

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21460 - L2 Version 1
Chandra X-Ray Center

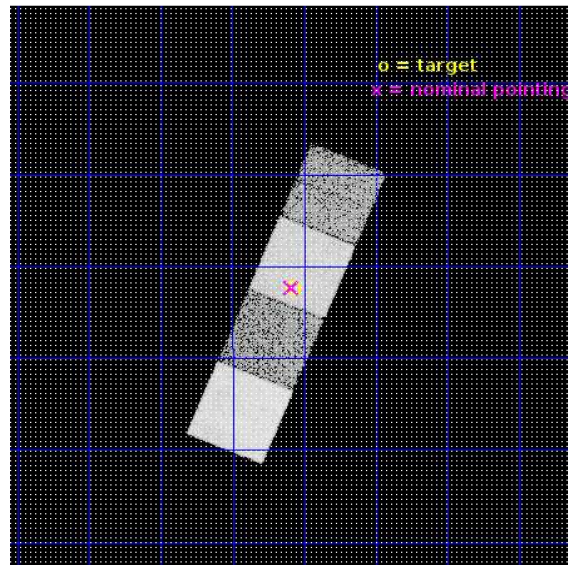
L2 Processing Date : Jan 11 2019

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1 Front

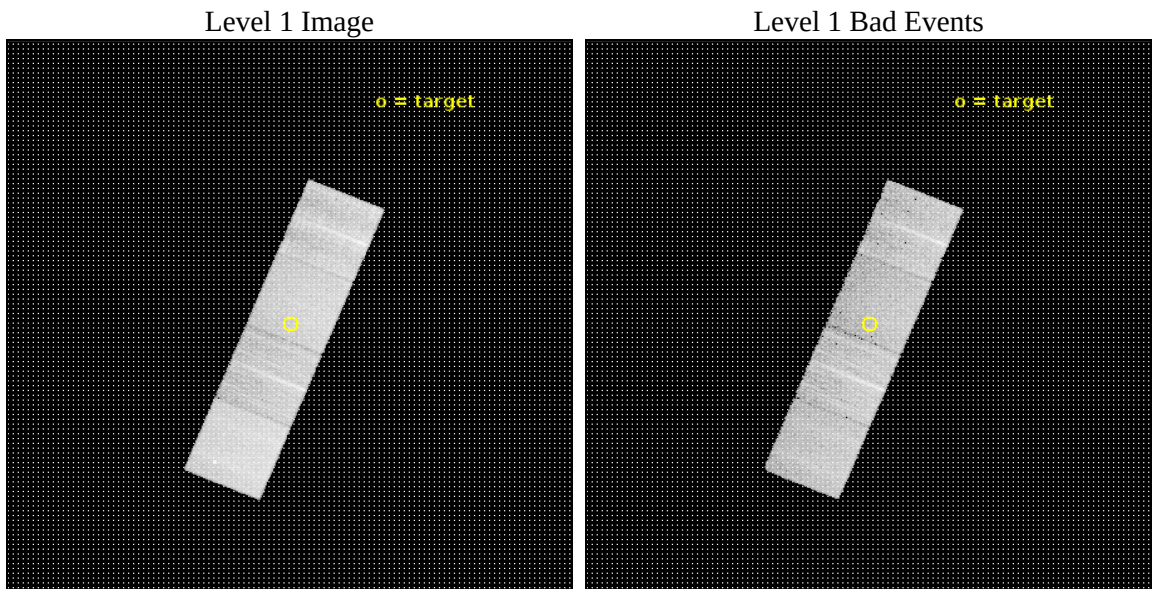
seq_num	703757	Sequence number
obs_id	21460	Observation id
title	An X-ray Study of a Tidal Disruption Event in an AGN Host Galaxy	P
observer	Peter Blanchard	Principal investigator
object	PS16dtm	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	29.519583	Observer's specified target RA [deg]
dec_targ	-0.872694	Observer's specified target Dec [deg]
ra_nom	29.522202893211	Nominal RA [deg]
dec_nom	-0.87191813736995	Nominal Dec [deg]
roll_nom	292.38536732856	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10062.031639934	Sum of GTIs [s]
livetime	9930.5637889979	Livetime [s]
ontime5	10061.99059999	Sum of GTIs [s]
ontime6	10061.949559927	Sum of GTIs [s]
ontime7	10062.031639934	Sum of GTIs [s]
ontime8	10061.908519983	Sum of GTIs [s]
l2events	110761	Number of level 2 events



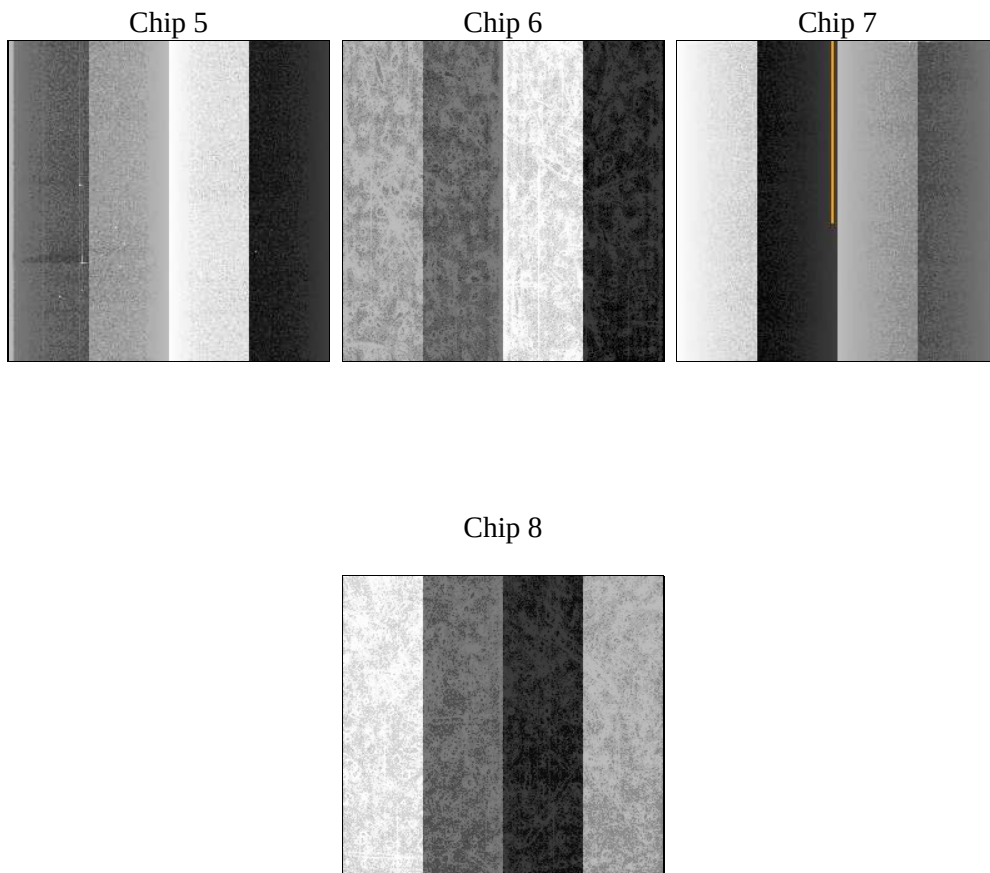
2 OBI

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	10.7.1	Processing system revision	ontime	10062.031639934	Sum of GTIs [s]
caldbver	4.8.2	 	ontime5	10061.99059999	Sum of GTIs [s]
date	2019-01-11T16:59:11	Date and time of file creation	ontime6	10061.949559927	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	10062.031639934	Sum of GTIs [s]
			ontime8	10061.908519983	Sum of GTIs [s]
			l1events	384581	Number of level 1 events

