

V&V Reference Report

L2 ASCDS Version : 10.8

Observation 21434 - L2 Version 1
Chandra X-Ray Center

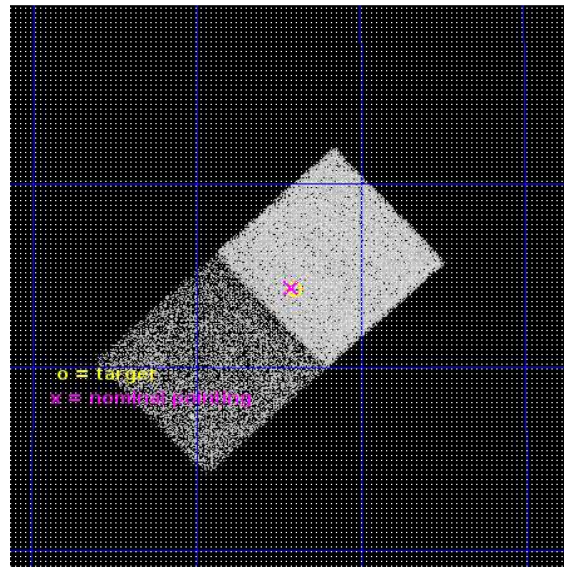
L2 Processing Date : Aug 13 2019

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1 Front

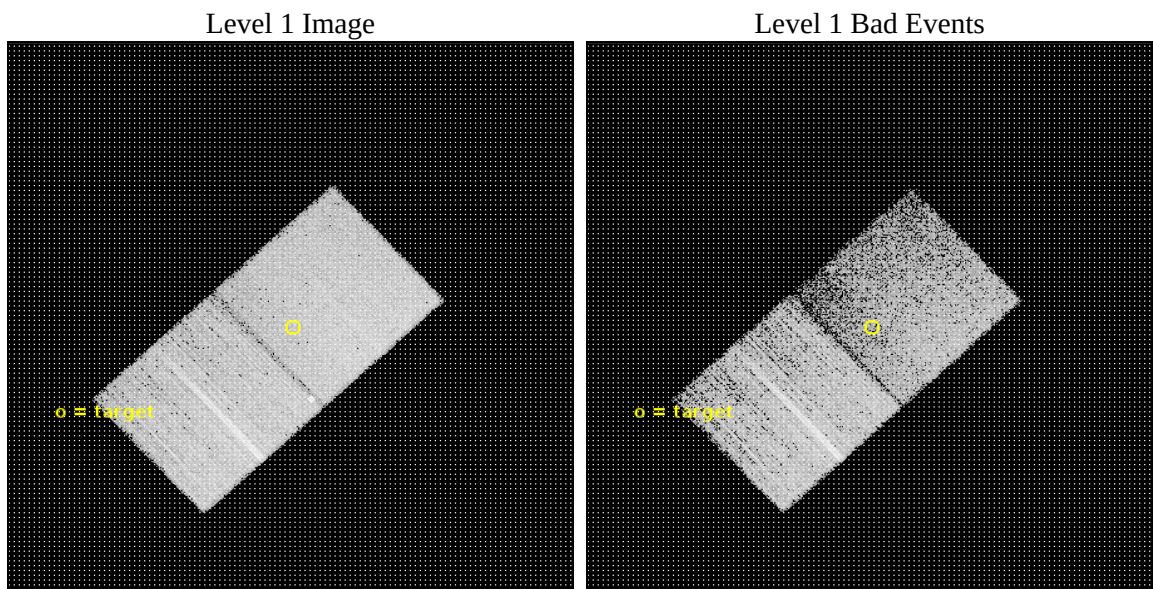
seq_num	703731	Sequence number
obs_id	21434	Observation id
title	A Possible Post-Merger Recoiling Supermassive Black Hole: Solving the Mystery of SDSS J113323+550415	Proposal title
observer	David Pooley	Principal investigator
object	SDSS J113323+550415	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	173.35	Observer's specified target RA [deg]
dec_targ	55.071056	Observer's specified target Dec [deg]
ra_nom	173.35562888934	Nominal RA [deg]
dec_nom	55.072577864397	Nominal Dec [deg]
roll_nom	317.15201931829	Nominal Roll [deg]
revision	1	Processing version of data
ontime	16104.0	Sum of GTIs [s]
livetime	15886.670349617	Livetime [s]
ontime6	16097.918079138	Sum of GTIs [s]
ontime7	16104.0	Sum of GTIs [s]
l2events	67088	Number of level 2 events



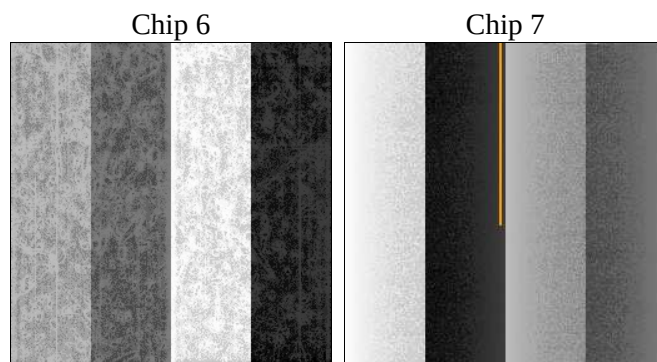
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	16000.000000	[s] Scheduled observation exposure time
ascdsver	10.8	Processing system revision	ontime	16104.0	Sum of GTIs [s]
caldsver	4.8.3.1	 	ontime6	16097.918079138	Sum of GTIs [s]
date	2019-08-13T21:16:20	Date and time of file creation	ontime7	16104.0	Sum of GTIs [s]
revision	1	Processing version of data	l1events	245771	Number of level 1 events

