

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 16706 - L2 Version 1
Chandra X-Ray Center

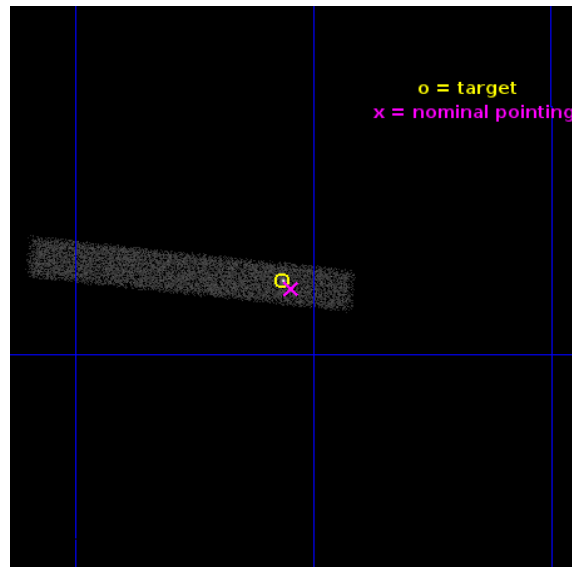
L2 Processing Date : Aug 4 2015

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1 Front

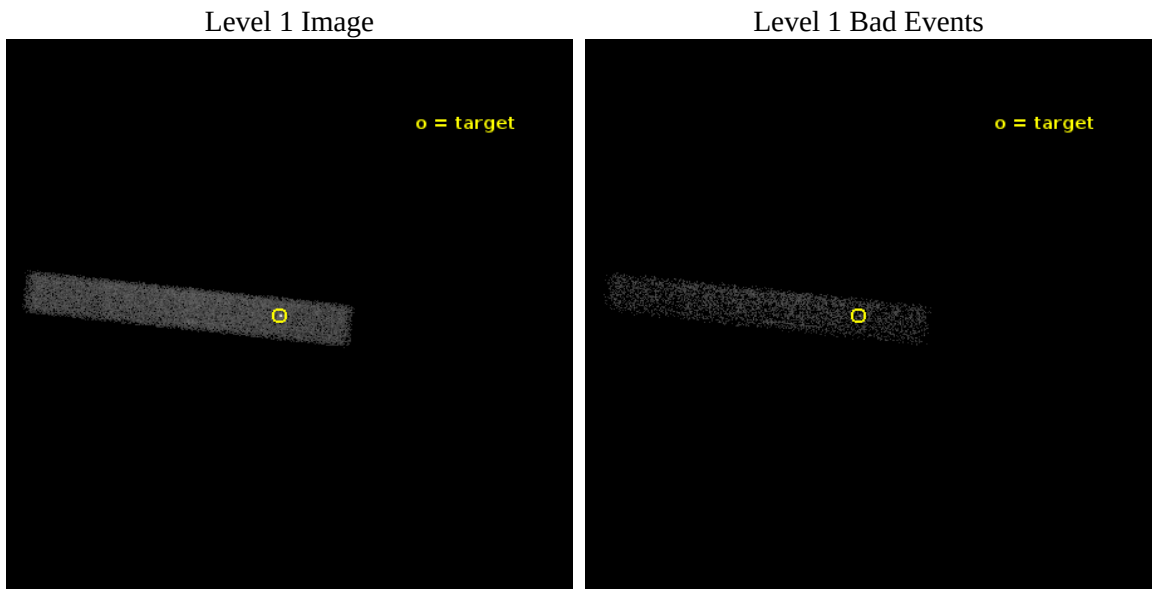
seq_num	401628	Sequence number
obs_id	16706	Observation id
title	Following a black hole X-ray transient through the transition into quiescence	Proposal title
observer	Dr. RICHARD PLOTKIN	Principal investigator
object	V404Cyg	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	306.015958	Observer's specified target RA [deg]
dec_targ	33.867281	Observer's specified target Dec [deg]
ra_nom	306.01135092309	Nominal RA [deg]
dec_nom	33.86341058517	Nominal Dec [deg]
roll_nom	186.35752726131	Nominal Roll [deg]
revision	1	Processing version of data
ontime	28853.144156337	Sum of GTIs [s]
livetime	26168.278755974	Livetime [s]
ontime7	28853.144156337	Sum of GTIs [s]
l2events	17117	Number of level 2 events



2 OBI

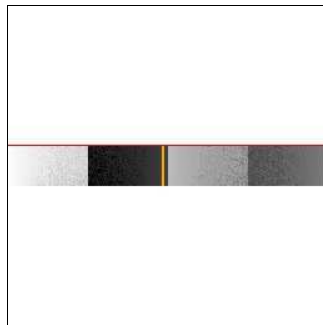
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	29000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.1	Processing system revision	ontime	28853.144156337	Sum of GTIs [s]
caldbver	4.6.8	 	ontime7	28853.144156337	Sum of GTIs [s]
date	2015-08-04T12:02:01	Date and time of file creation	l1events	32191	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

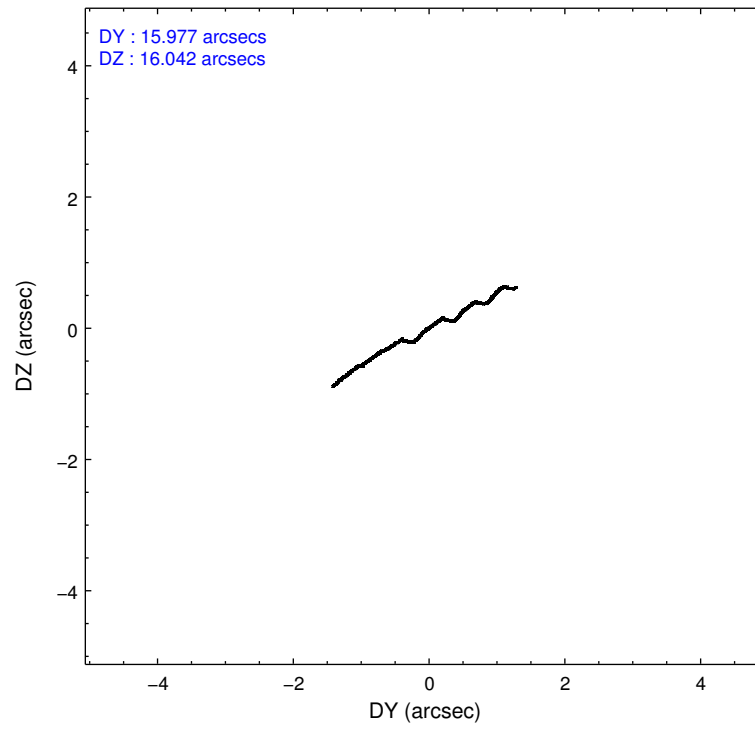
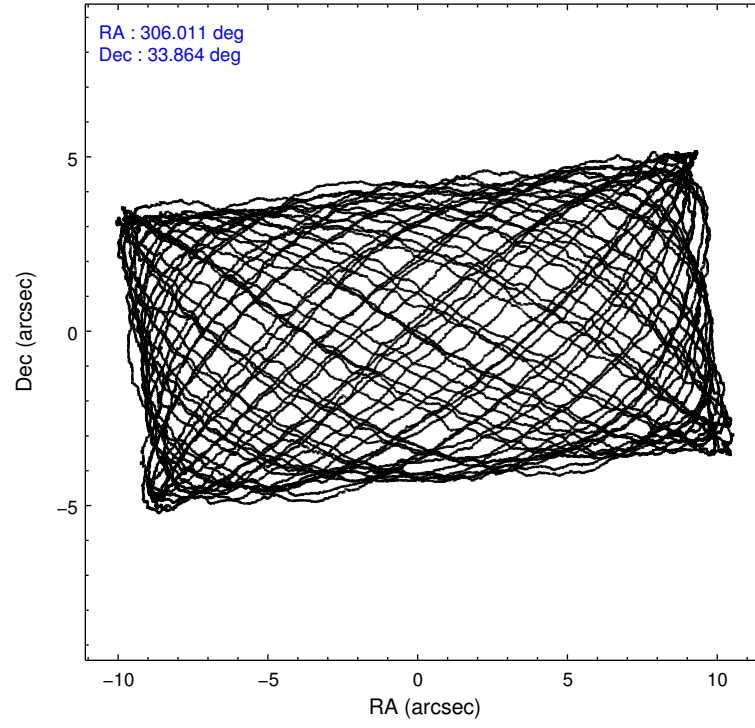
	ccd 7
level 1 events	32191
rejected events	14478
rejected %	44%