2.1.4 Events

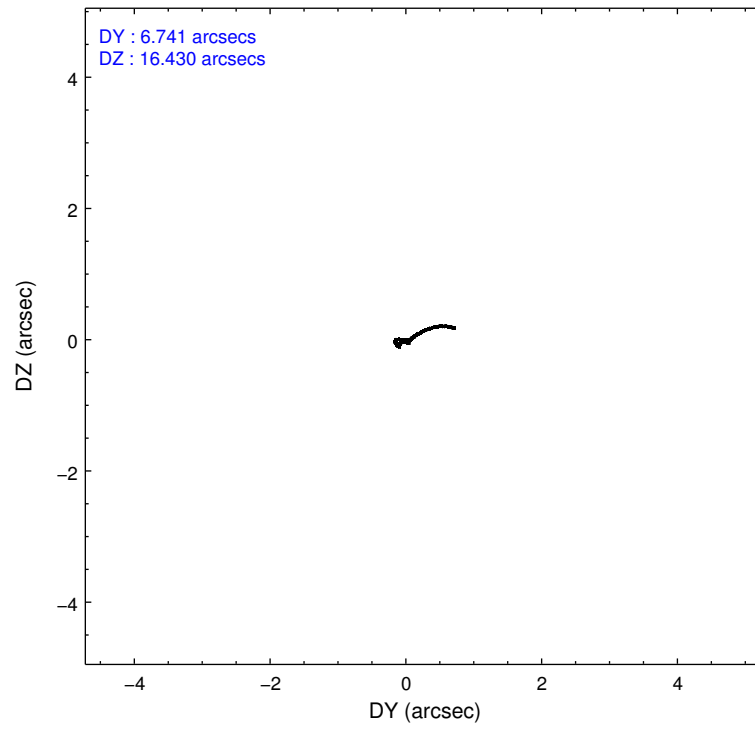
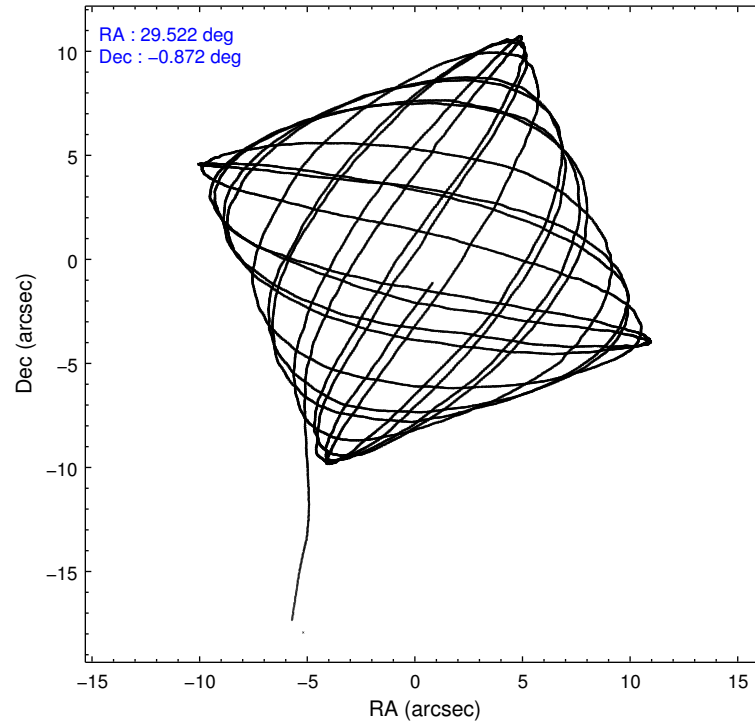
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	117973	78461	94376	93771
rejected events	61674	70068	53592	68524
rejected %	52%	89%	56%	73%

