

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 6179 - L2 Version 3
Chandra X-Ray Center

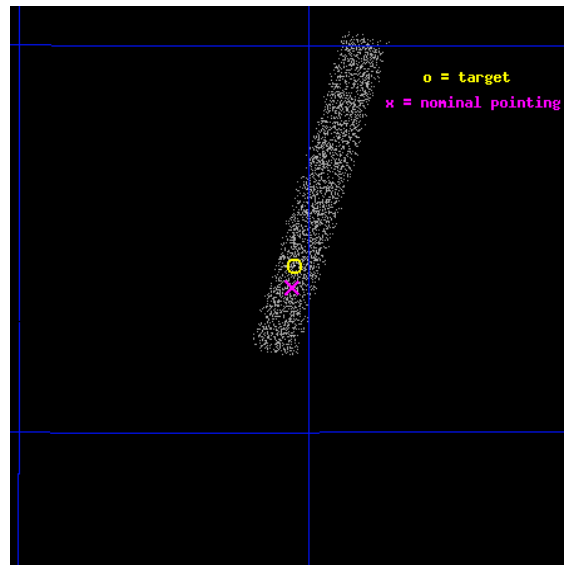
L2 Processing Date : Dec 15 2012

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1 Front

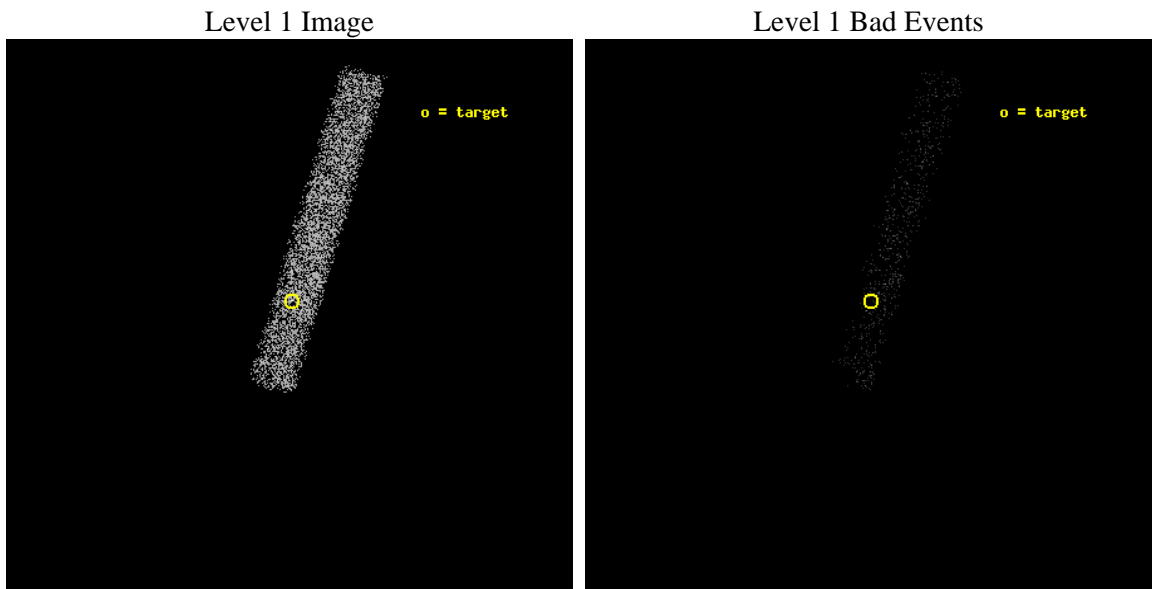
seq_num	400445	Sequence number
obs_id	6179	Observation id
title	Following the decay of the new accretion powered msec pulsar IGR J00291+5934	Proposal title
observer	dr Peter Jonker	Principal investigator
object	IGR J00291+5934	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	7.262917	Observer's specified target RA [deg]
dec_targ	59.571944	Observer's specified target Dec [deg]
ra_nom	7.265138423949	Nominal RA [deg]
dec_nom	59.562310031802	Nominal Dec [deg]
roll_nom	286.57891570992	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5185.2000772357	Sum of GTIs [s]
livetime	4702.7027727514	Livetime [s]
ontime7	5185.2000772357	Sum of GTIs [s]
l2events	3305	Number of level 2 events



2 OBI

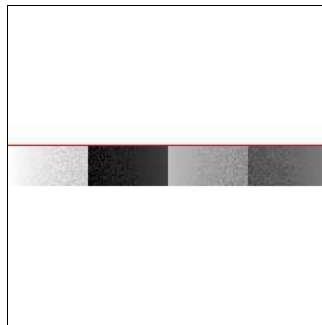
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	5185.2000772357	Sum of GTIs [s]
caldsver	4.5.5	 	ontime7	5185.2000772357	Sum of GTIs [s]
date	2012-12-15T20:31:22	Date and time of file creation	l1events	8440	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