2.1.4 Events

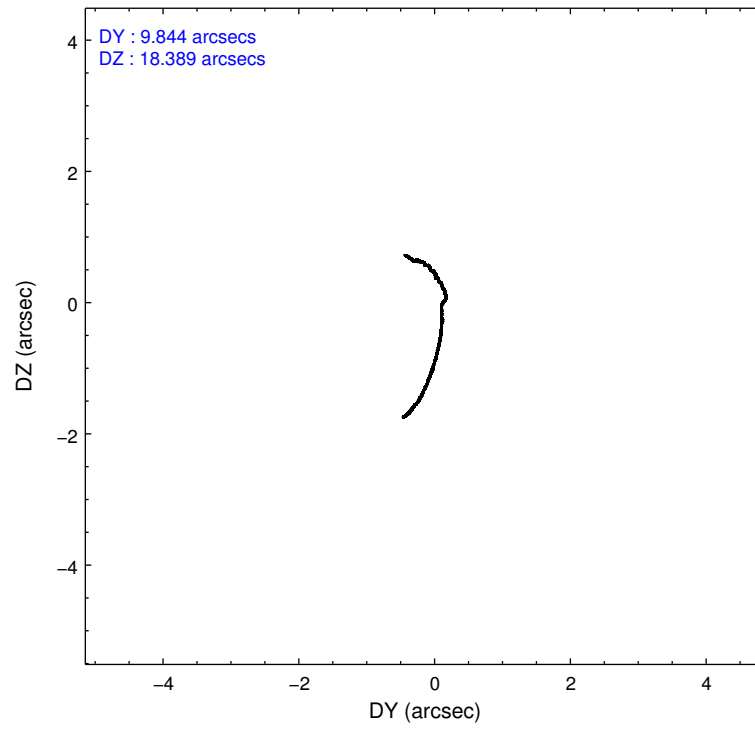
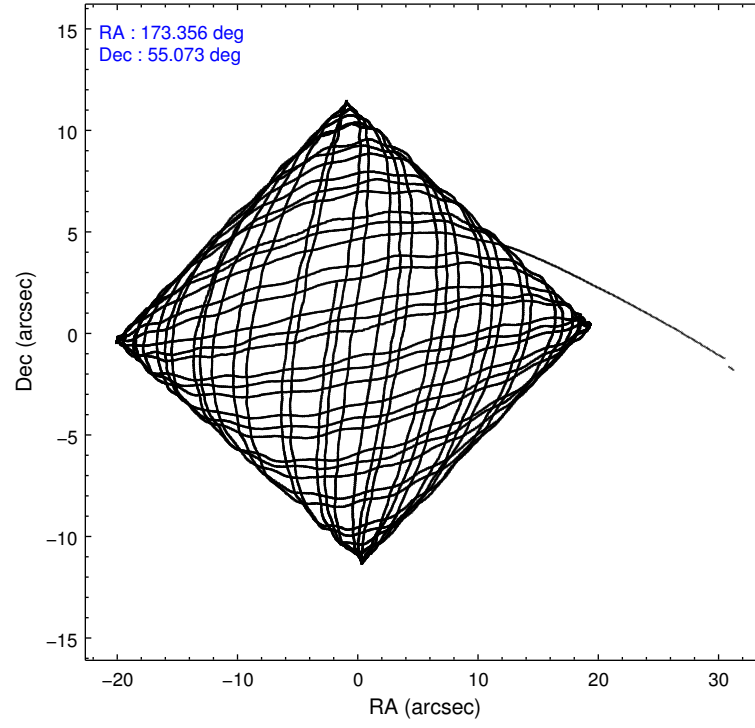
	ccd 6	ccd 7
level 1 events	122154	123617
rejected events	108939	65935
rejected %	89%	53%

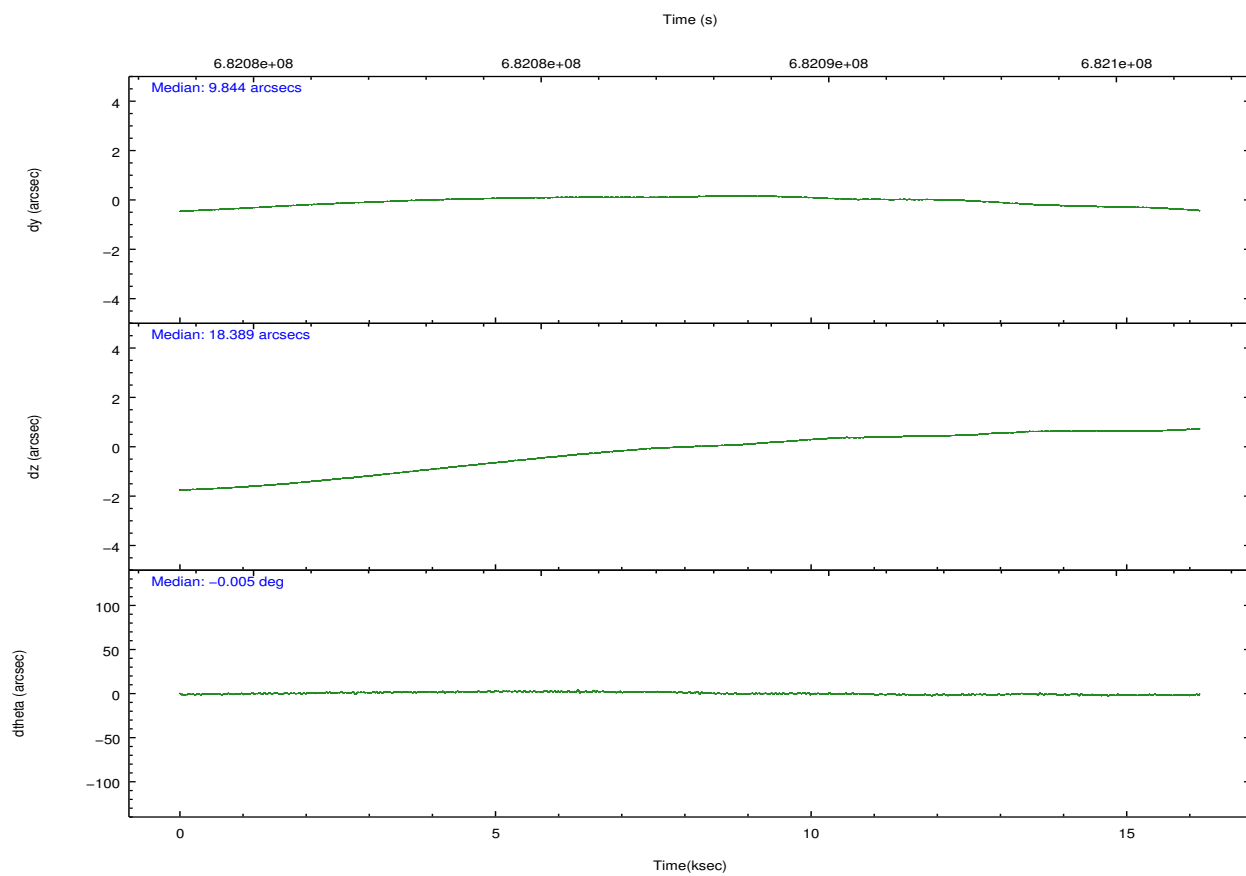
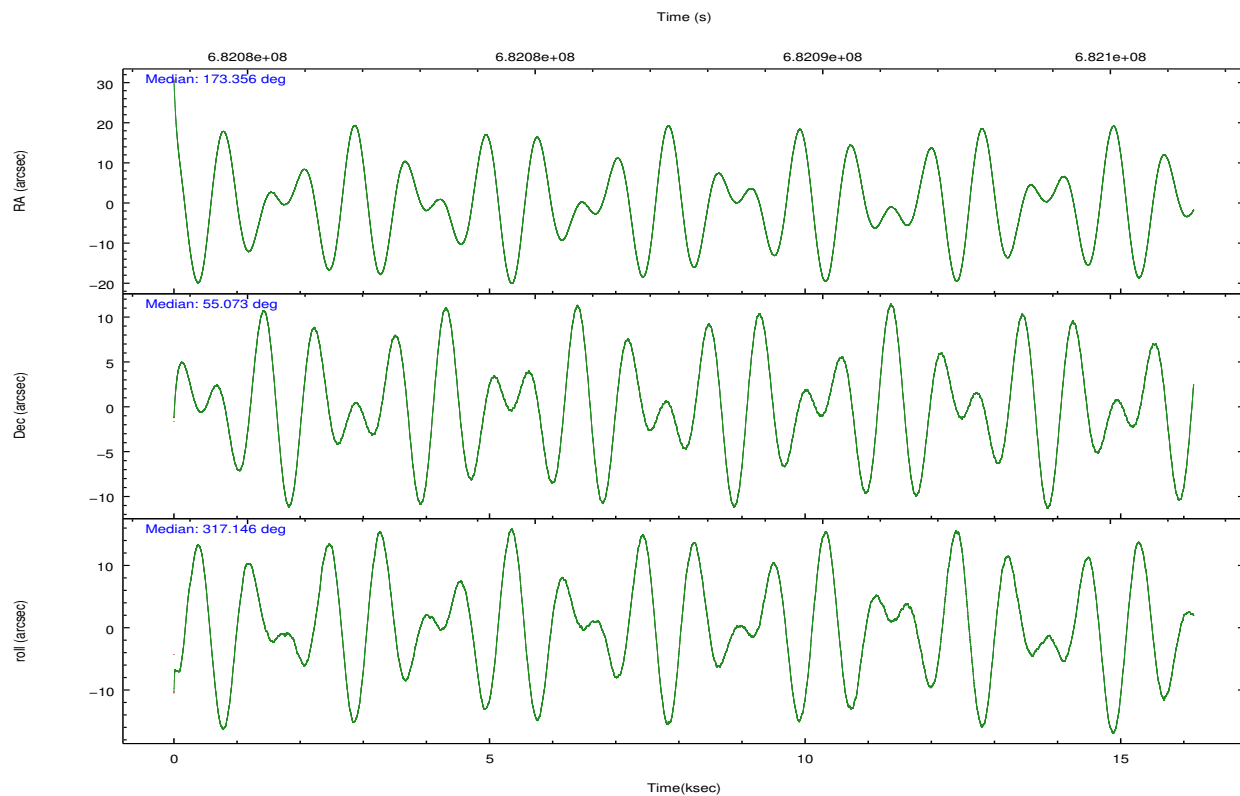
	ccd 6	ccd 7
grade 0 events	4349	5346
	3%	4%
grade 1 events	72	228
	0%	0%
grade 2 events	3428	12563
	2%	10%
grade 3 events	1107	4675
	0%	3%
grade 4 events	1123	4382
	0%	3%
grade 5 events	4131	12405
	3%	10%
grade 6 events	3209	30723
	2%	24%
grade 7 events	104735	53295
	85%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-67	ACIS-67	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	173.308752	173.3556288893404	Subarray requested	NONE	NONE
[deg] Pointing Dec	55.078328	55.0725778643973	Alternating exposures requested	N	N
[deg] Pointing Roll	317.033821	317.1520193182928	[s] Primary exposure time	0.000000	3
[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)	682079658.184000	682078383.27346			
Observation start date	2019-08-13T10:33:09	2019-08-13T10:13:03			
[s] Observation end time (MET)	682095658.184000	682096642.62456			
Observation end date	2019-08-13T14:59:49	2019-08-13T15:17:22			
Read mode	TIMED	TIMED			