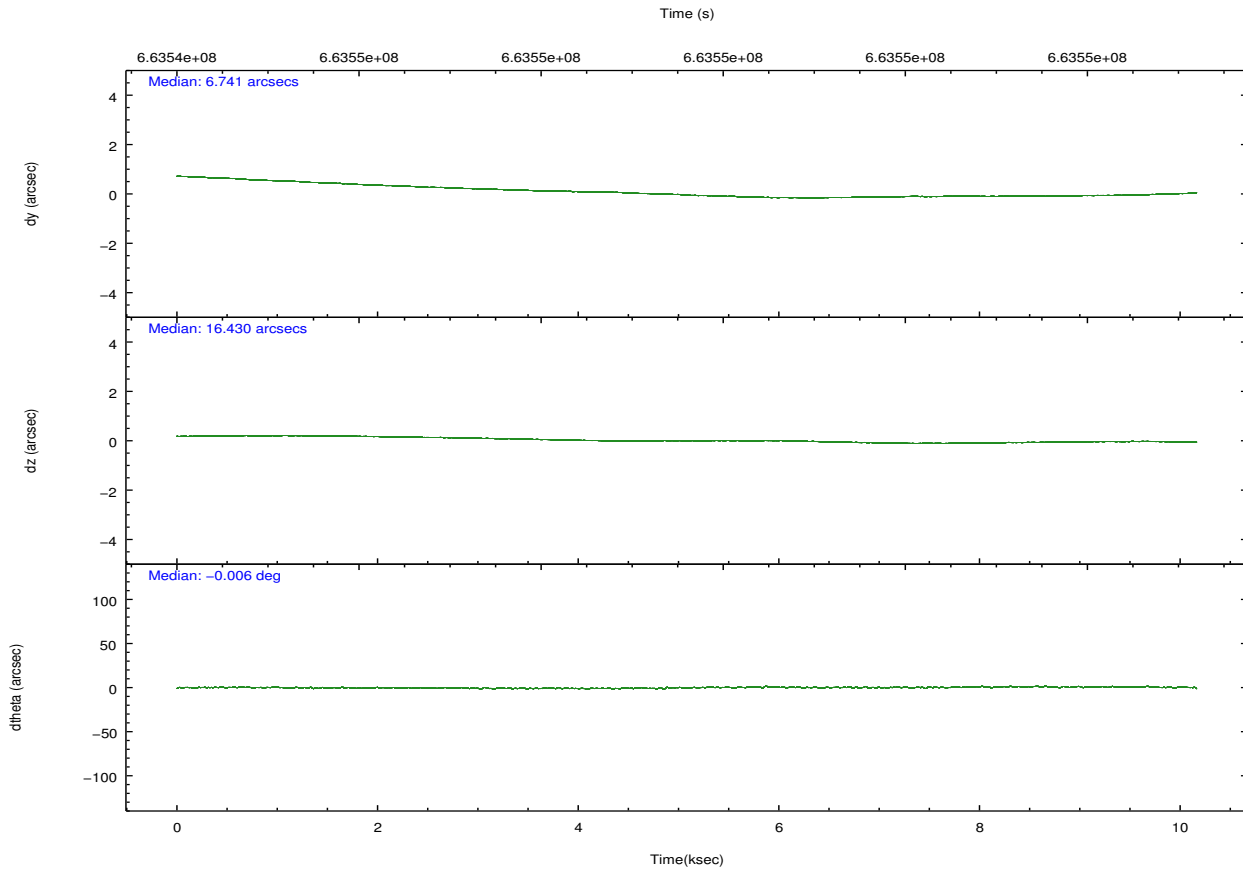
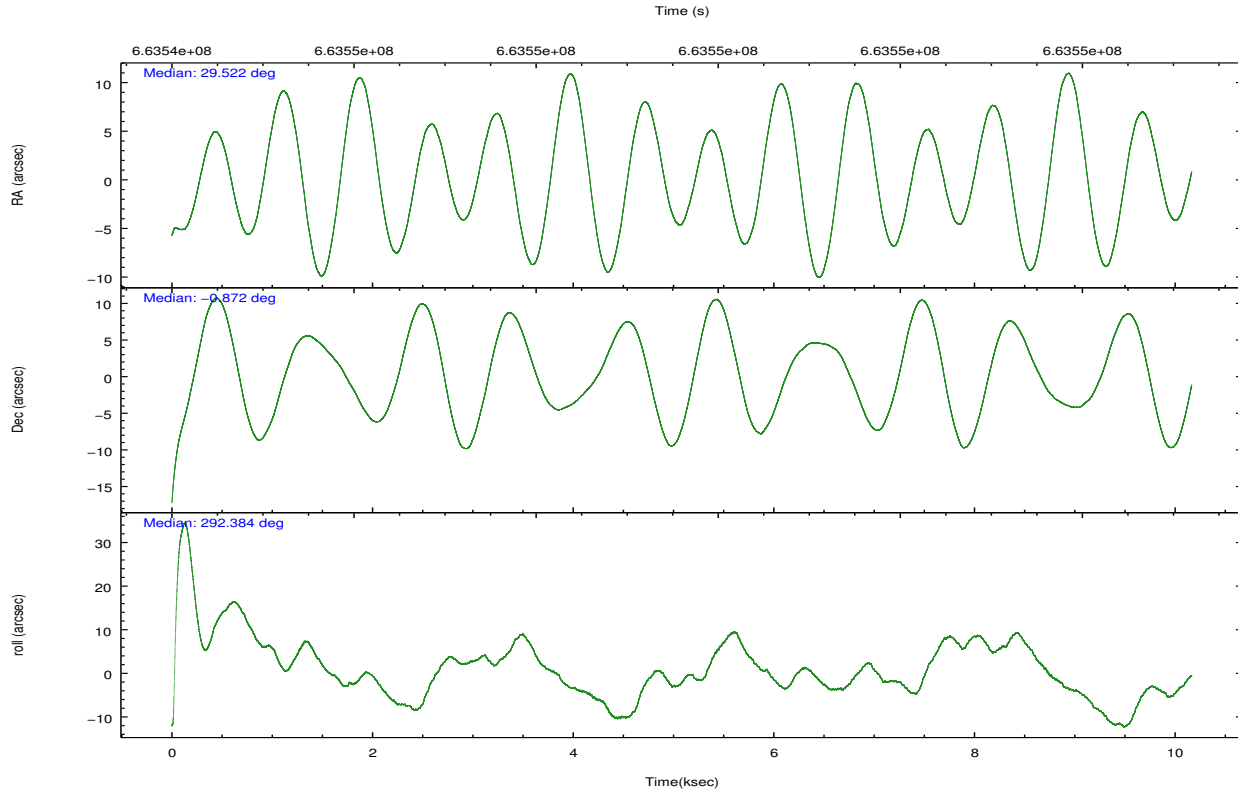
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	3270	2535	3449	7537
	2%	3%	3%	8%
grade 1 events	318	31	145	65
	0%	0%	0%	0%
grade 2 events	17608	2202	8519	6210
	14%	2%	9%	6%
grade 3 events	1642	756	3138	2471
	1%	0%	3%	2%
grade 4 events	1628	741	3138	2331
	1%	0%	3%	2%
grade 5 events	7536	3233	9276	5189
	6%	4%	9%	5%
grade 6 events	32196	2165	22565	6721
	27%	2%	23%	7%
grade 7 events	53775	66798	44146	63247
	45%	85%	46%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	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	29.500271	29.52220289321118	Subarray requested	NONE	NONE
[deg] Pointing Dec	-0.855412	-0.8719181373699512	Alternating exposures requested	N	N
[deg] Pointing Roll	292.228472	292.3853673285619	[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)	663544698.184000	663543784.81323			
Observation start date	2019-01-10T21:57:09	2019-01-10T21:43:04			
[s] Observation end time (MET)	663554698.184000	663555476.98893			
Observation end date	2019-01-11T00:43:49	2019-01-11T00:57:56			
Read mode	TIMED	TIMED			