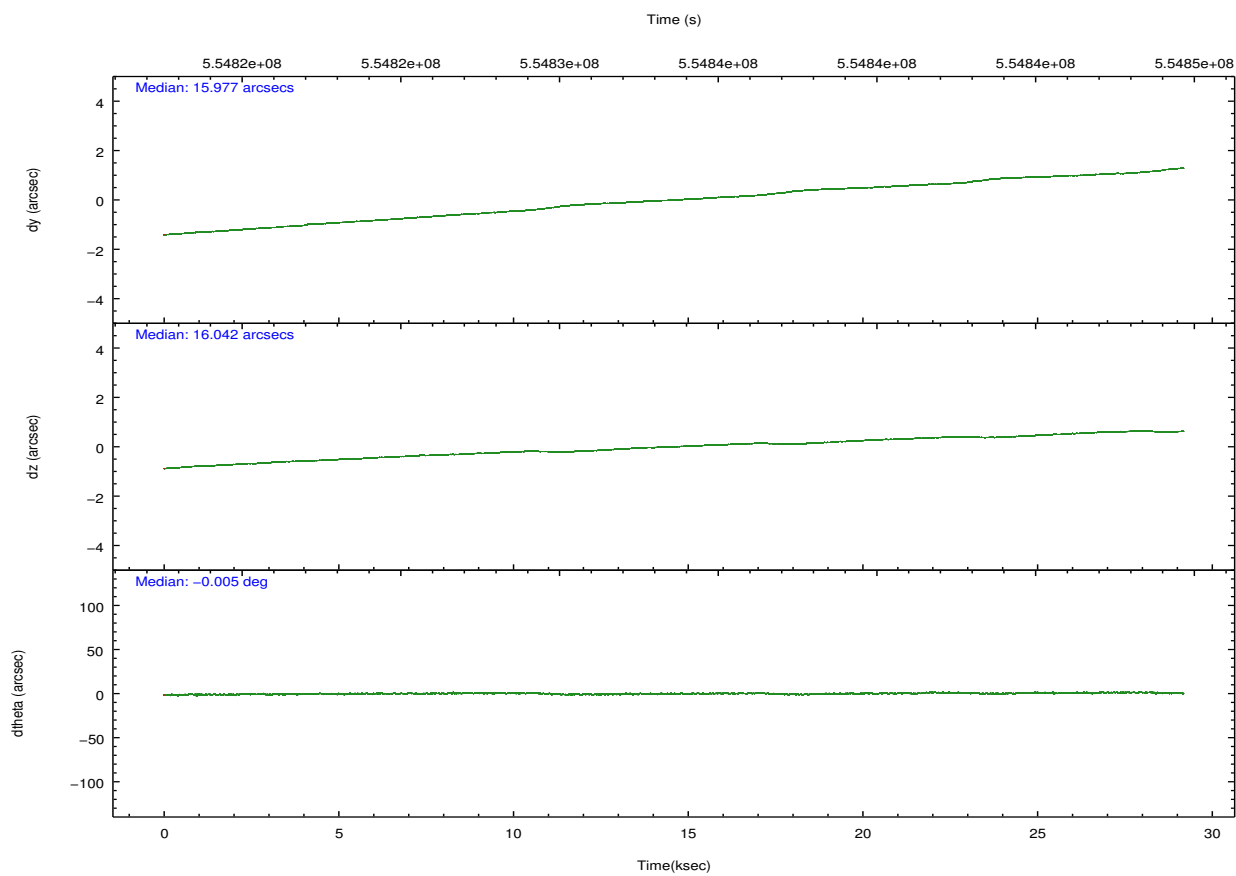
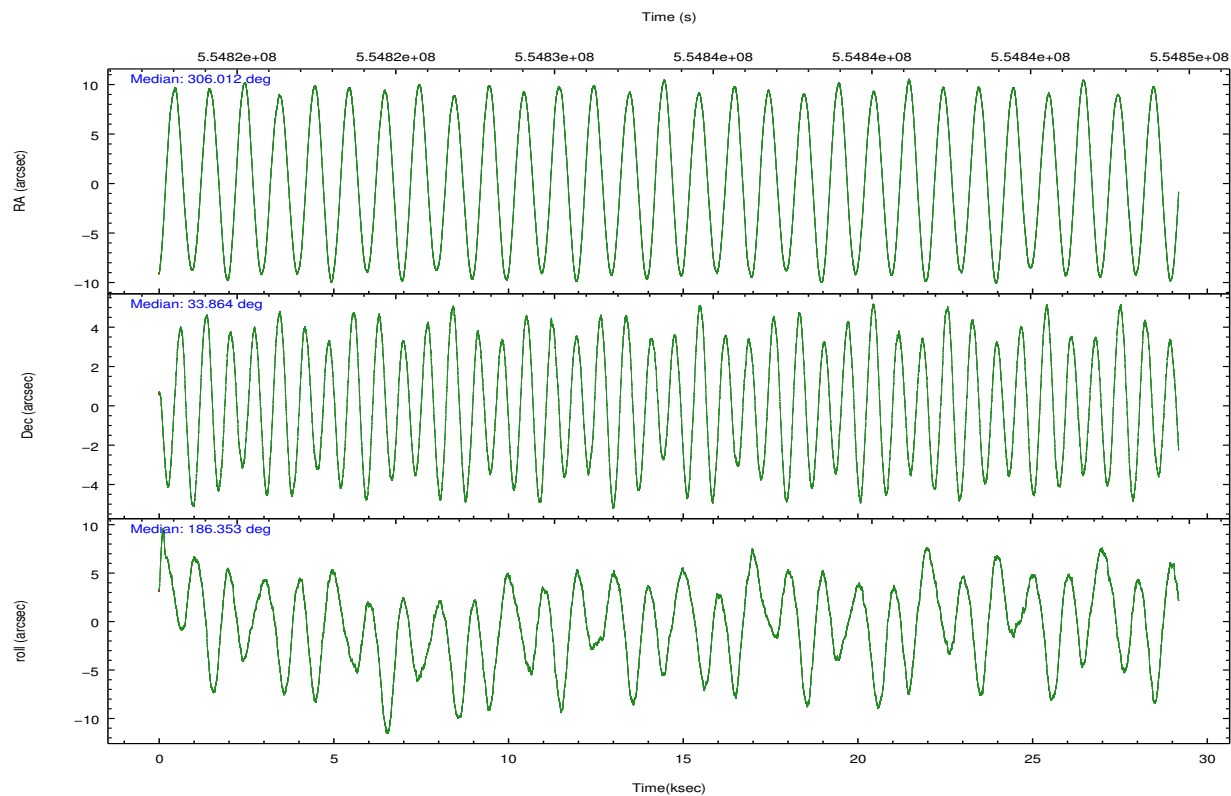
	ccd 7
grade 0 events	2394
	7%
grade 1 events	44
	0%
grade 2 events	3857
	11%
grade 3 events	2176
	6%
grade 4 events	2152
	6%
grade 5 events	2917
	9%
grade 6 events	7136
	22%
grade 7 events	11515
	35%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	306.037720	306.0113509230943	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	33.879975	33.86341058516962	Subarray start row	449	449
[deg] Pointing Roll	186.186206	186.3575272613117	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	554819190.184000	554818813.80585			
Observation start date	2015-08-01T12:25:22	2015-08-01T12:20:13			
[s] Observation end time (MET)	554848190.184000	554848323.55751			
Observation end date	2015-08-01T20:28:42	2015-08-01T20:32:03			
Read mode	TIMED	TIMED			