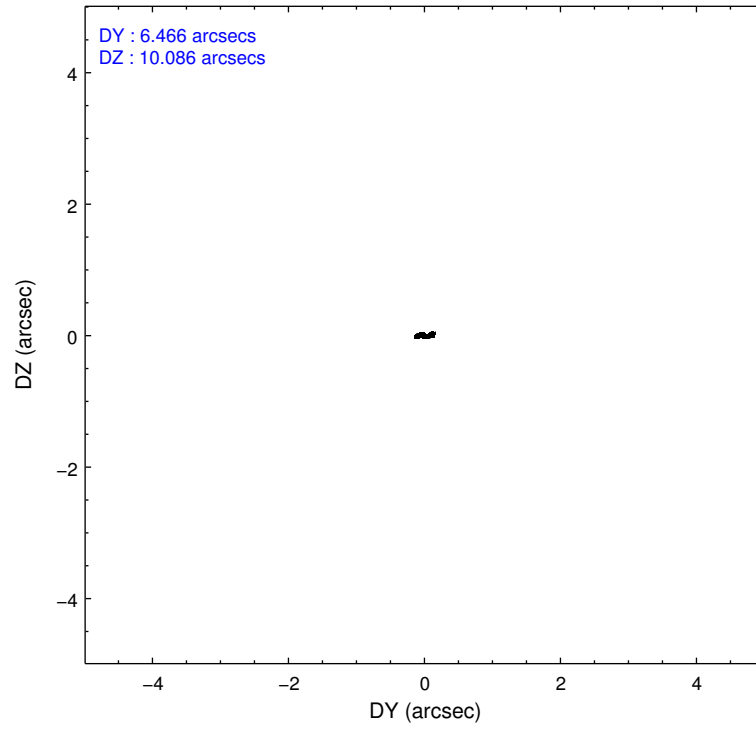
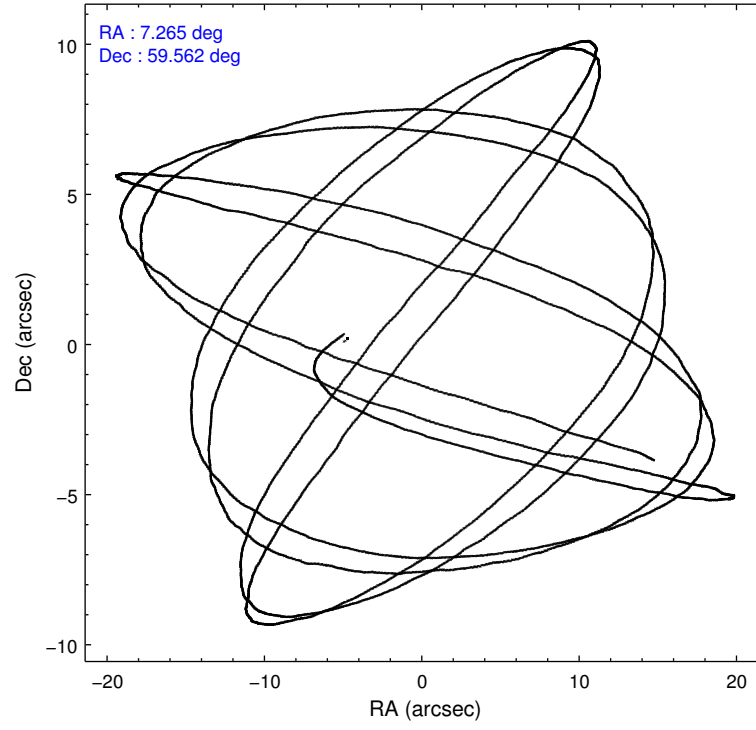
	ccd 7
level 1 events	8440
rejected events	4985
rejected %	59%