2.3 Aspect



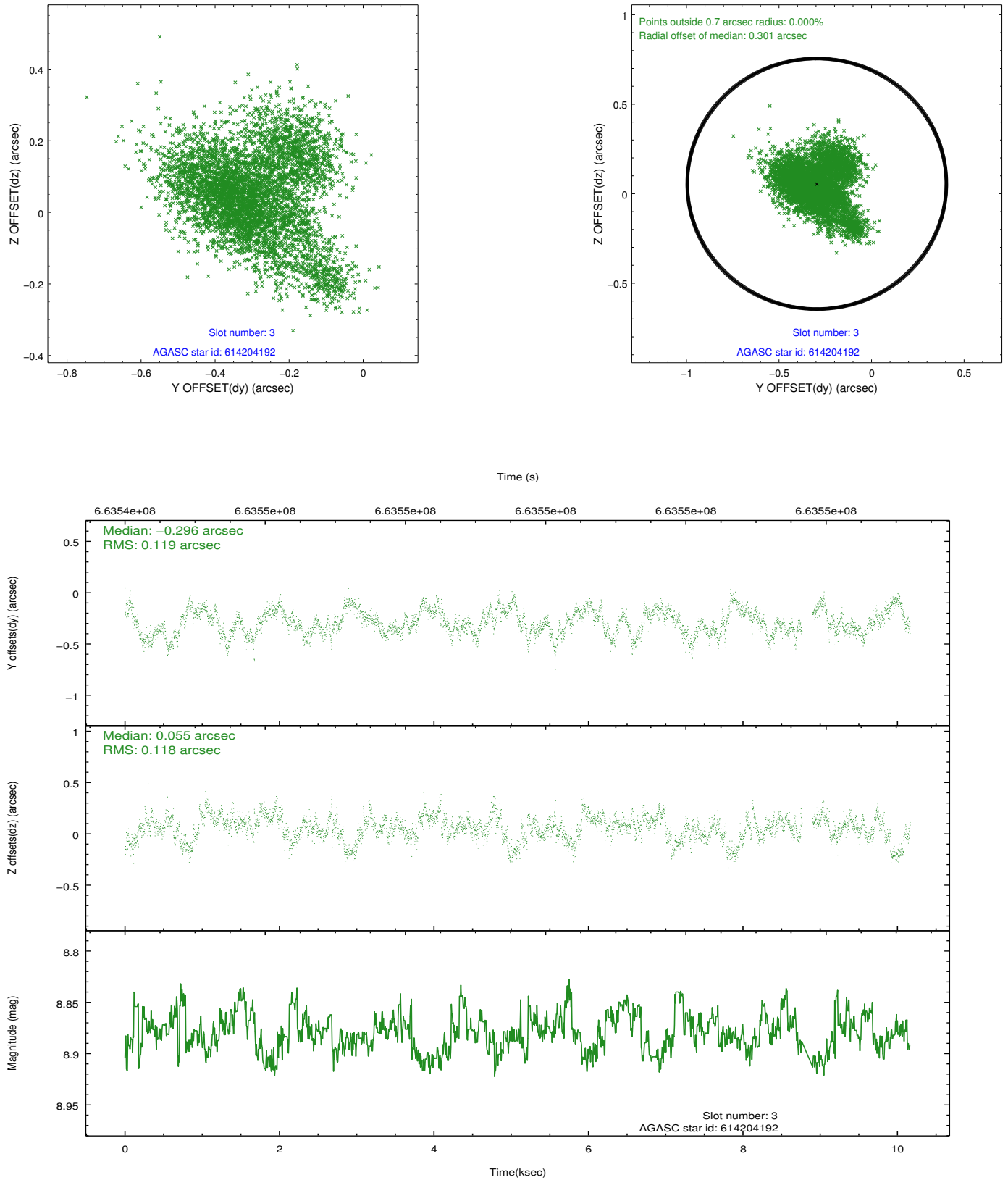


Slot Statistics

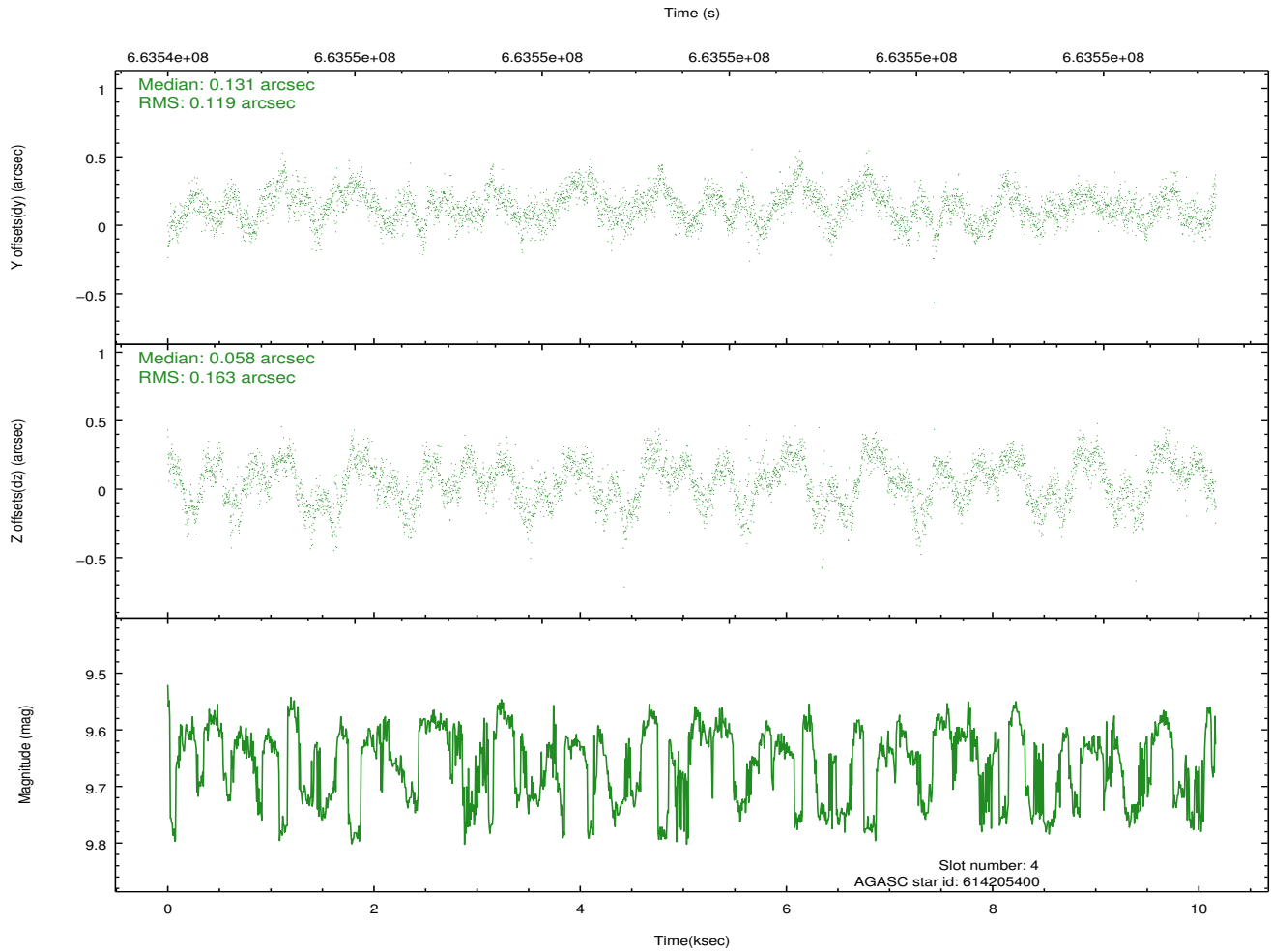
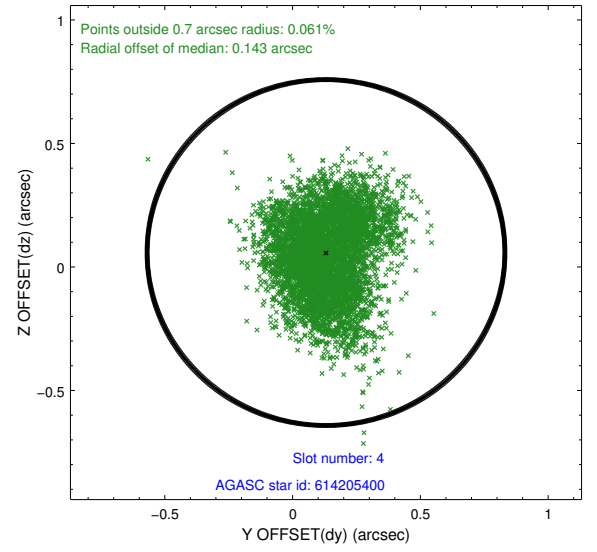
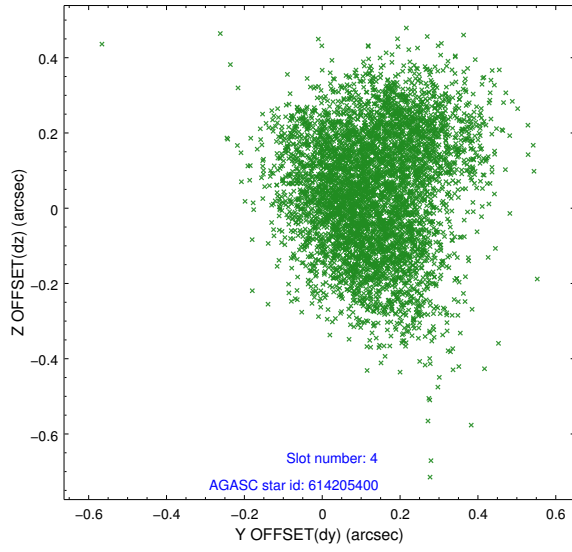
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.04	2480	1.000	-0.279	-0.127	0.013	0.023	0.000000	0.000000	-759.82	-1738
1	FID		ACIS-S-4	7.18	2480	1.000	0.568	0.169	0.008	0.014	0.000000	0.000000	2154.01	170
2	FID		ACIS-S-5	7.14	2480	1.000	-0.318	-0.033	0.014	0.036	0.000000	0.000000	-1812.09	164
3	GUIDE	used	614204192	8.88	4885	1.000	-0.296	0.055	0.176	0.300	29.866026	-0.253029	-1507.61	2039
4	GUIDE	used	614205400	9.64	4941	1.000	0.131	0.058	0.215	0.335	29.530659	-0.419662	-1408.36	695
5	GUIDE	used	614206064	8.68	4956	1.000	0.072	-0.009	0.093	0.152	29.788440	-1.006441	895.20	755
6	GUIDE	used	614605472	9.40	4951	1.000	0.046	0.004	0.173	0.272	30.188132	-1.121699	1824.74	1929
7	GUIDE	used	614606264	9.44	4949	1.000	0.037	-0.059	0.184	0.342	30.048555	-1.174884	1811.76	1392