2.3 Aspect



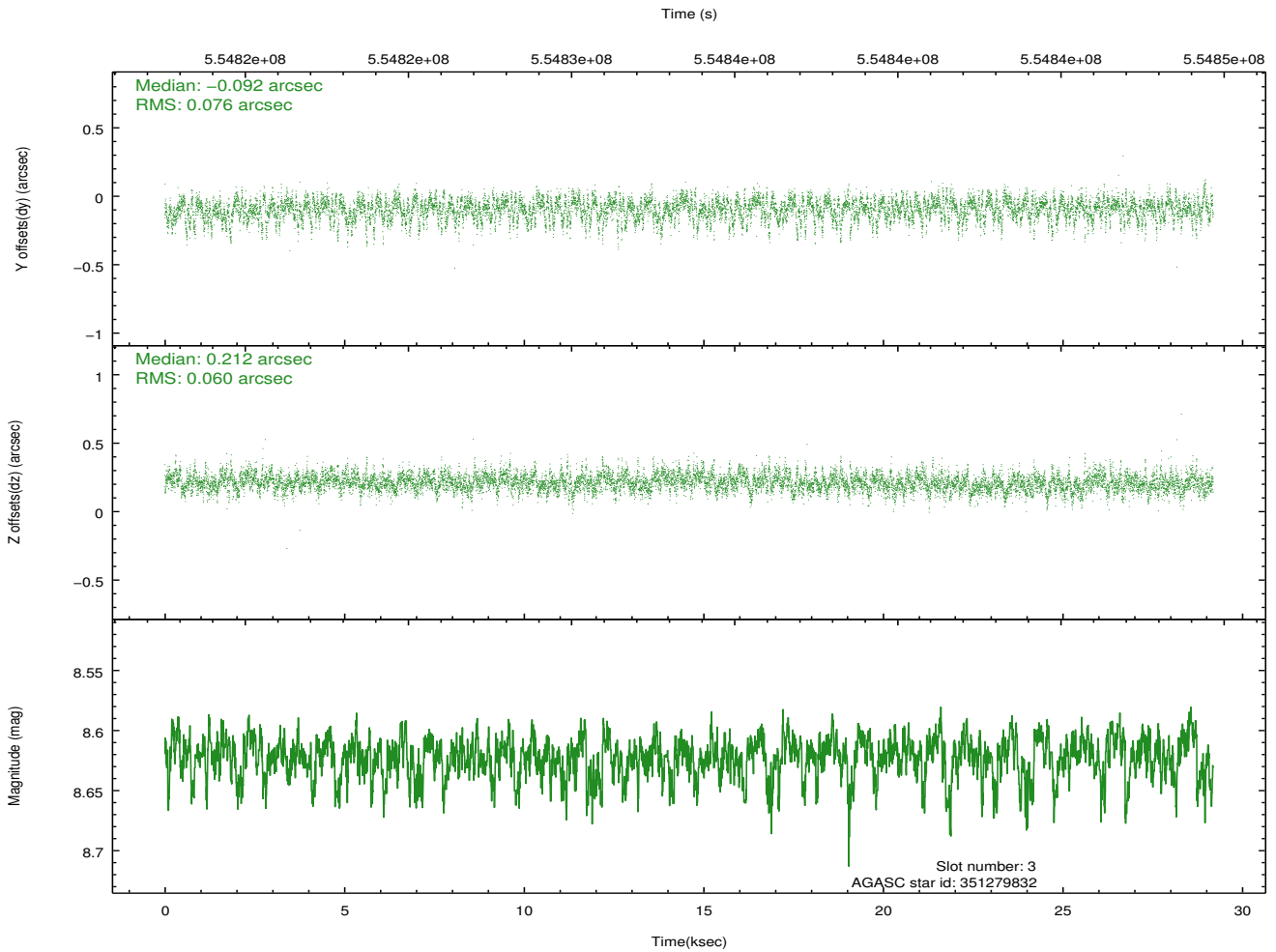
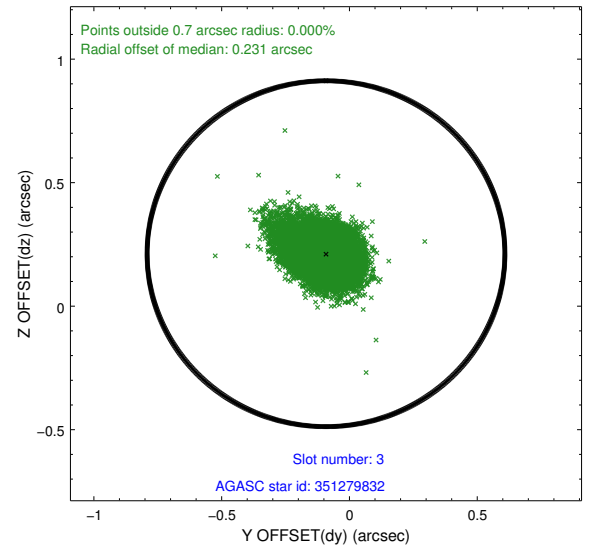
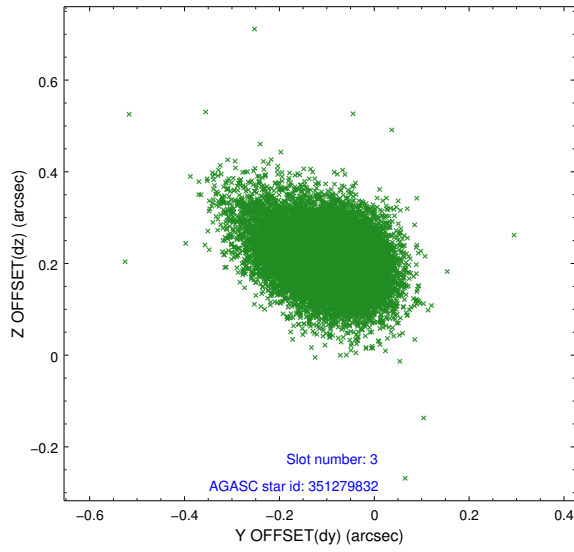