2.3 Aspect



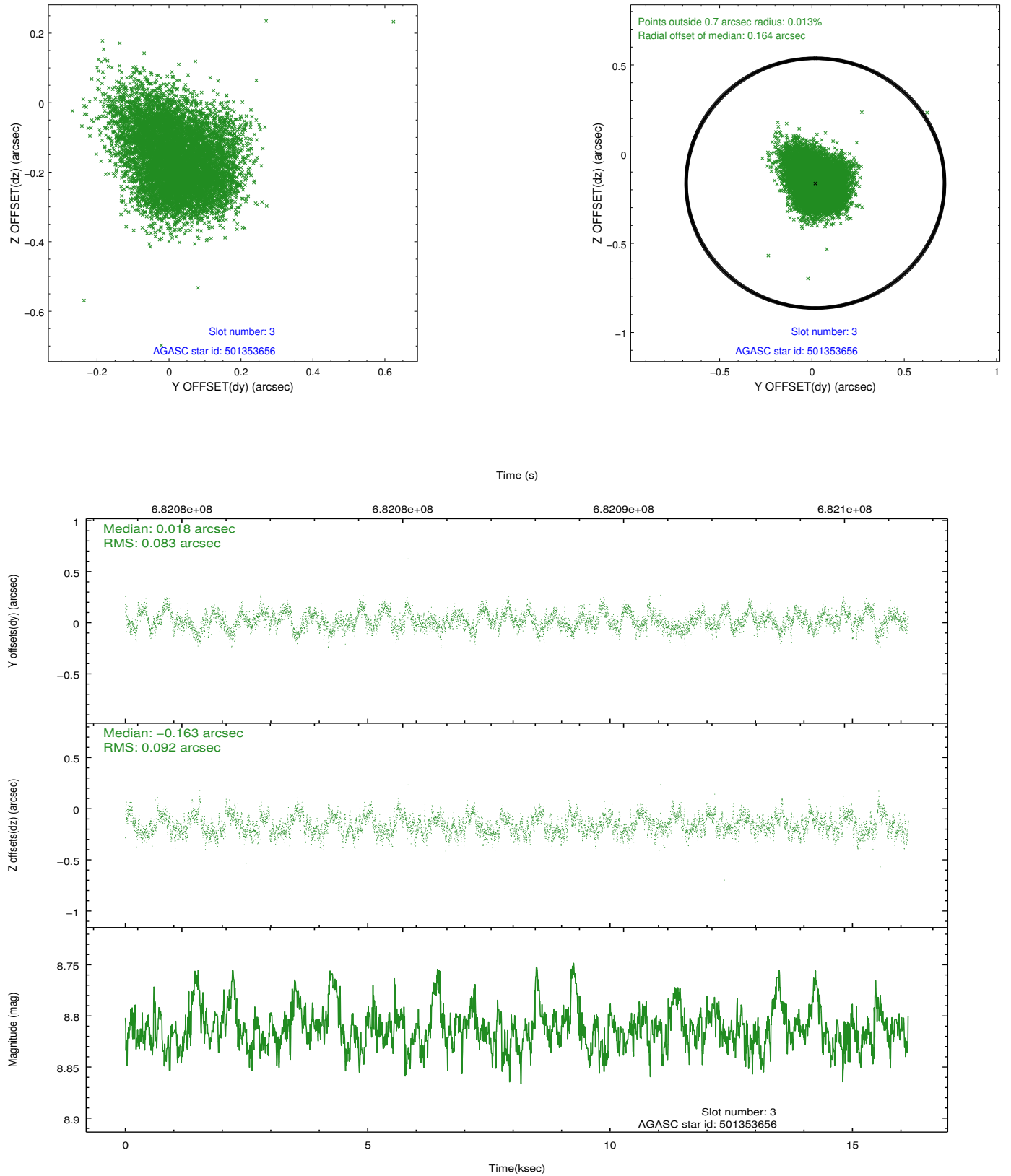


Slot Statistics

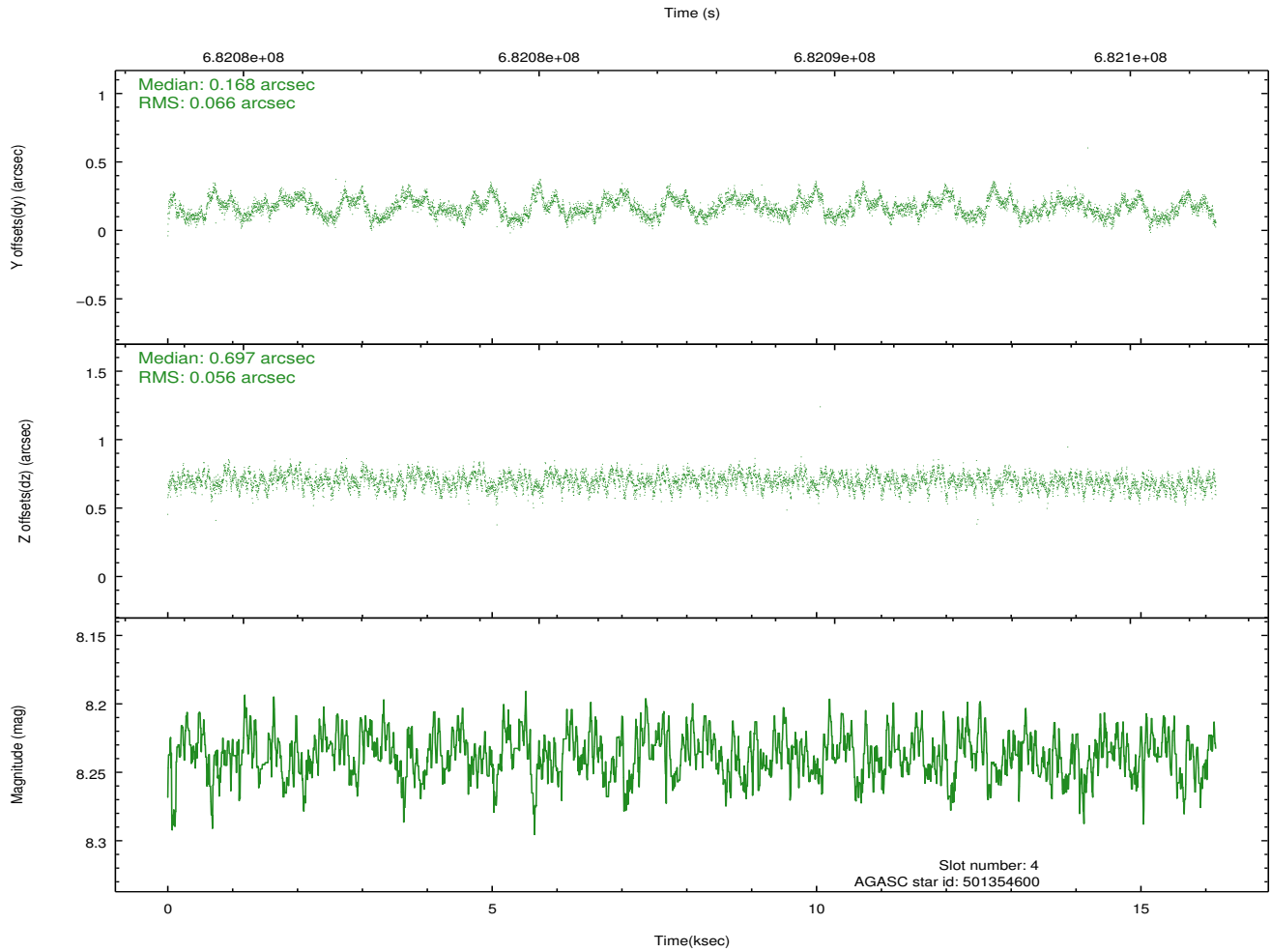
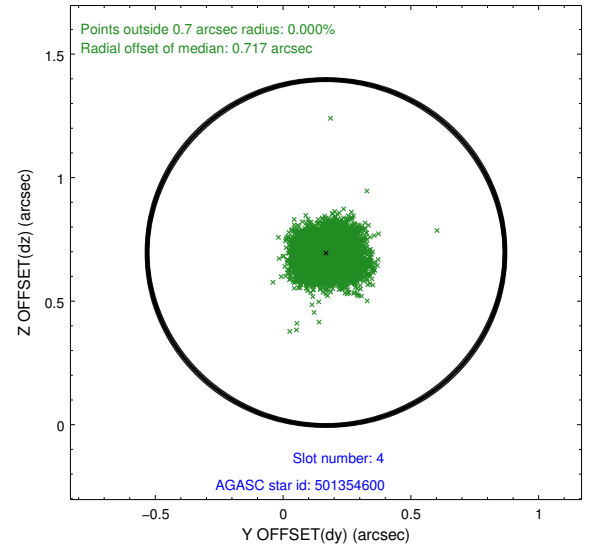
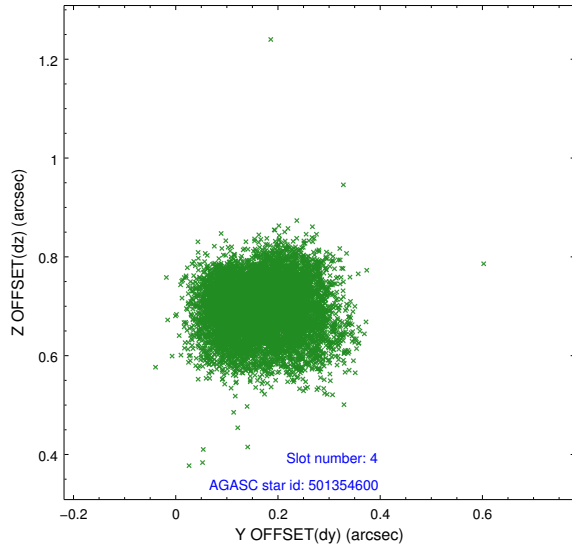
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-2	7.12	3941	1.000	-0.253	-0.176	0.023	0.030	0.000000	0.000000	-762.84	-1739
1	FID		ACIS-S-4	7.25	3941	1.000	0.651	0.170	0.010	0.016	0.000000	0.000000	2151.20	168
2	FID		ACIS-S-5	7.24	3941	1.000	-0.431	0.015	0.023	0.031	0.000000	0.000000	-1815.53	162
3	GUIDE	used	501353656	8.81	7865	1.000	0.018	-0.163	0.133	0.206	172.895428	54.737519	206.30	-1481
4	GUIDE	used	501354600	8.24	7878	1.000	0.168	0.697	0.093	0.145	171.807207	54.963028	-2009.83	-2394
5	GUIDE	used	501357112	8.09	7882	1.000	0.250	0.310	0.088	0.140	172.382230	54.802033	-736.76	-2029
6	GUIDE	used	502662128	7.67	7882	1.000	-0.075	-0.132	0.091	0.152	173.398014	55.582136	-1103.52	1450
7	GUIDE	used	502669512	8.40	7876	1.000	-0.363	-0.713	0.097	0.156	174.289325	55.439640	568.53	2326