2.4 Star Slots

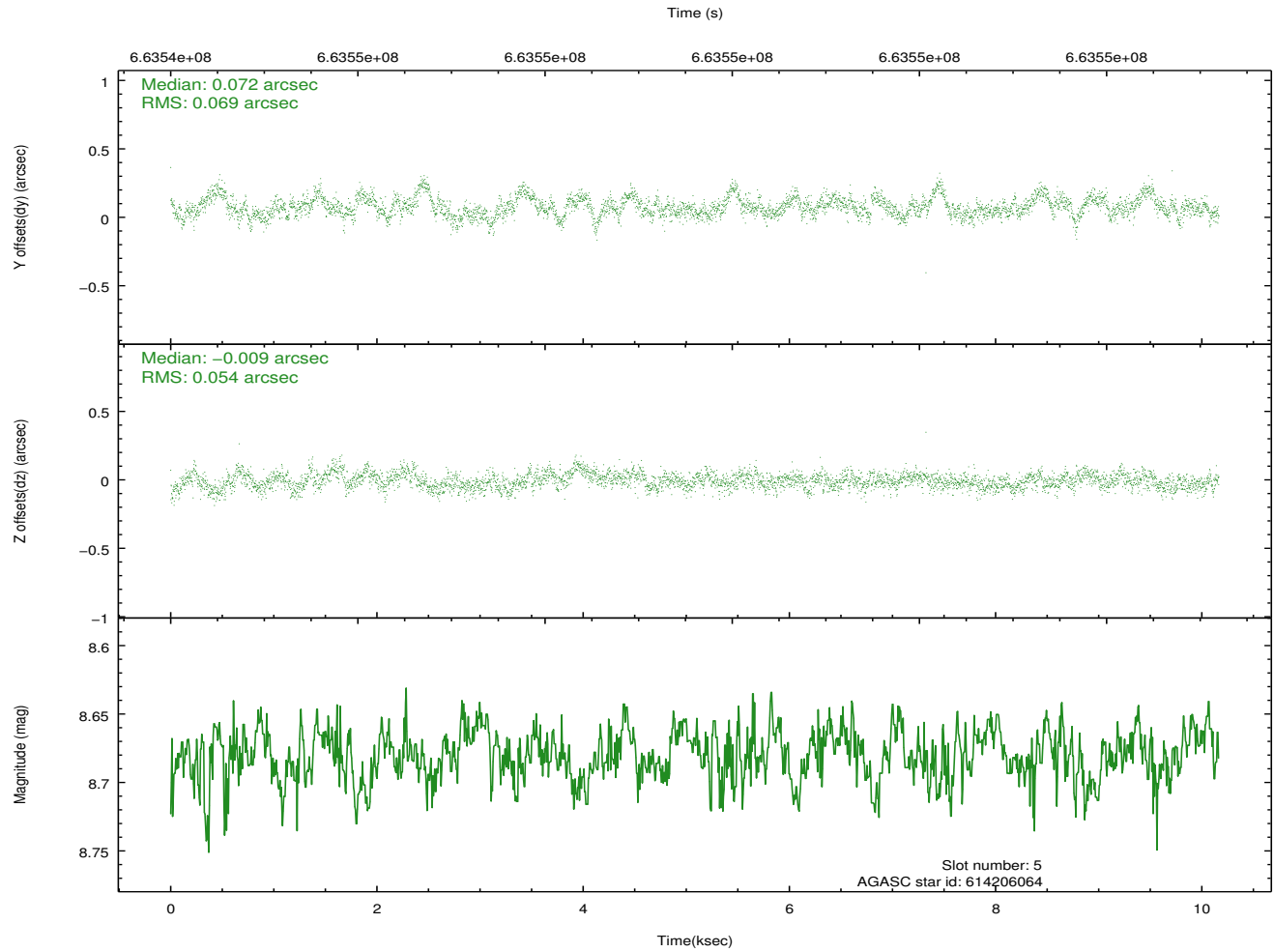
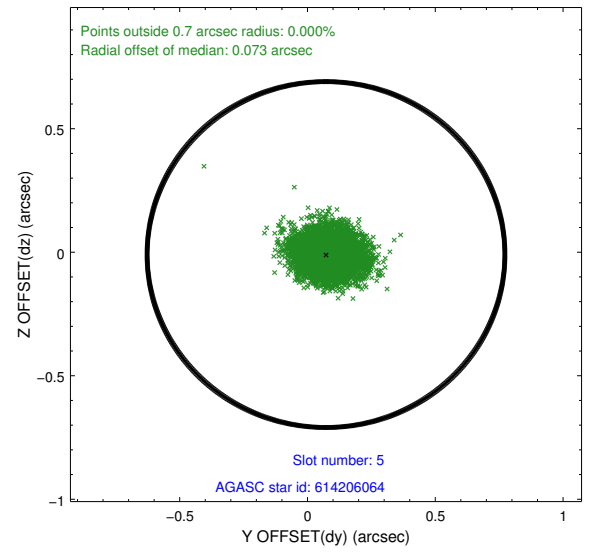
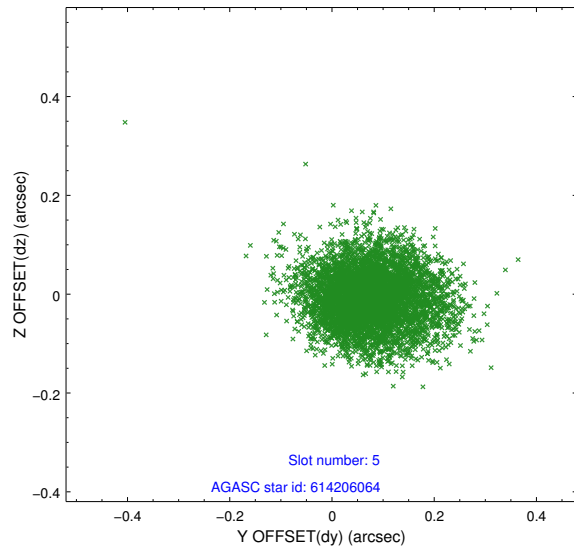
2.4.1 Slot 3