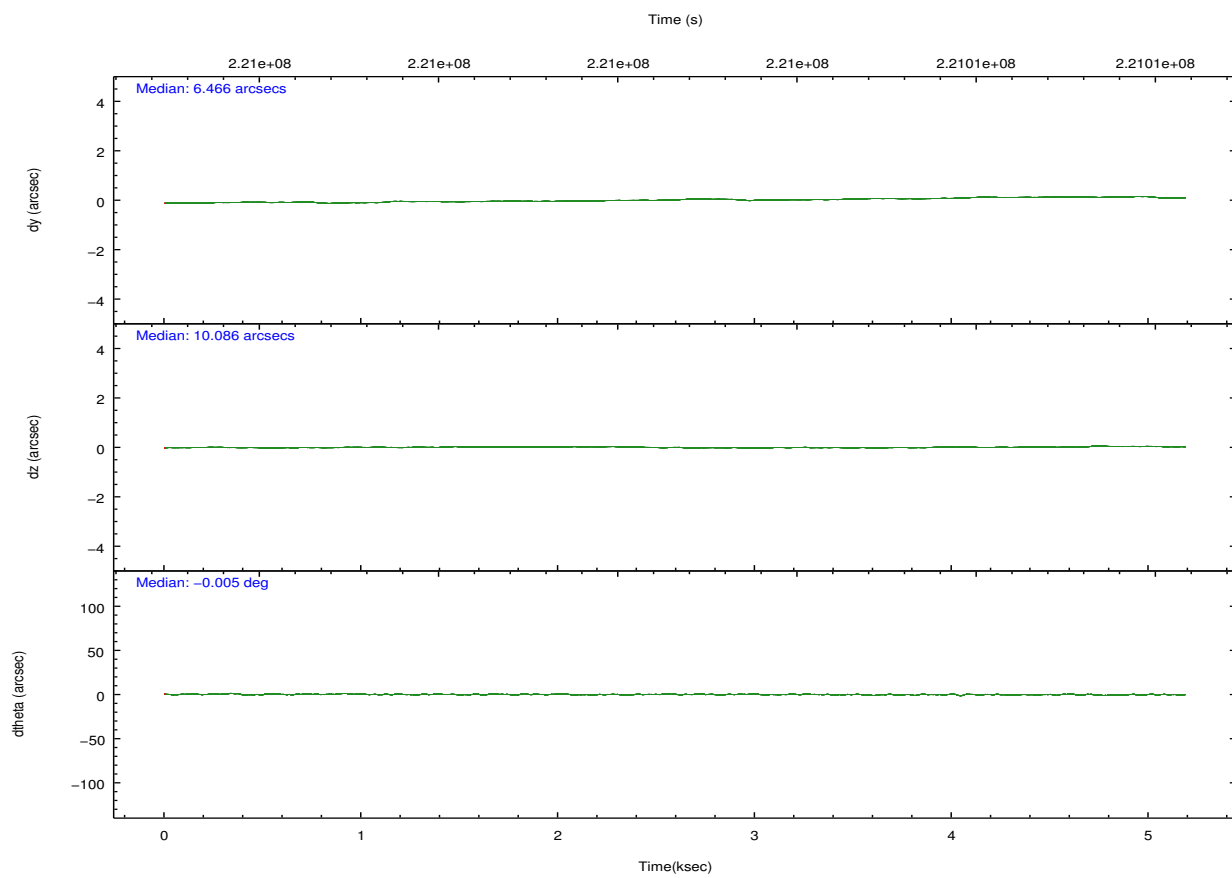
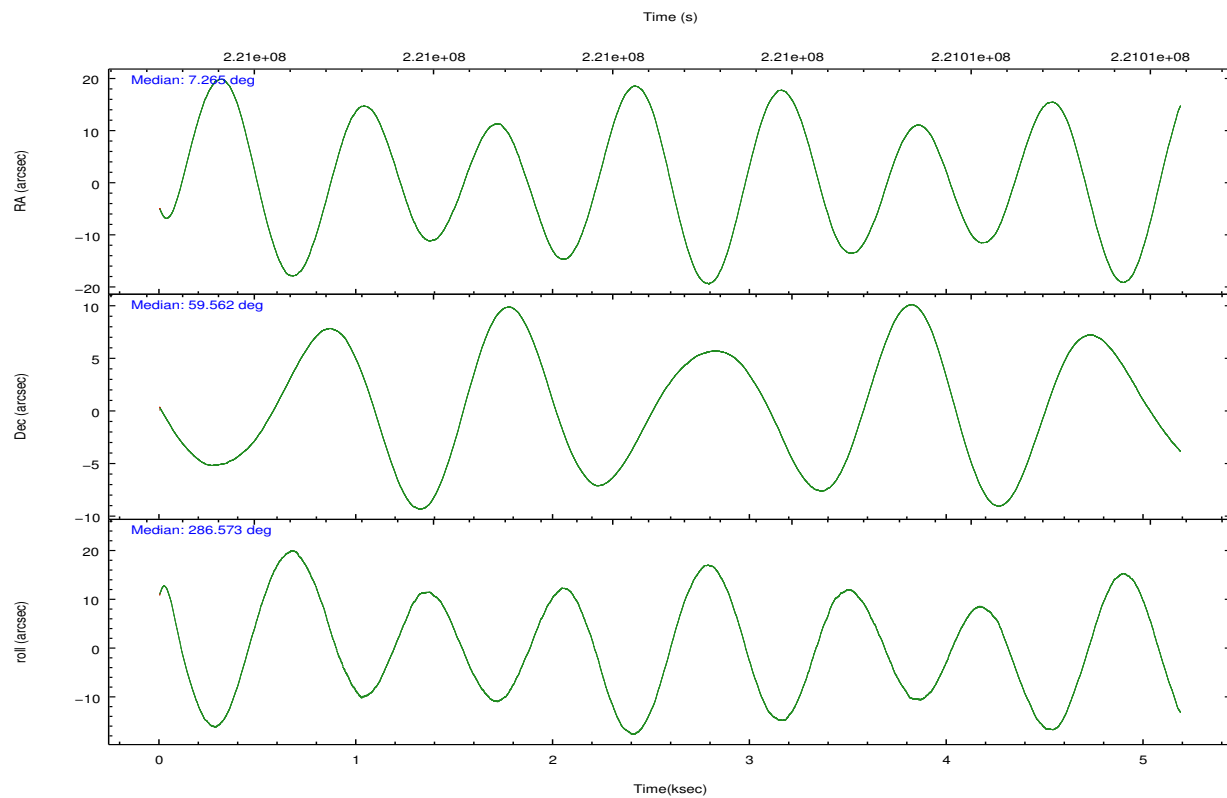
	ccd 7
grade 0 events	407
	4%
grade 1 events	8
	0%
grade 2 events	739
	8%
grade 3 events	496
	5%
grade 4 events	508
	6%
grade 5 events	764
	9%
grade 6 events	1843
	21%
grade 7 events	3675
	43%