2.4 Star Slots

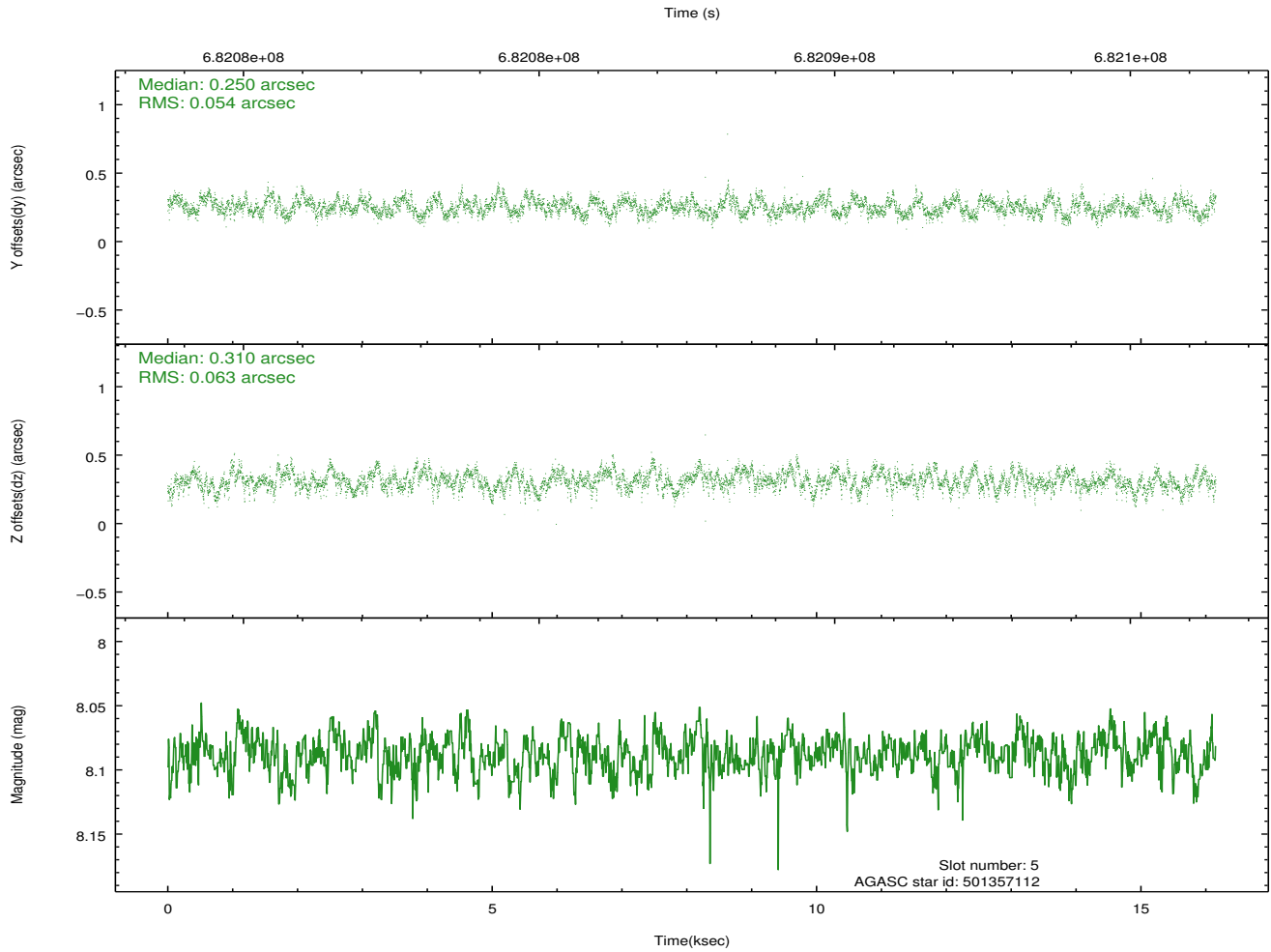
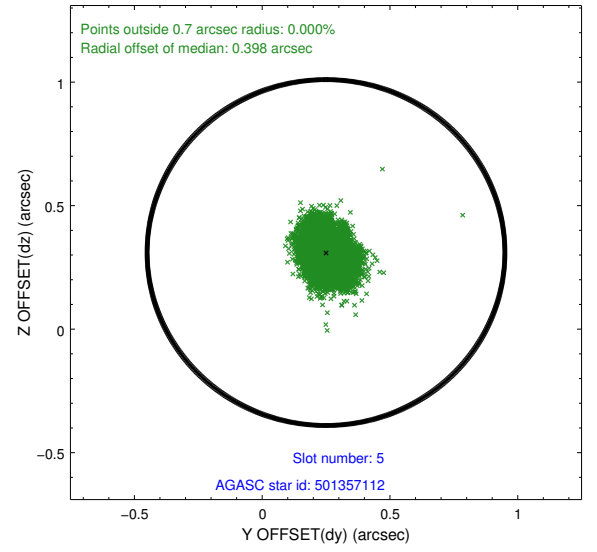
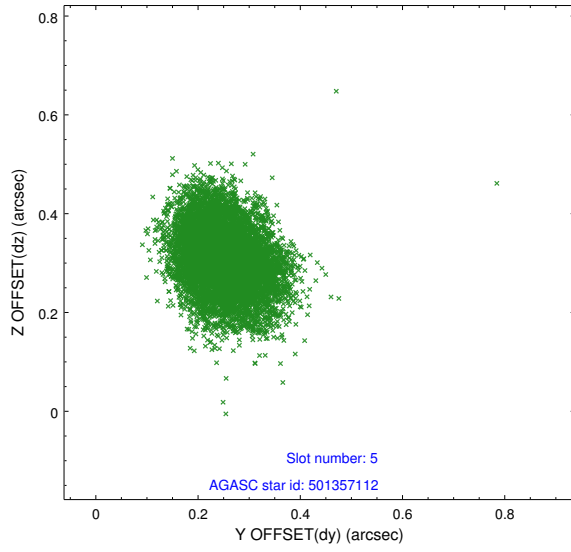
2.4.1 Slot 3