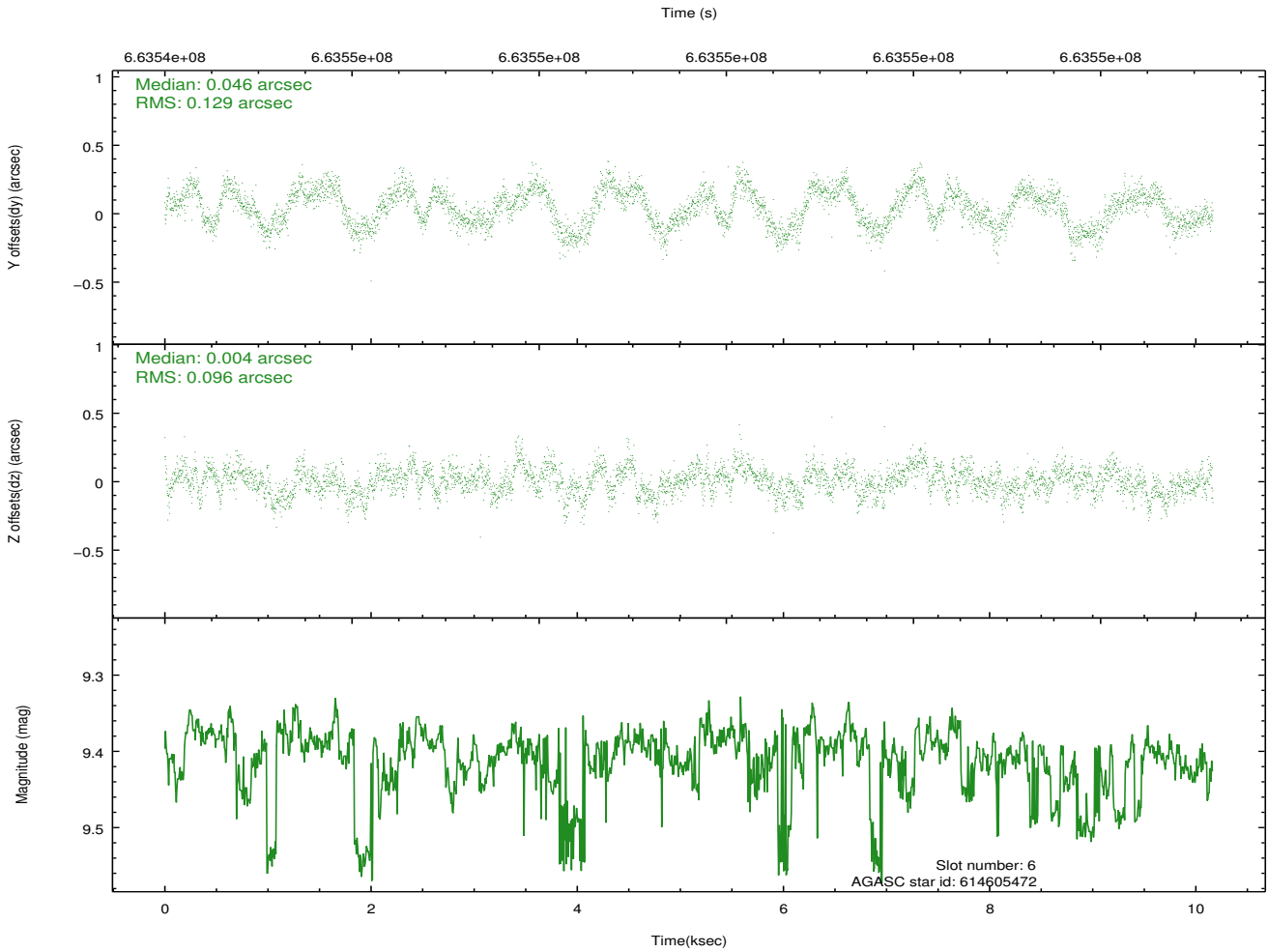
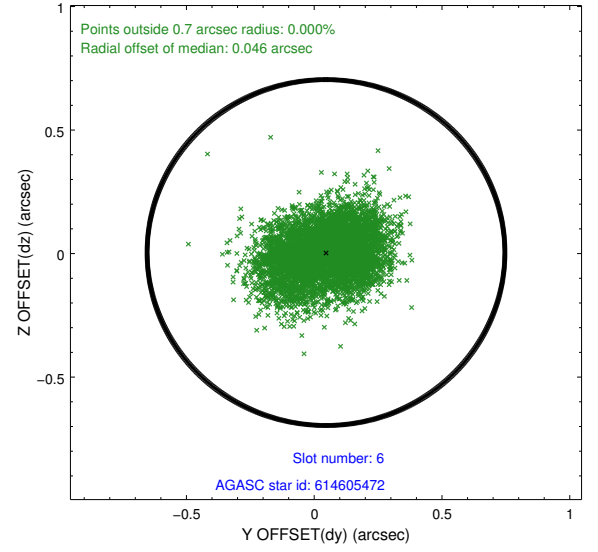
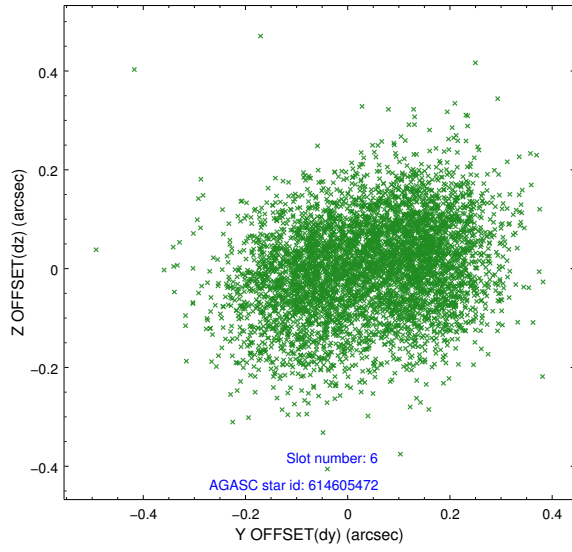
2.4.2 Slot 4



