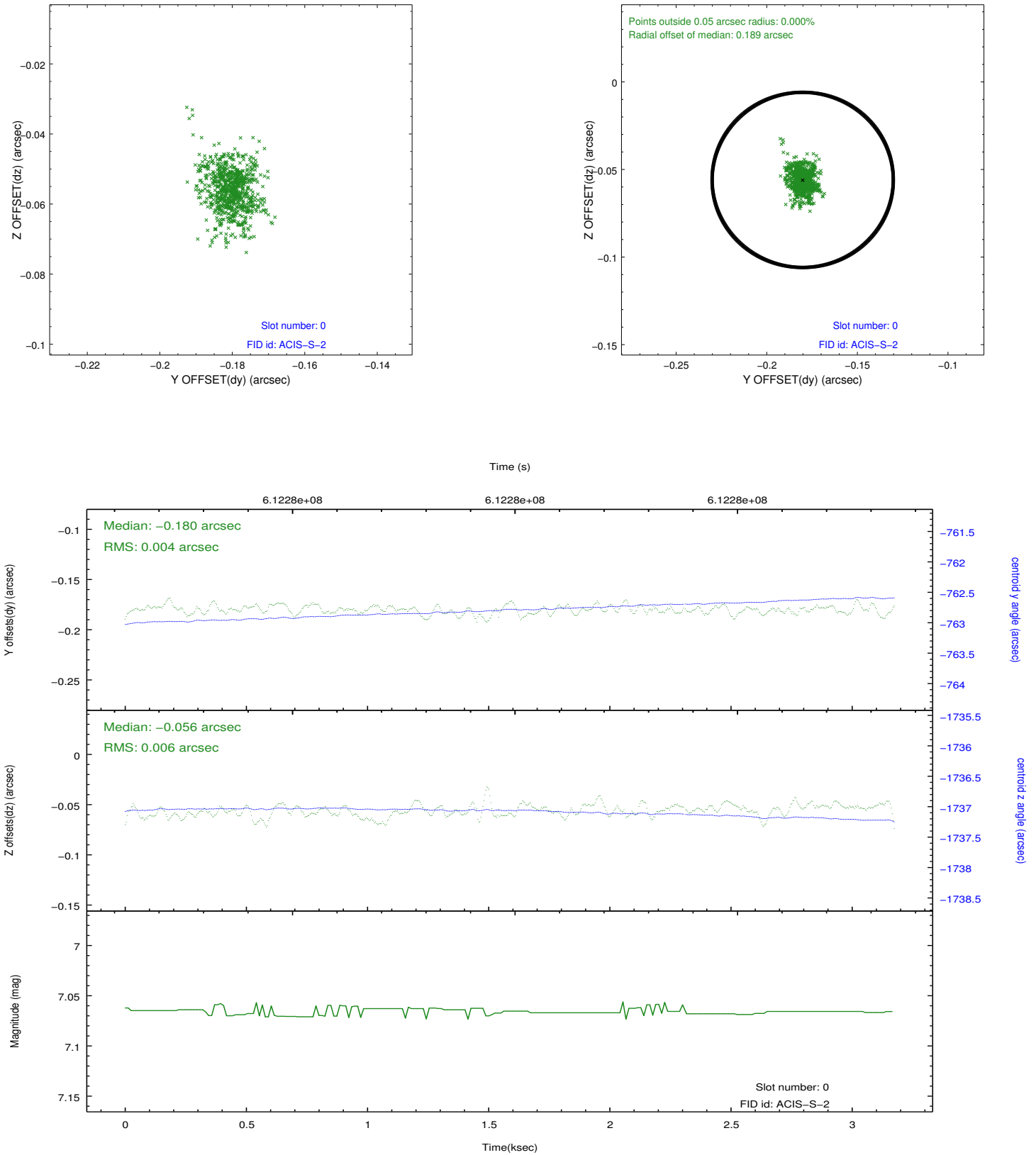


2.4.5 Slot 7

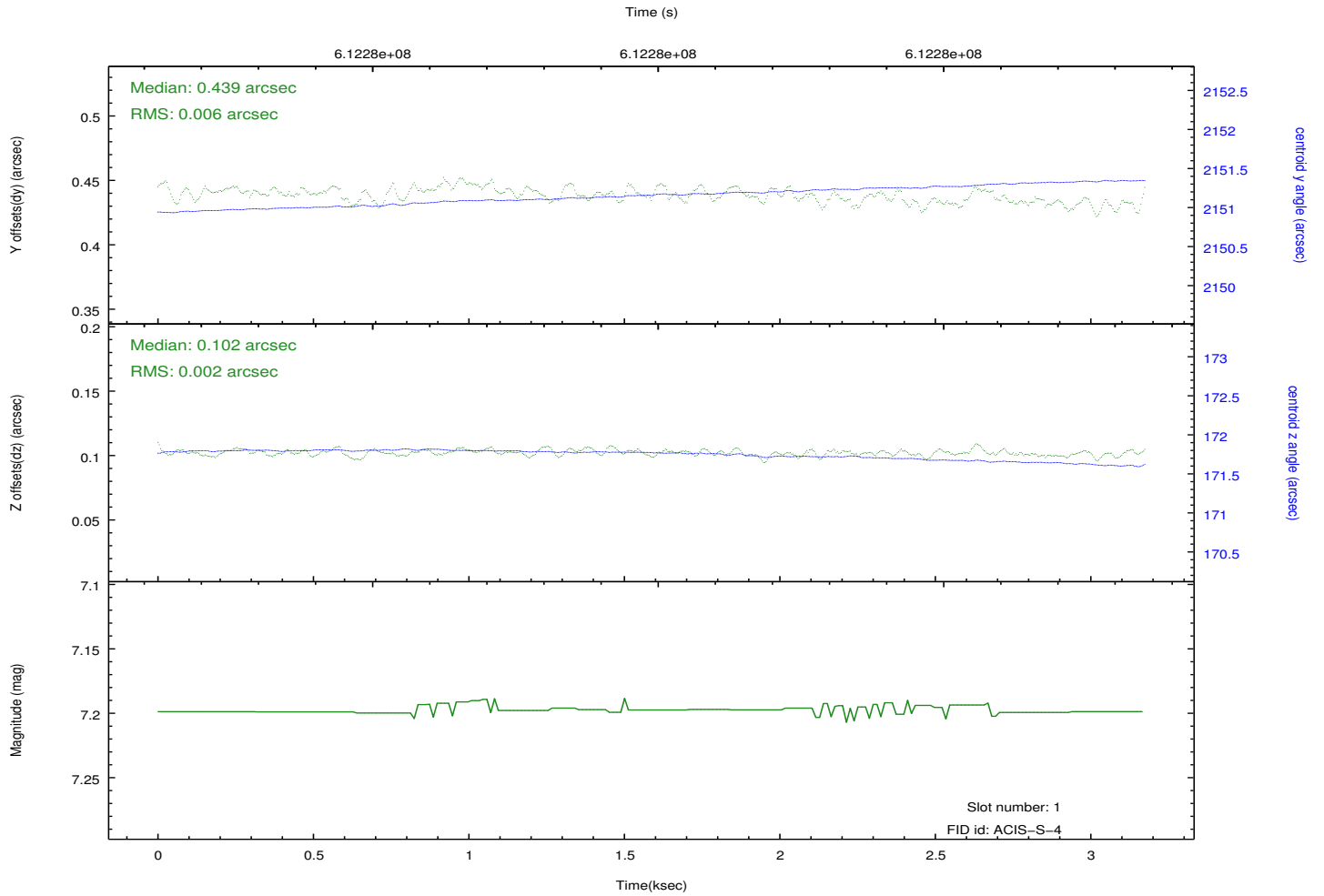