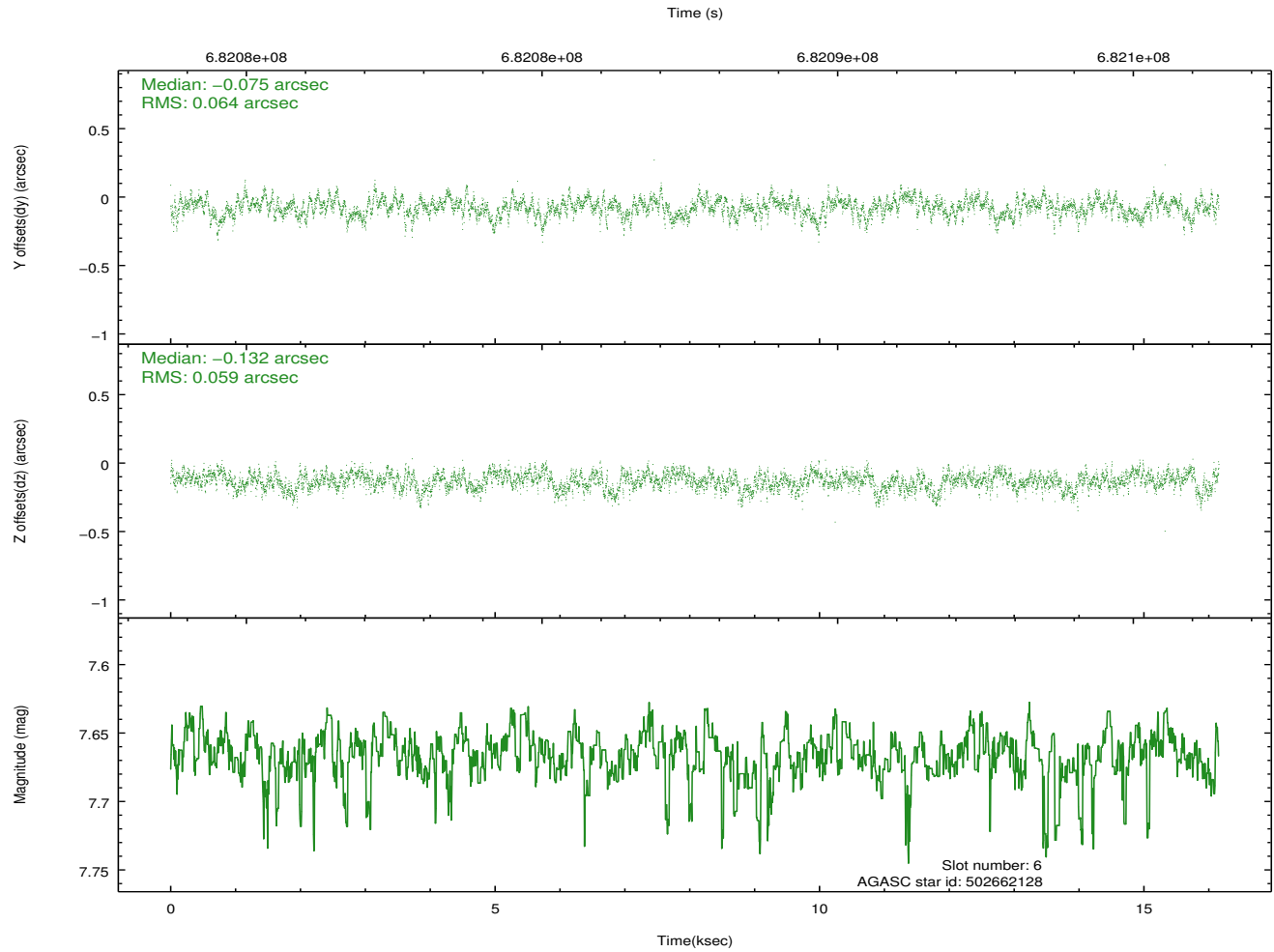
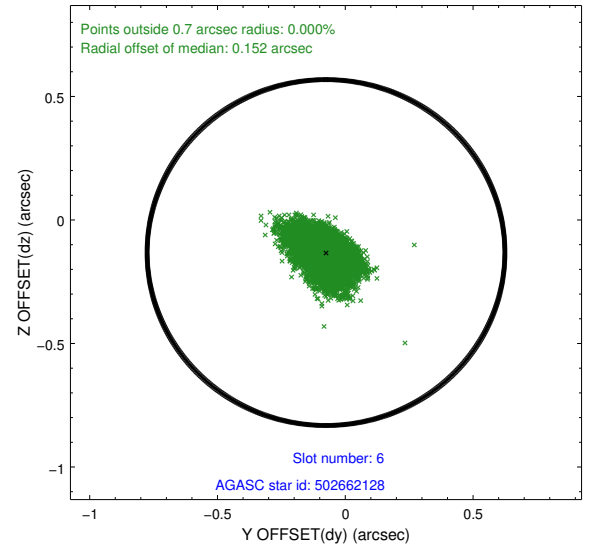
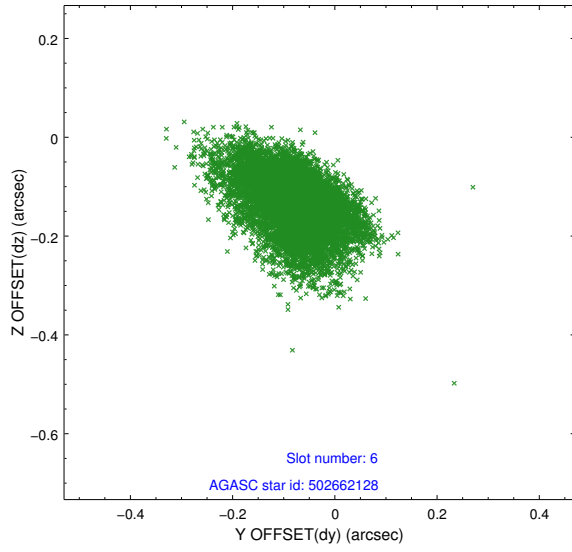
2.4.2 Slot 4