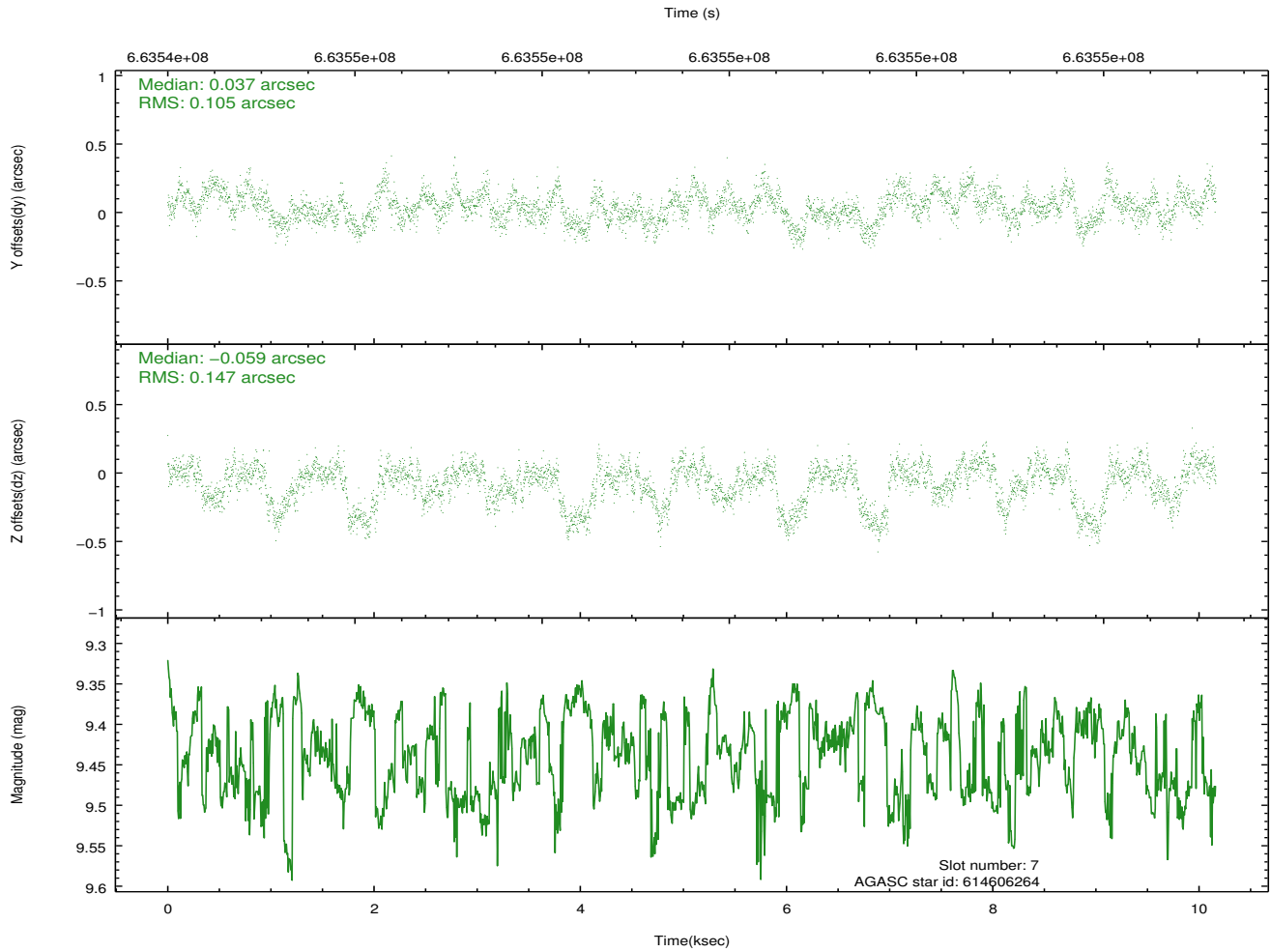
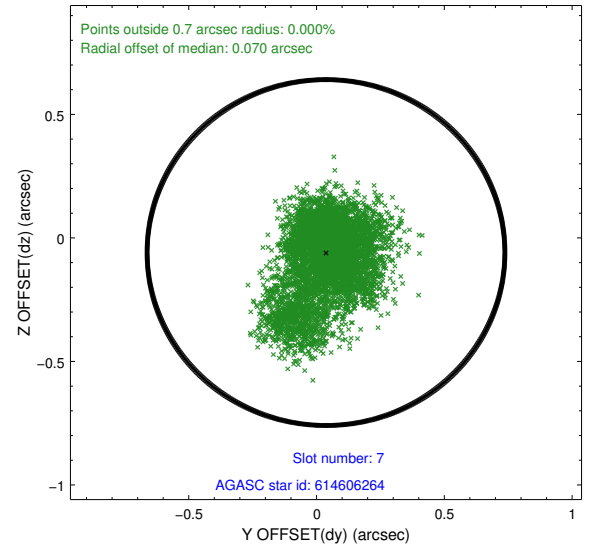
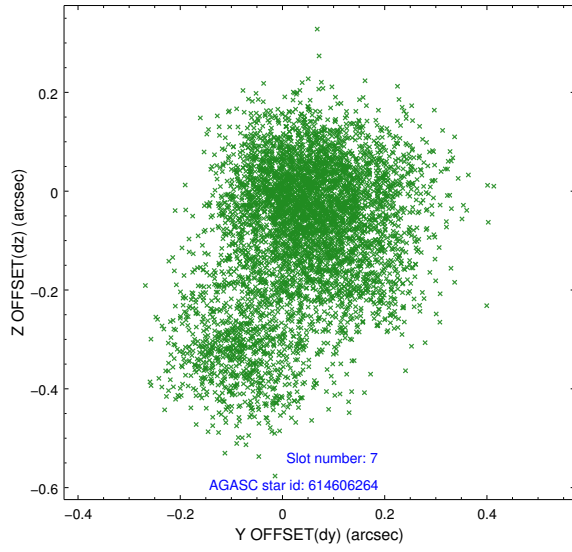
2.4.3 Slot 5