Slot Statistics

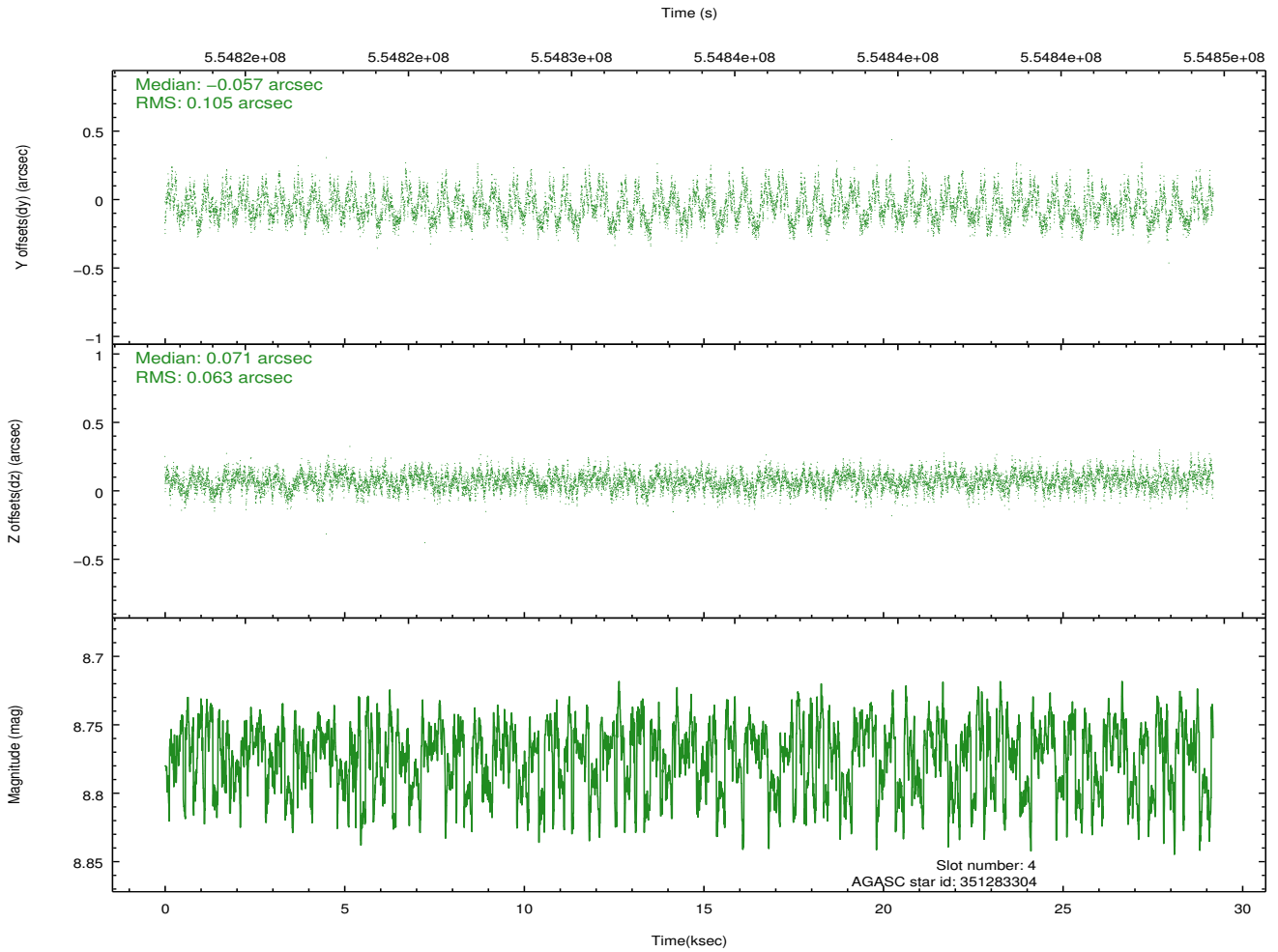
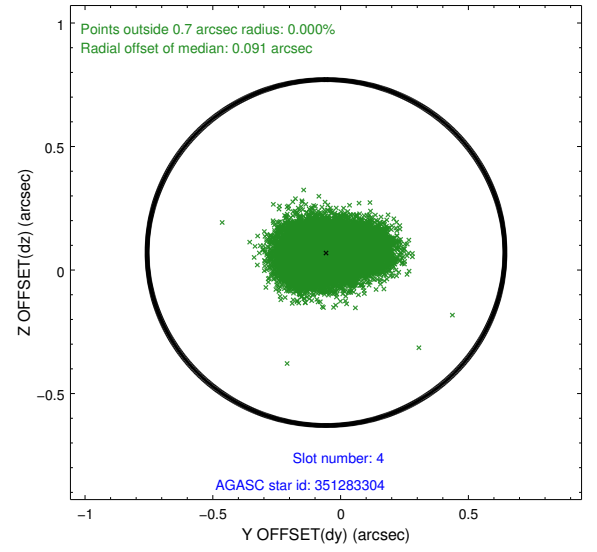
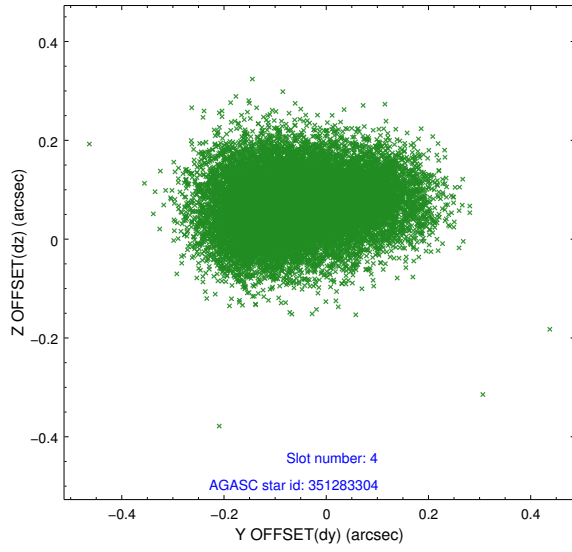
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.01	7120	-0.123	-0.034	0.013	0.019	0.000000	0.000000	-769.05	-1737.46
1	FID		ACIS-S-4	7.10	7120	0.302	0.068	0.012	0.019	0.000000	0.000000	2144.60	171.07
2	FID		ACIS-S-5	7.13	7119	-0.212	-0.027	0.014	0.024	0.000000	0.000000	-1821.89	164.70
3	GUIDE	used	351279832	8.62	14231	-0.092	0.212	0.100	0.172	305.274374	34.407915	2049.02	-2141.57
4	GUIDE	used	351283304	8.77	14227	-0.057	0.071	0.132	0.210	305.363456	34.187296	1877.06	-1322.45
5	GUIDE	used	352981624	8.60	14232	0.271	0.019	0.095	0.155	306.081516	34.222239	-261.34	-1210.70
6	GUIDE	used	352985512	8.88	14232	0.073	0.002	0.097	0.157	306.411799	34.272698	-1258.26	-1287.53
7	GUIDE	used	351282120	9.26	14222	-0.198	-0.309	0.136	0.208	305.232648	33.763598	2440.22	149.73