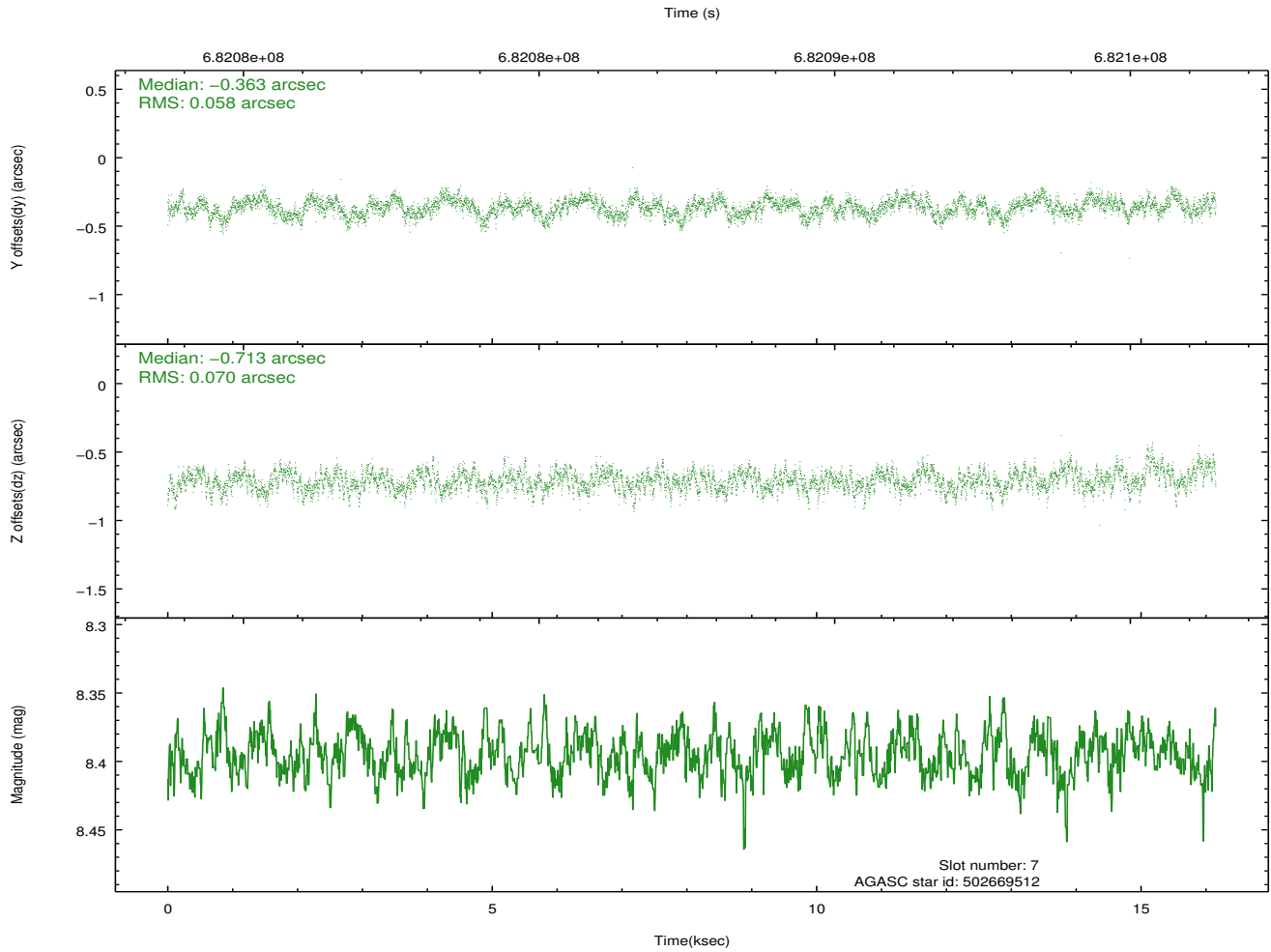
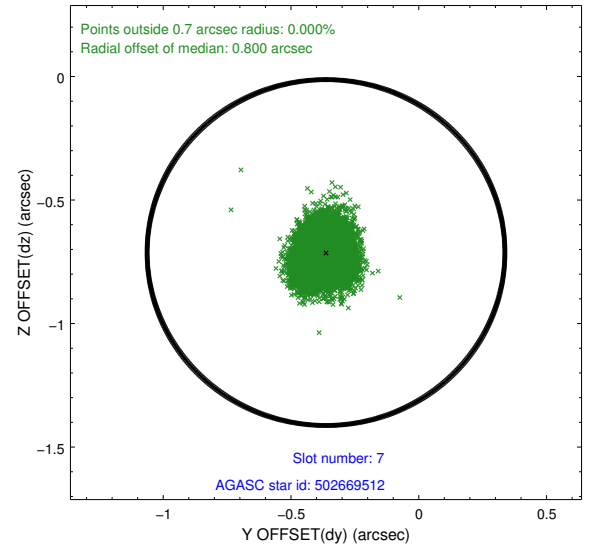
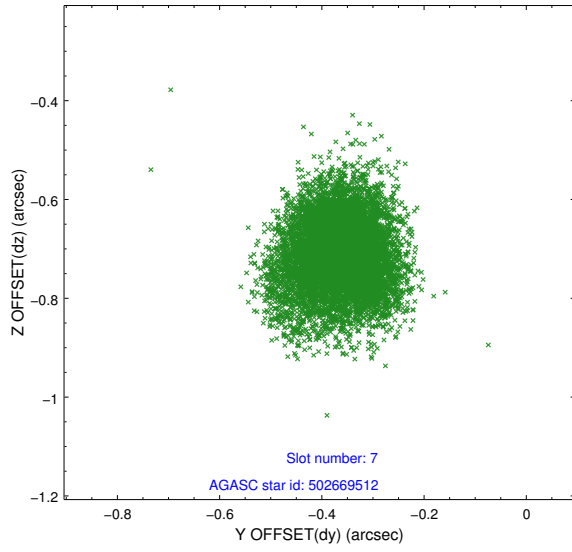
2.4.3 Slot 5