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	7.225511	7.265138423948997	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	59.580782	59.56231003180153	Subarray start row	449	449
[deg] Pointing Roll	286.456441	286.5789157099172	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)	221001918.184000	221000889.44043			
Observation start date	2005-01-01T21:24:14	2005-01-01T21:08:09			
[s] Observation end time (MET)	221006918.184000	221007858.41575			
Observation end date	2005-01-01T22:47:34	2005-01-01T23:04:18			
Read mode	TIMED	TIMED			

2.3 Aspect



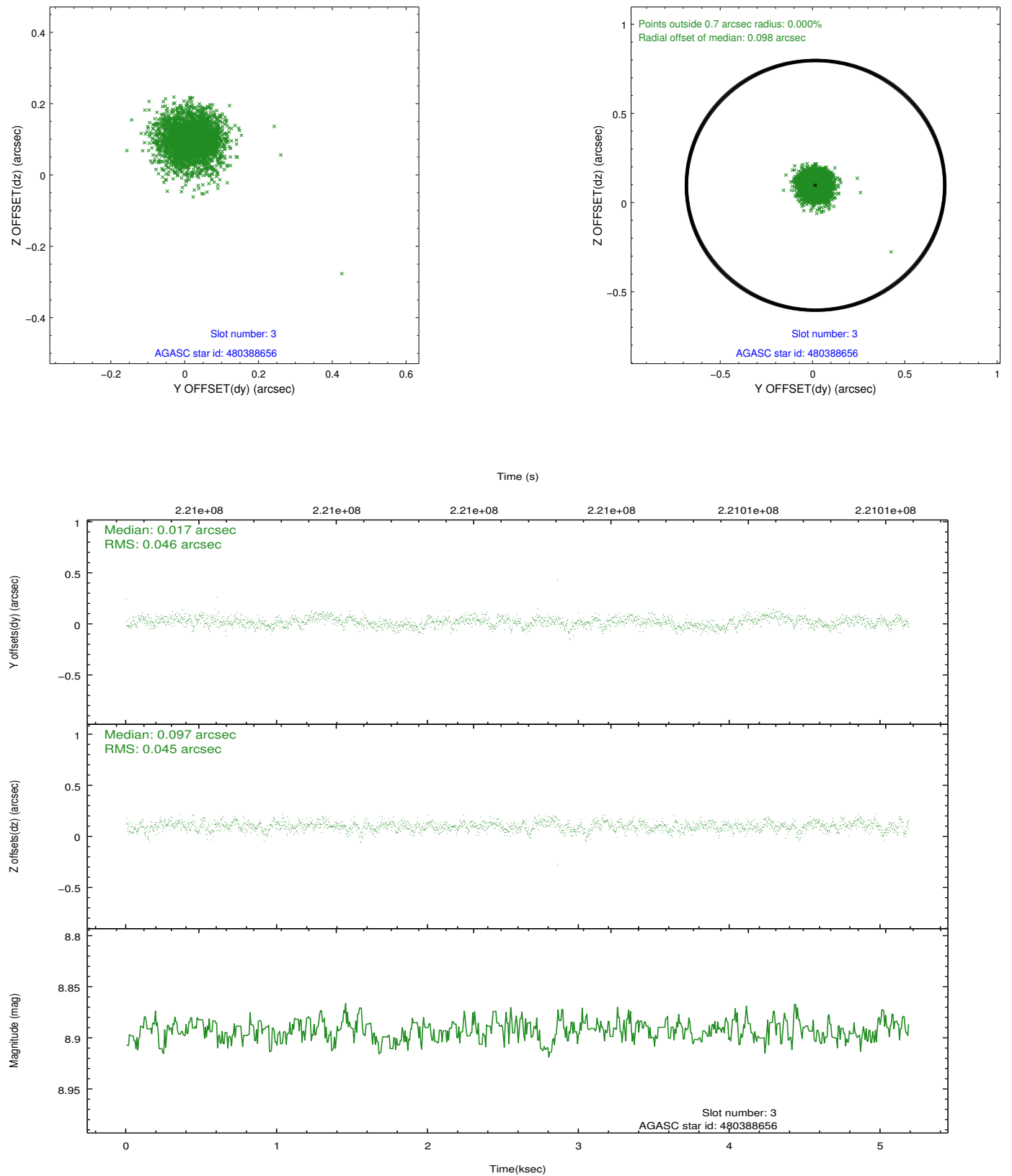


Slot Statistics

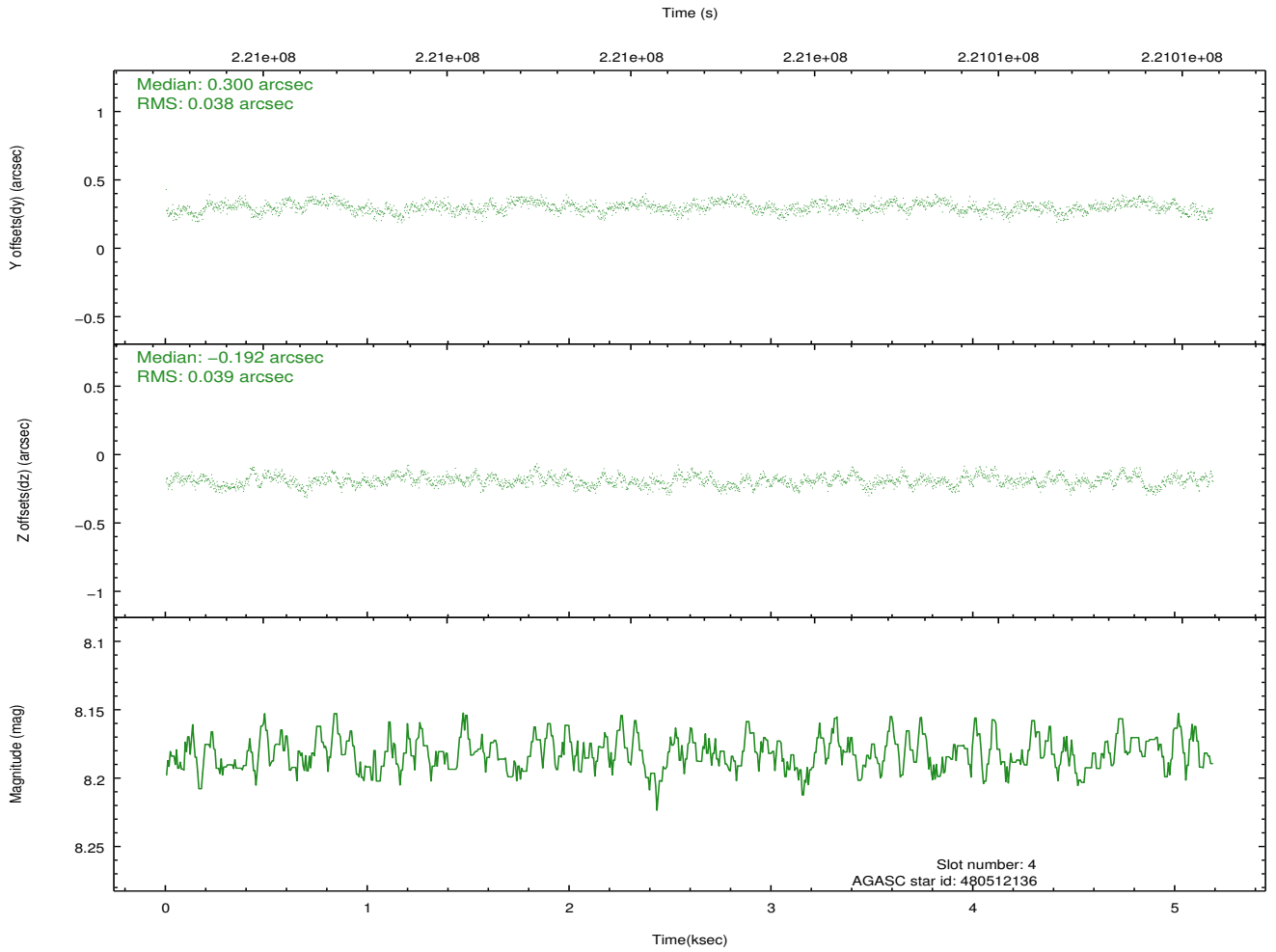
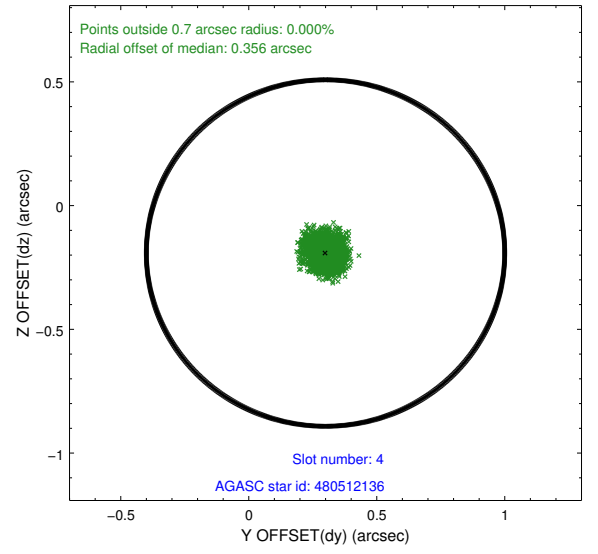
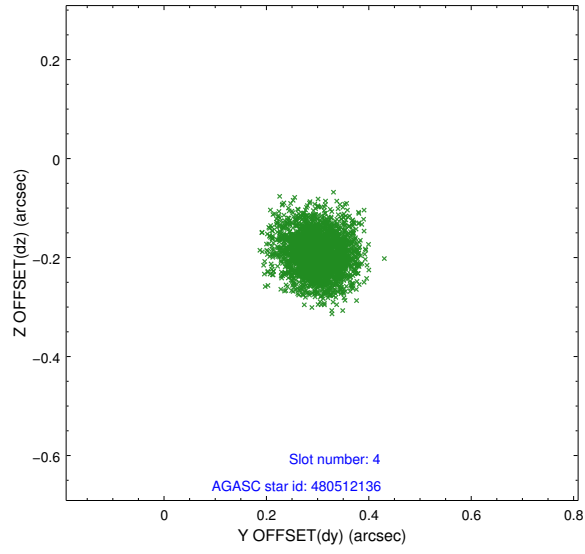
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1266	-0.061	-0.018	0.006	0.011	0.000000	0.000000	-759.24	-1731.37
1	FID	ACIS-S-4	7.20	1266	0.090	0.035	0.005	0.009	0.000000	0.000000	2153.63	176.01
2	FID	ACIS-S-5	7.23	1266	-0.059	-0.008	0.006	0.011	0.000000	0.000000	-1810.61	170.90
3	GUIDE	480388656	8.89	2531	0.017	0.097	0.067	0.107	6.593066	59.181927	1041.82	-1523.56
4	GUIDE	480512136	8.18	2531	0.300	-0.192	0.058	0.094	7.475231	59.254866	1255.62	108.05
5	GUIDE	480513376	8.58	2529	0.116	-0.086	0.074	0.116	7.508901	59.105688	1788.53	18.41
6	GUIDE	526278336	9.22	2527	-0.175	0.134	0.078	0.124	7.887747	60.072116	-1364.43	1643.56
7	GUIDE	526276608	8.60	2530	-0.262	0.047	0.086	0.133	7.524994	60.151139	-1818.93	1097.27