2.4 Star Slots

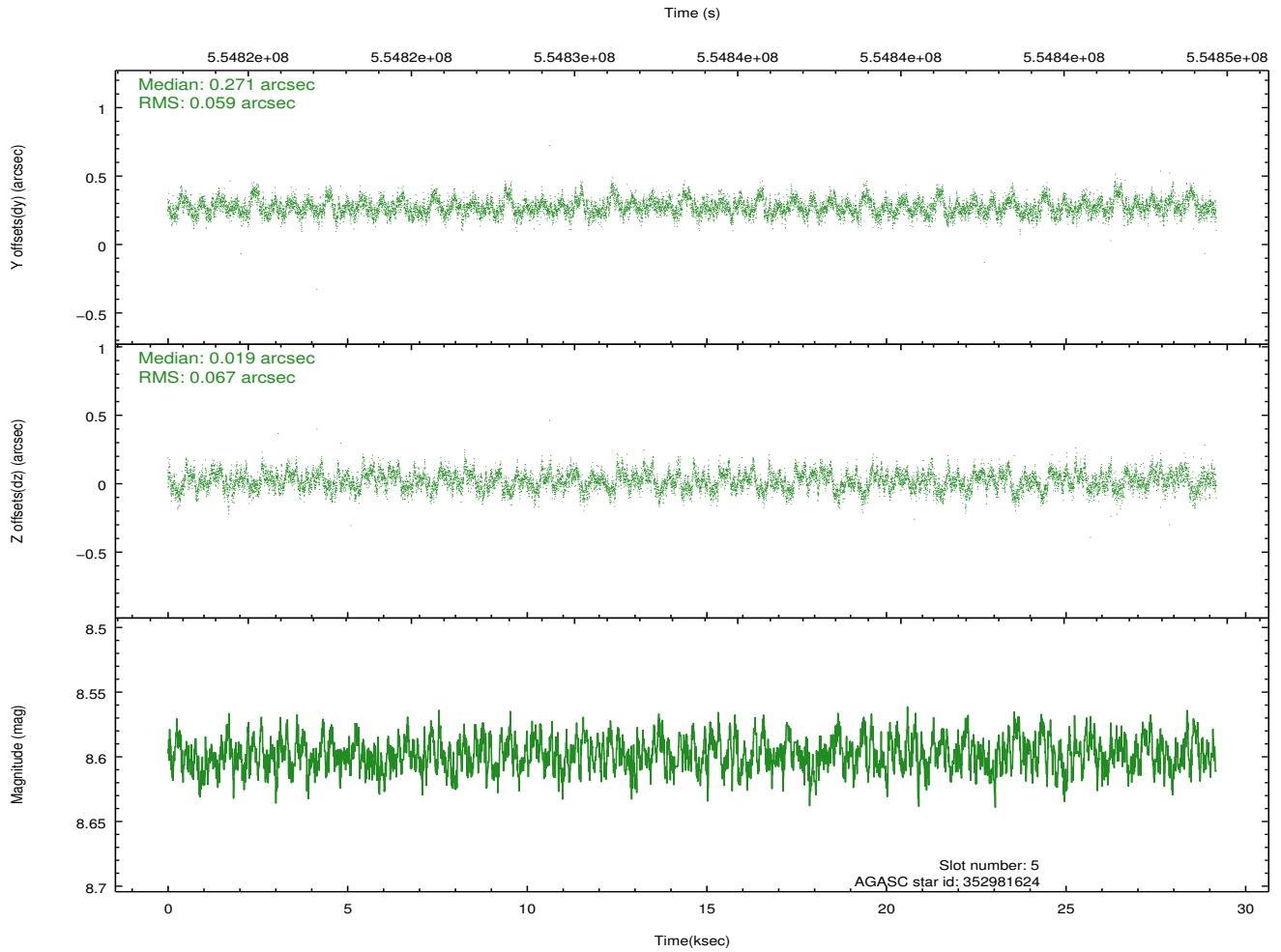
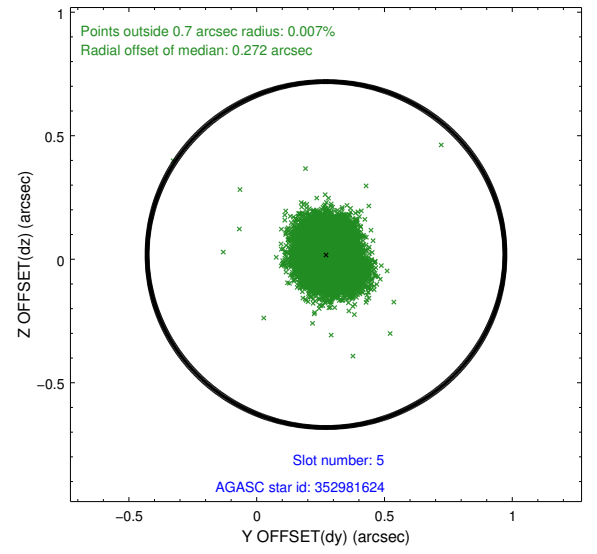
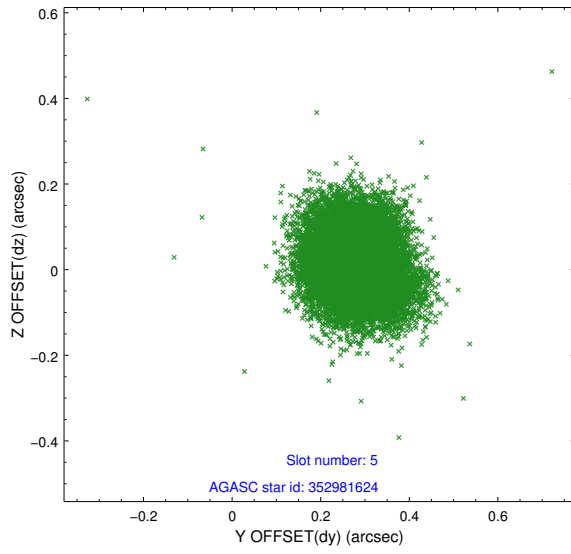
2.4.1 Slot 3