2.4.4 Slot 6

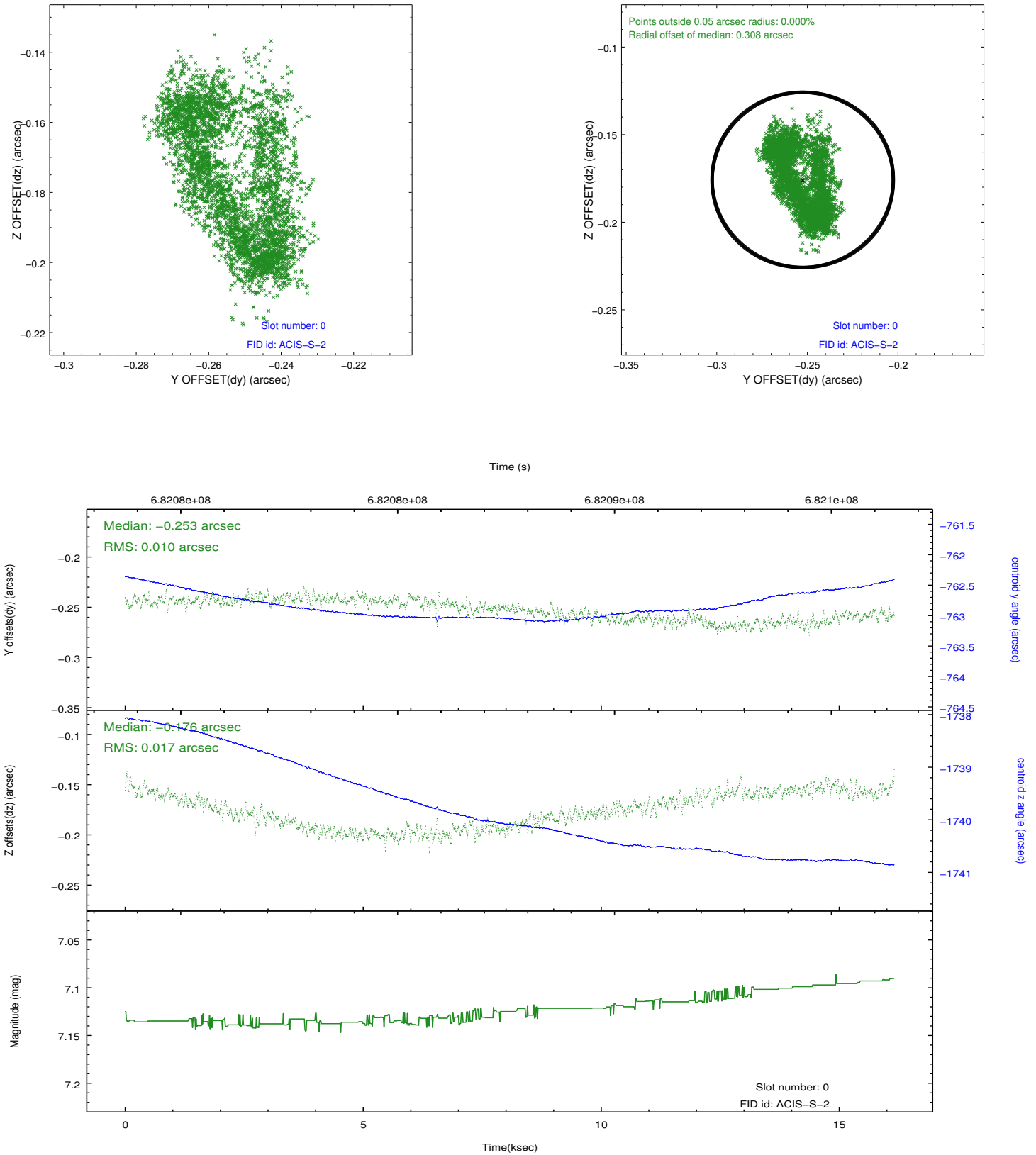


2.4.5 Slot 7

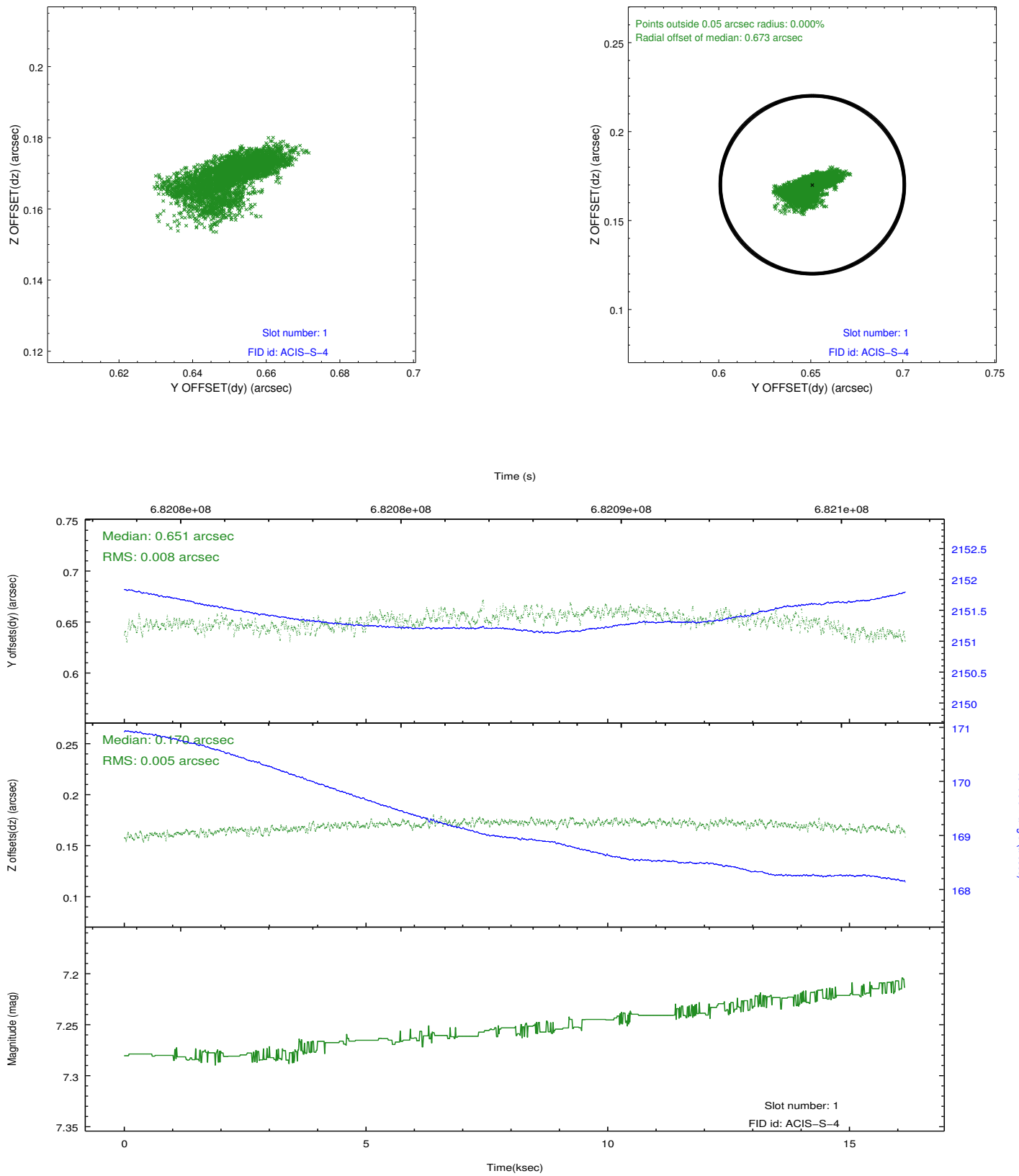


2.5 FID Slots

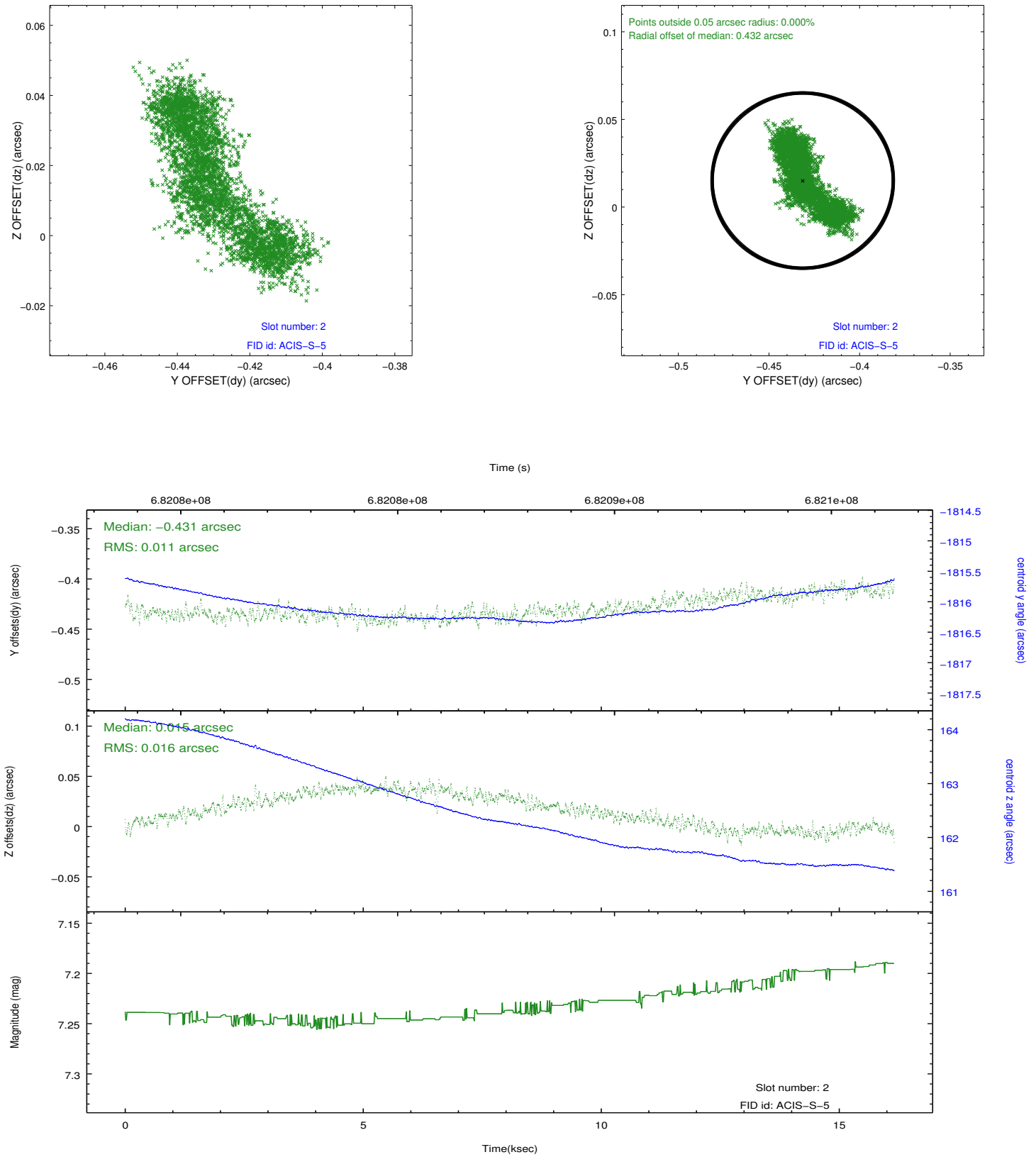
2.5.1 Slot 0



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)	2019.08.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	16.104

A.2 Comments

Joint proposal with NRAO.

Observation coordinated with VLA.