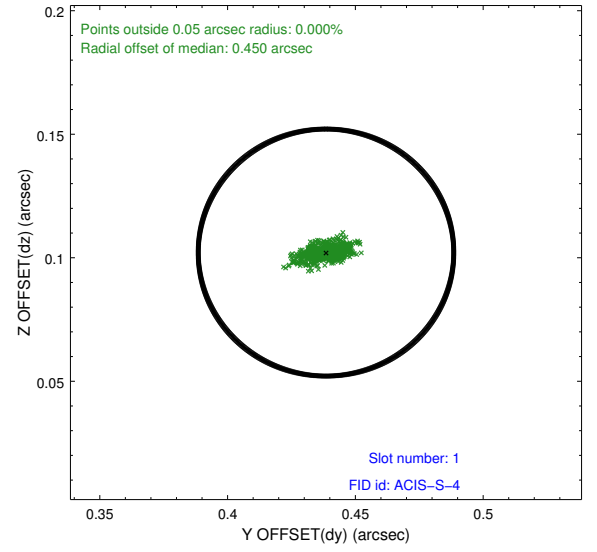
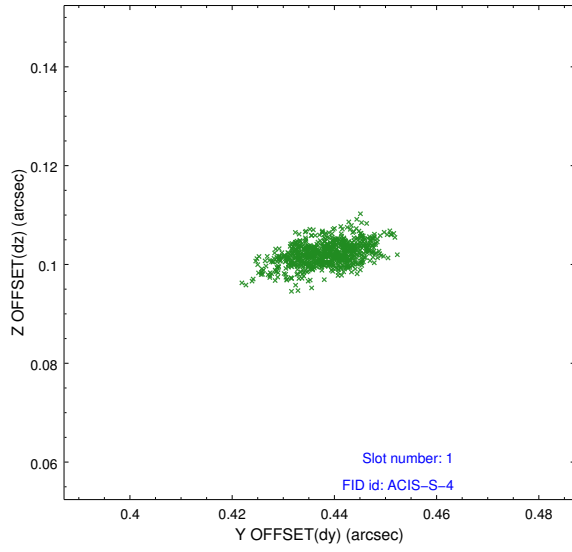