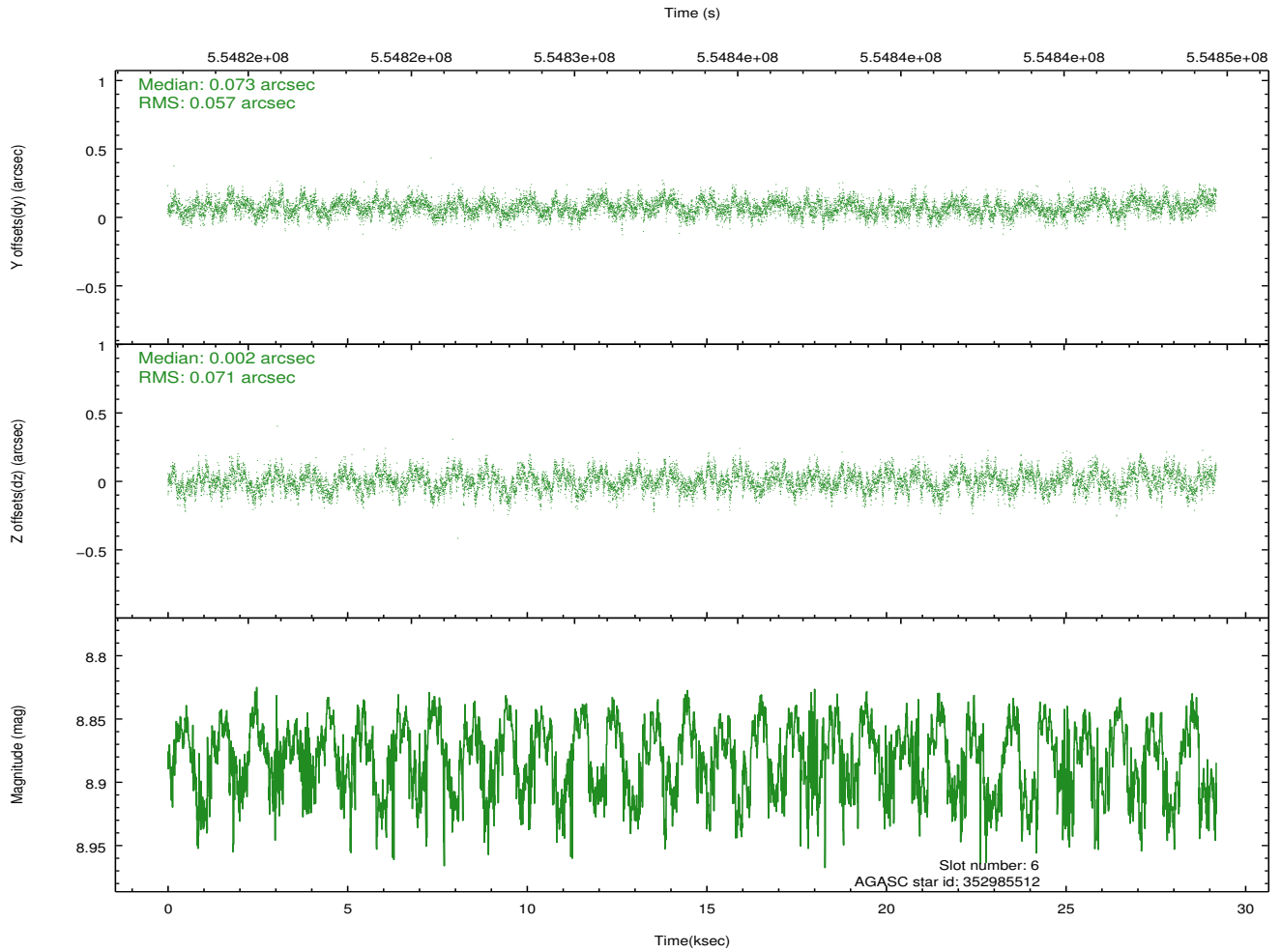
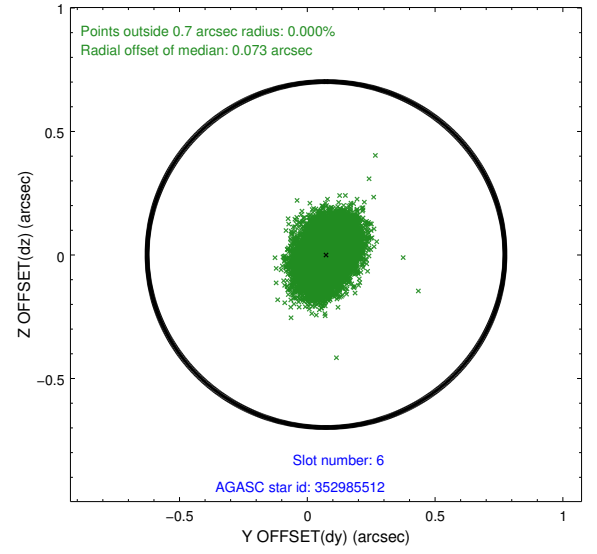
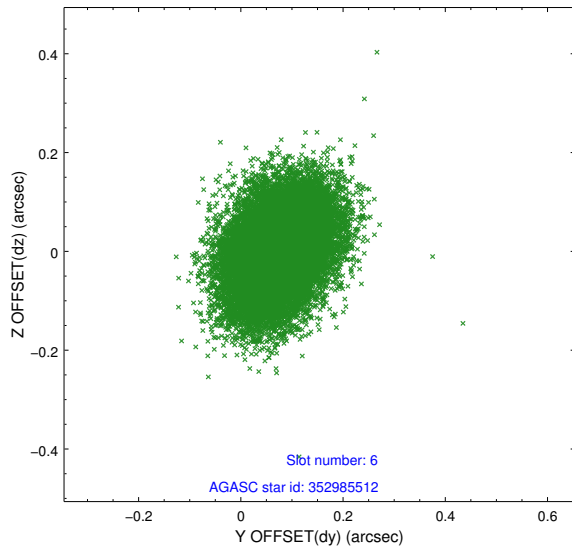
2.4.2 Slot 4



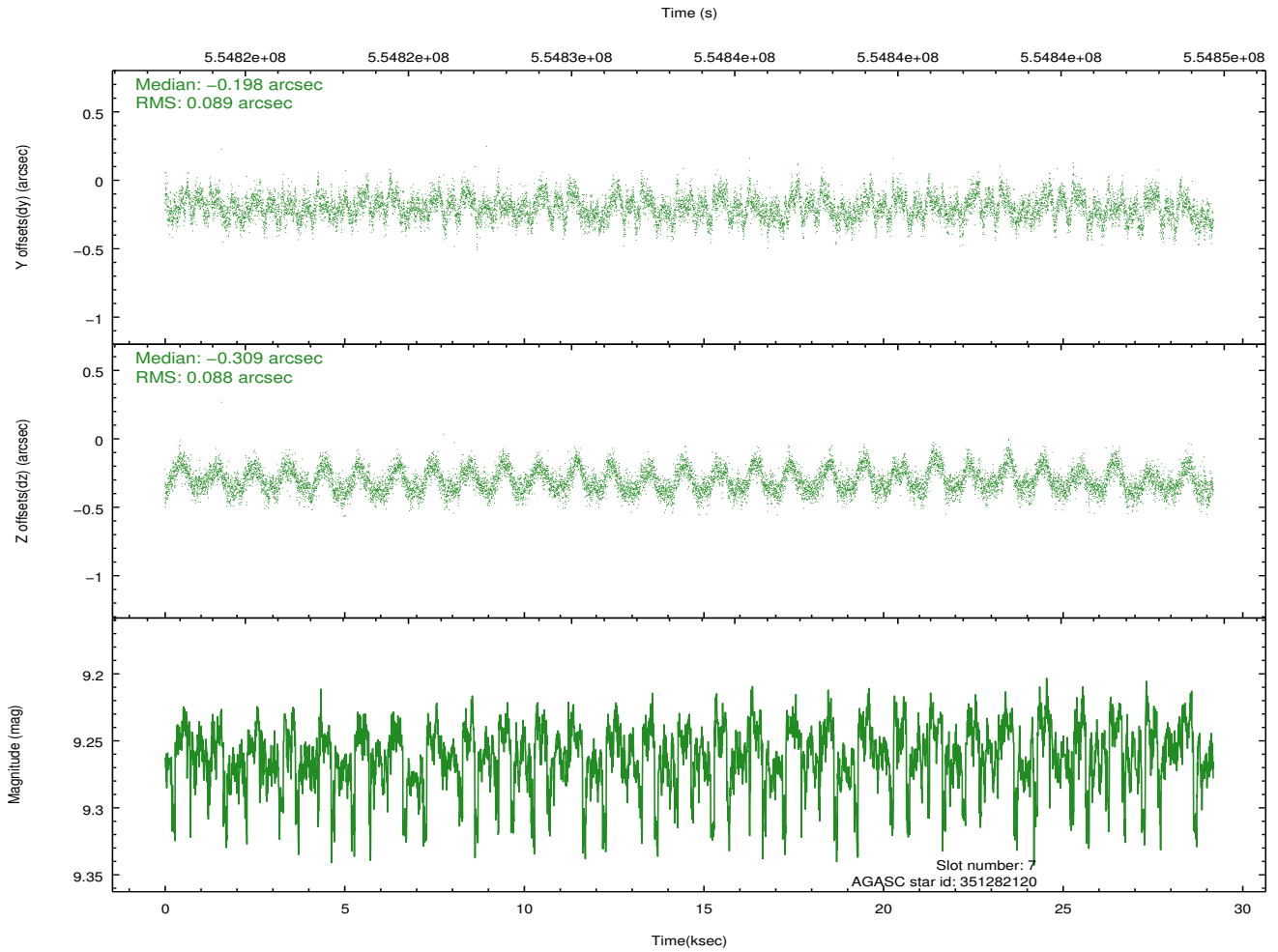
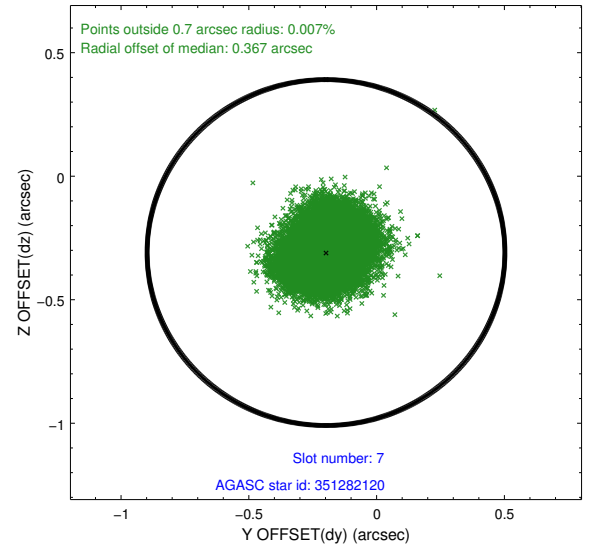
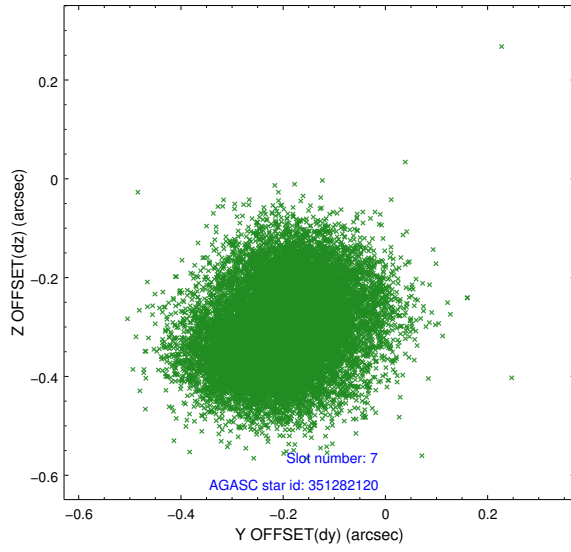
2.4.3 Slot 5