2.4 Star Slots

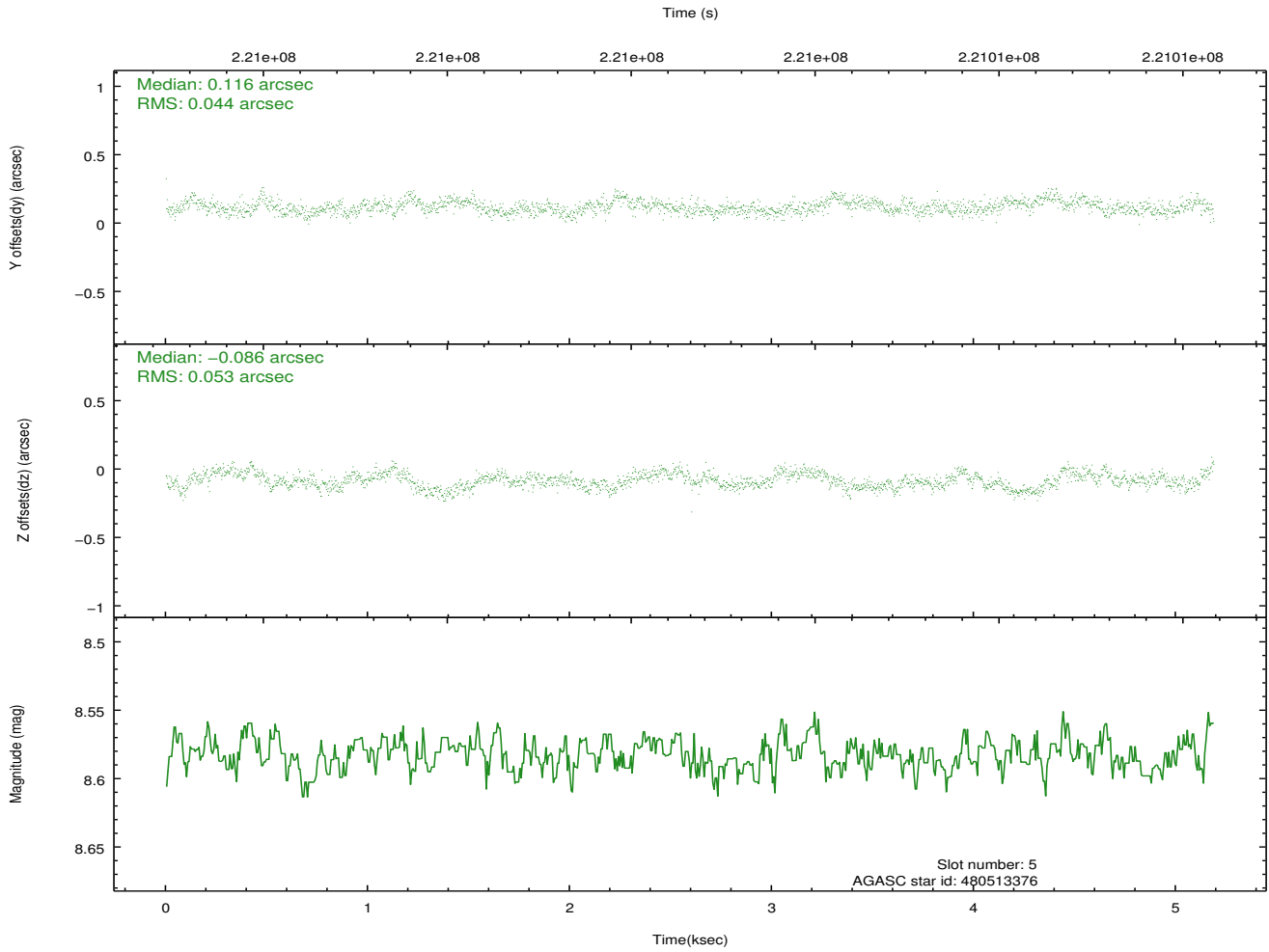
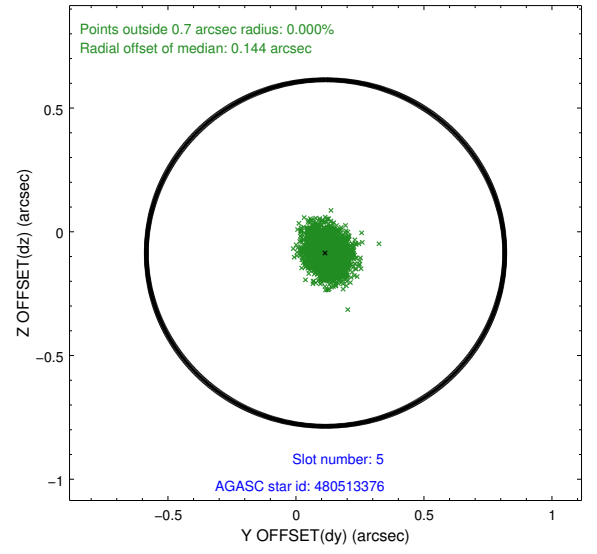
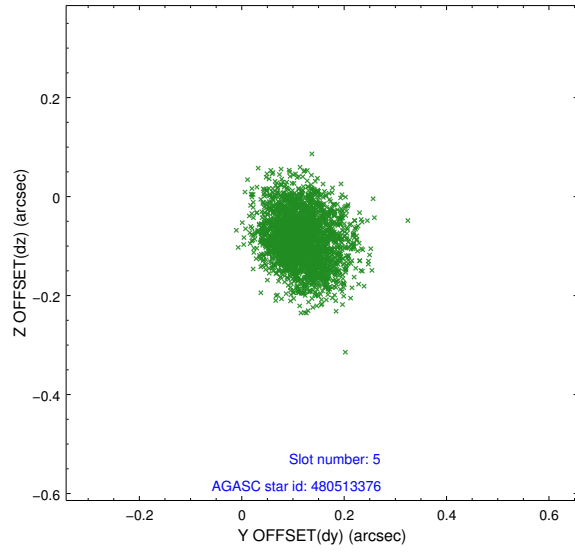
2.4.1 Slot 3