2.5 FID Slots

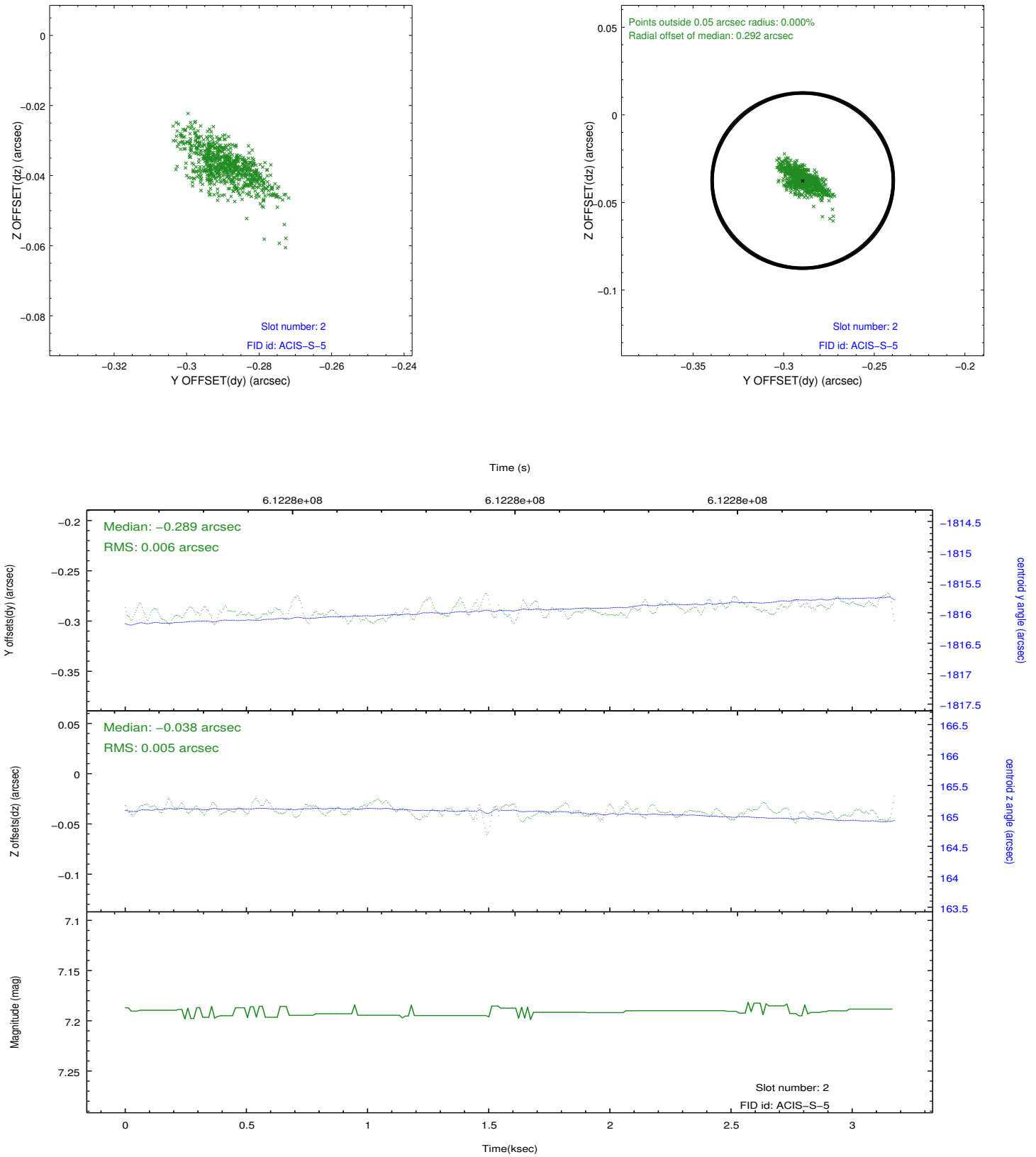
2.5.1 Slot 0



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)	2017.05.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1116288303137

A.2 Comments