2.4.4 Slot 6

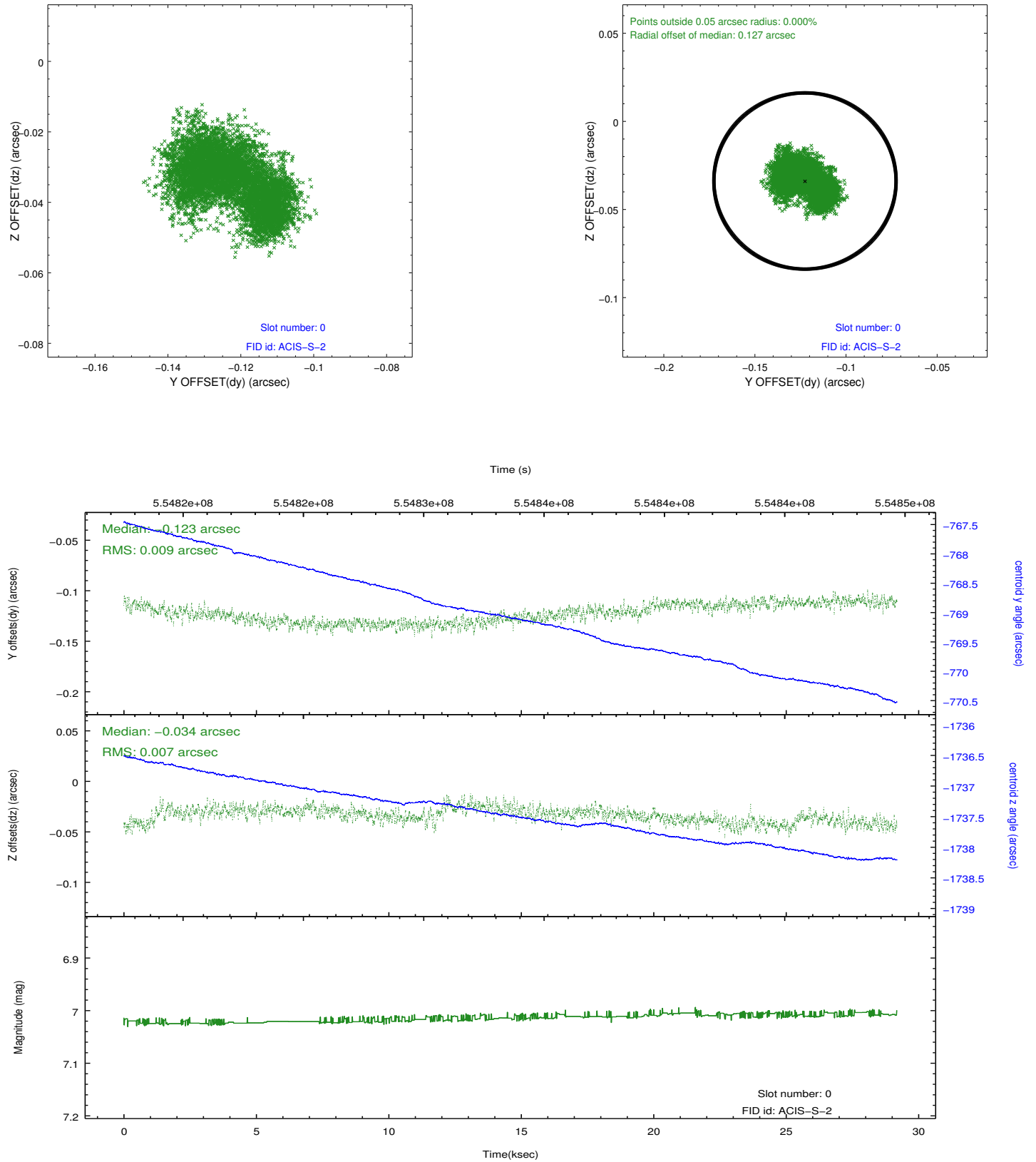


2.4.5 Slot 7

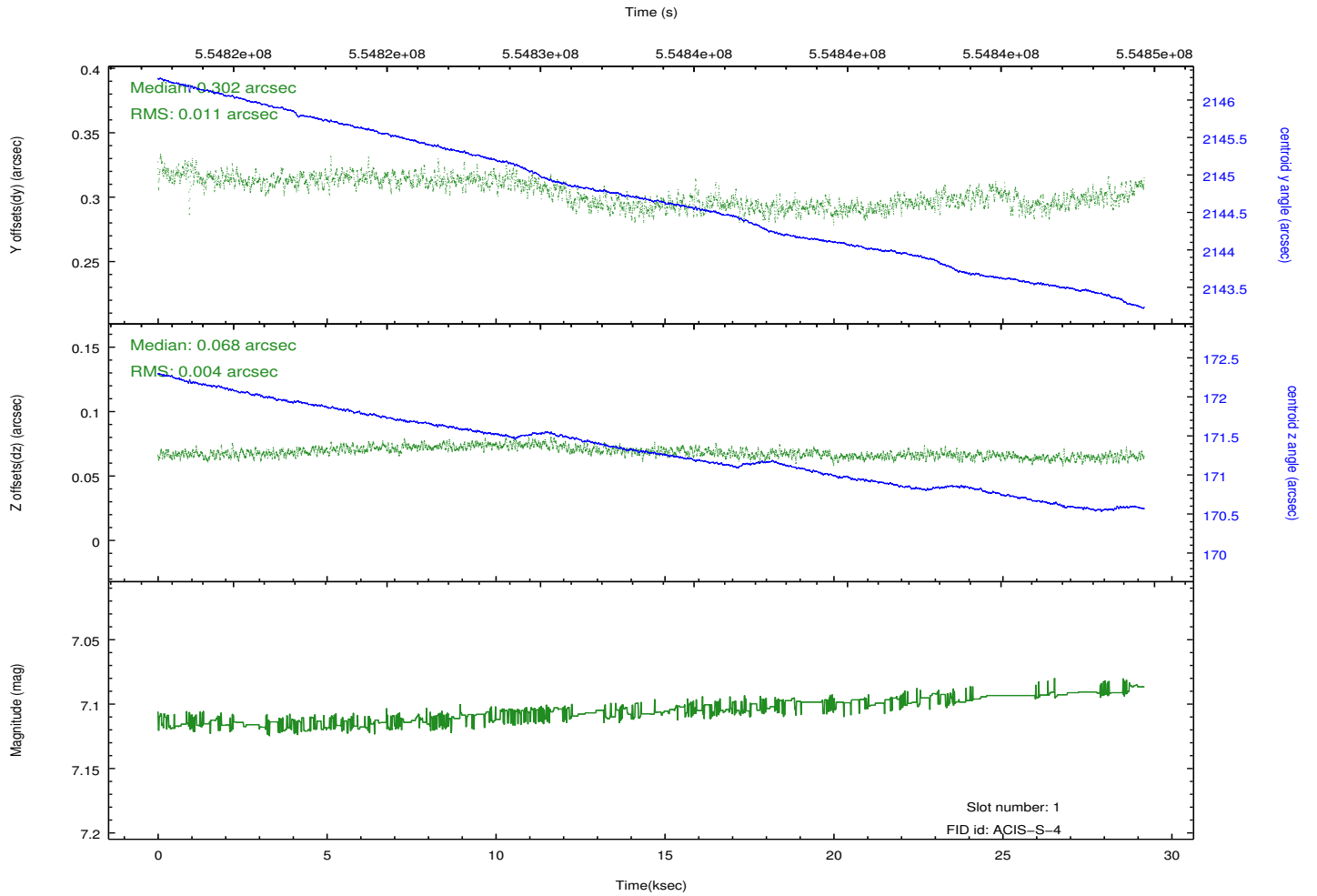
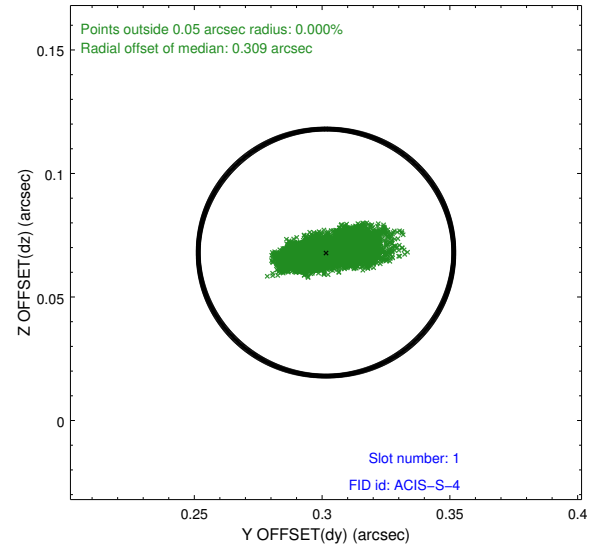
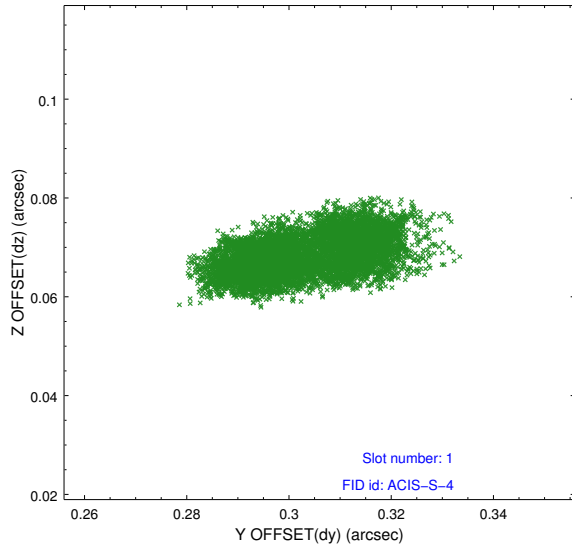


2.5 FID Slots