2.4.4 Slot 6

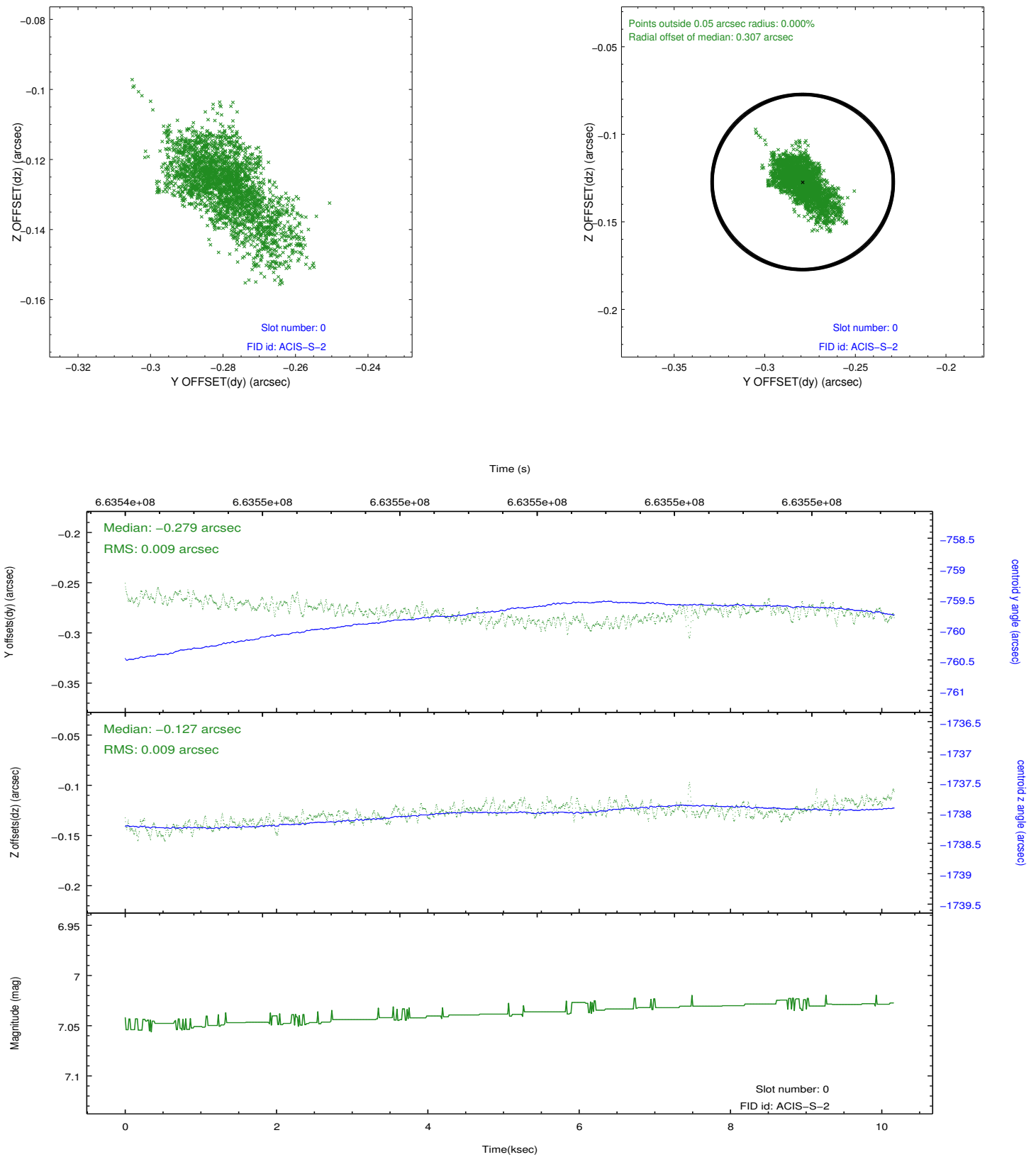


2.4.5 Slot 7

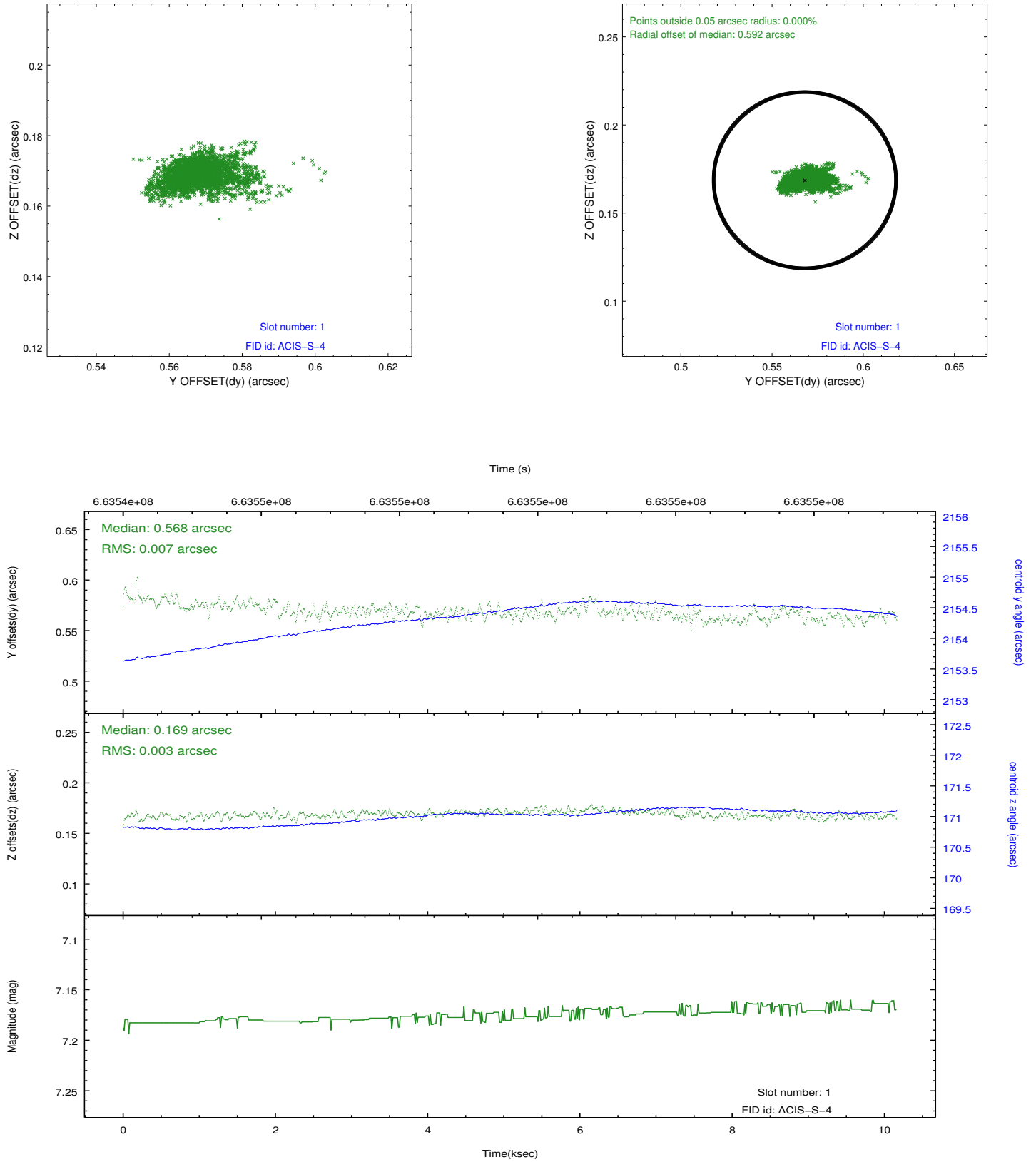


2.5 FID Slots

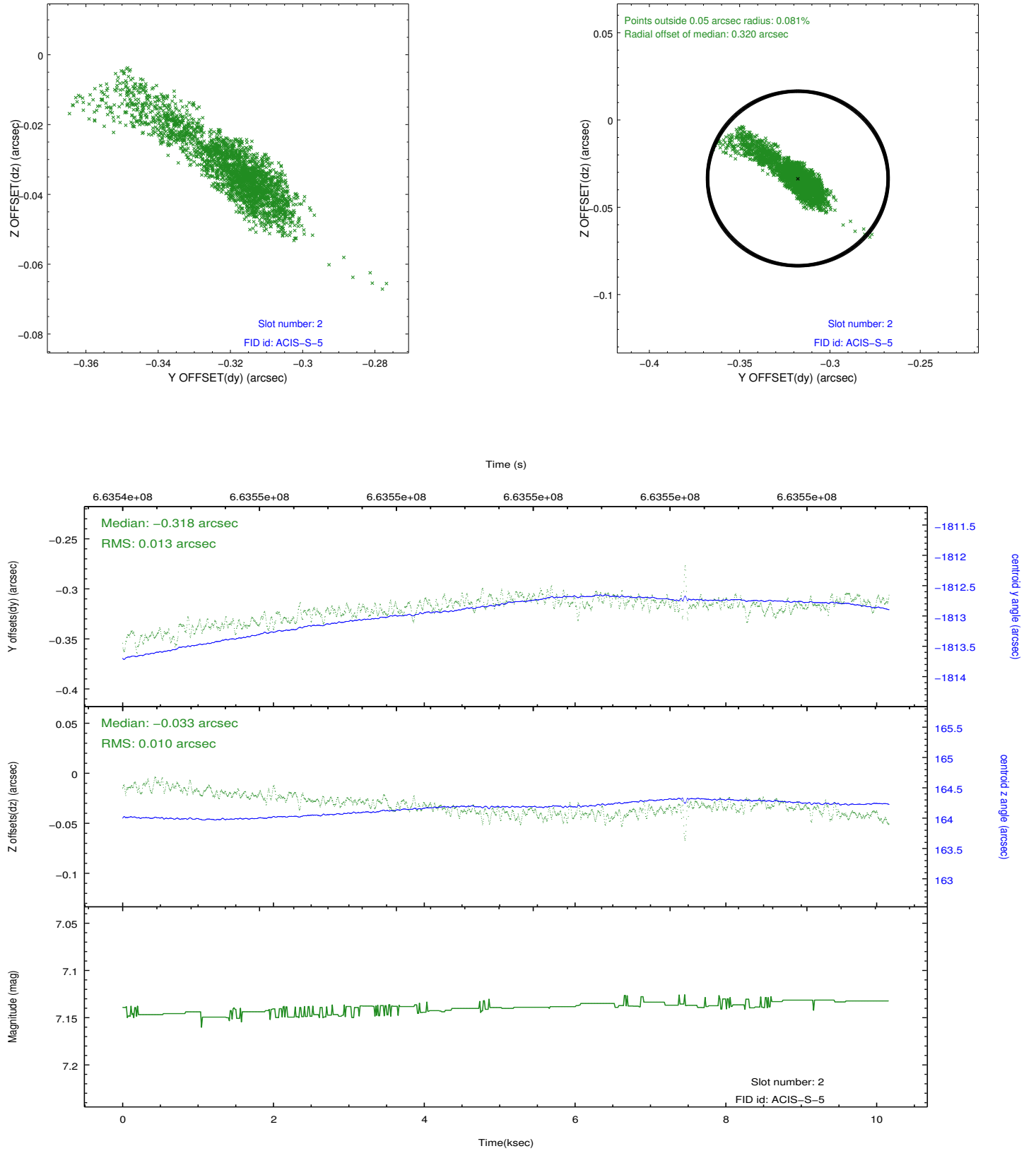
2.5.1 Slot 0



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)	2019.01.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.062031639934

A.2 Comments