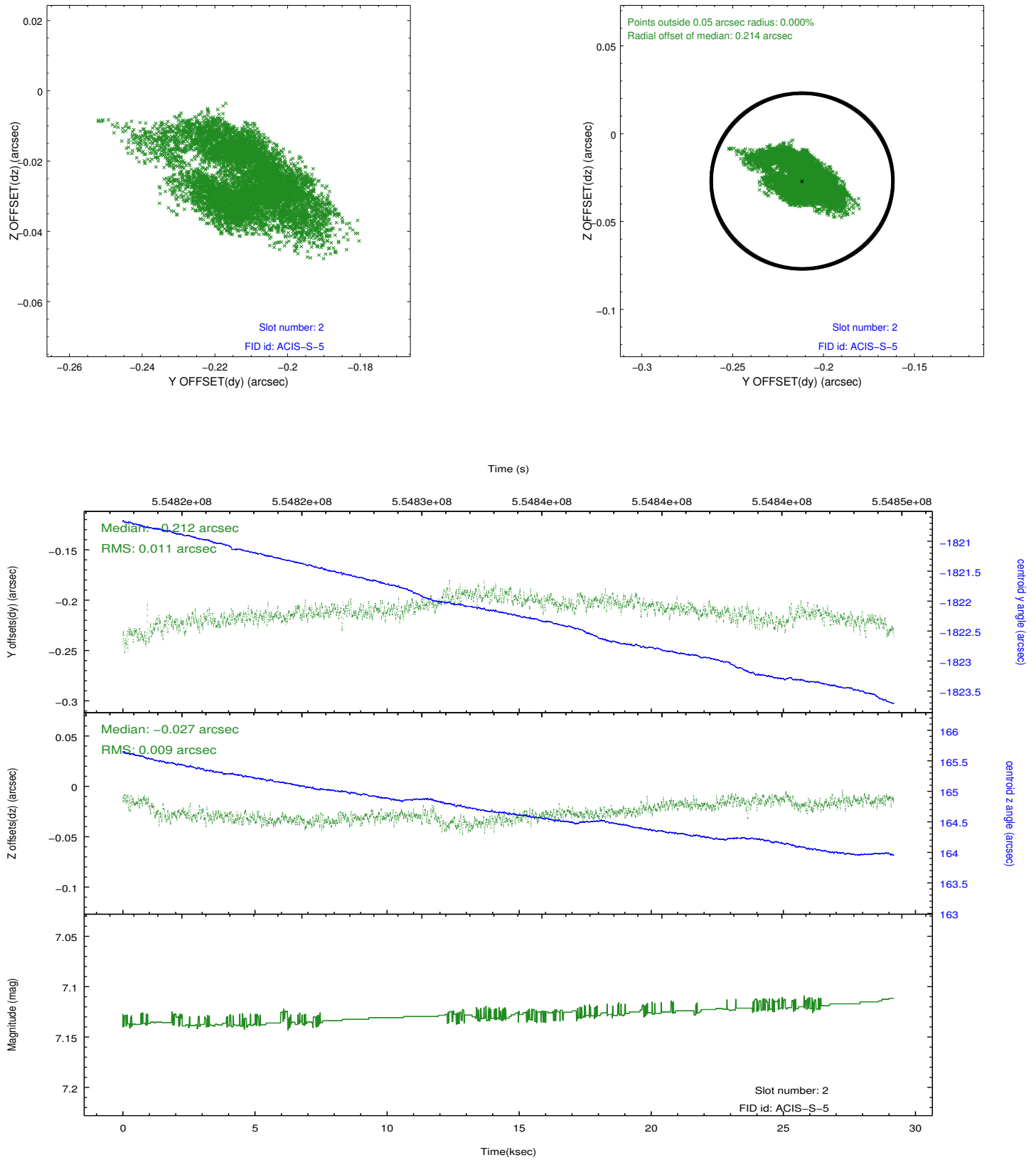
2.5.1 Slot 0



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)	2015.08.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.853144156337

A.2 Comments

Joint Proposal: NRAO. Monitor constraint met.