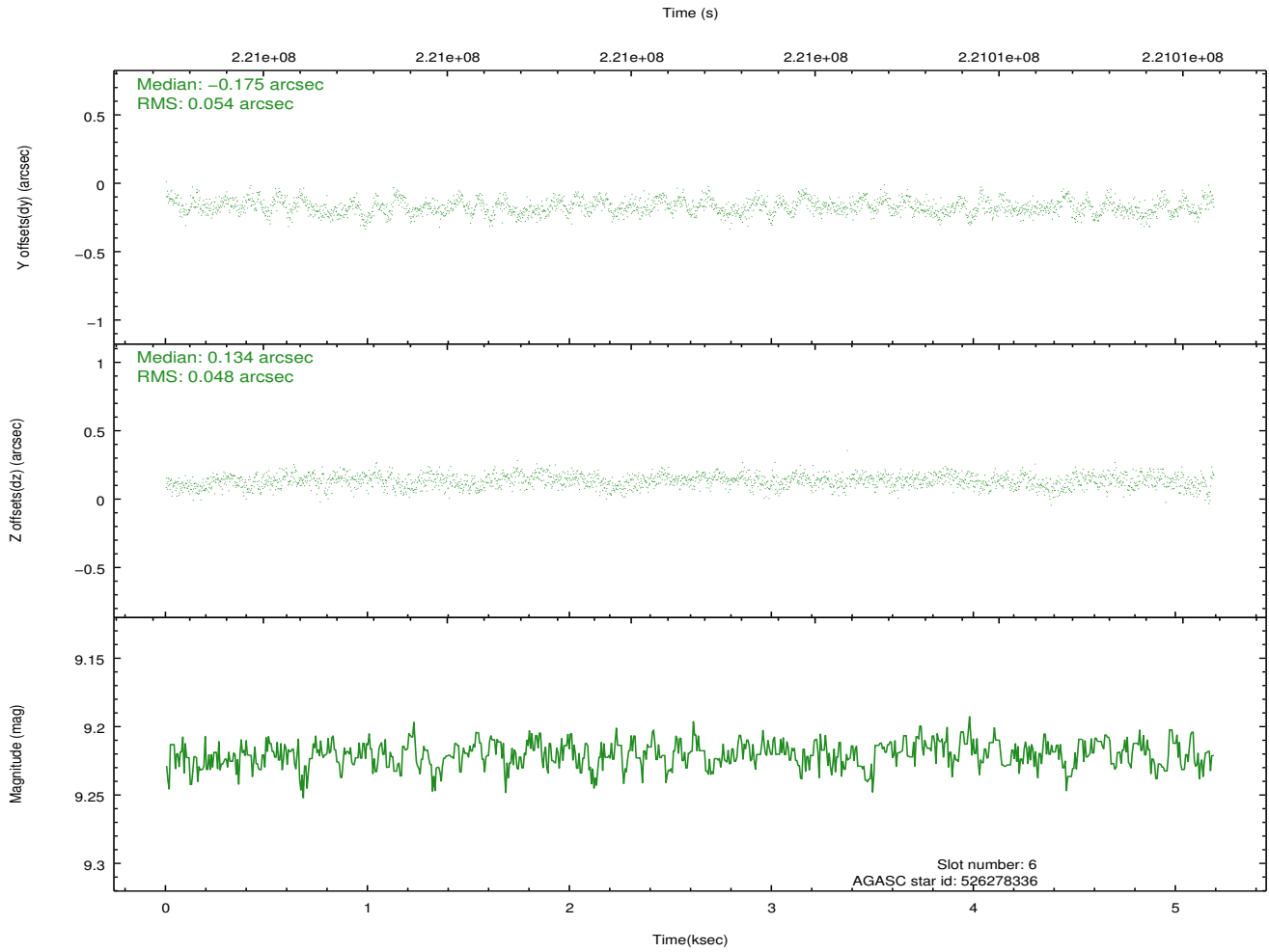
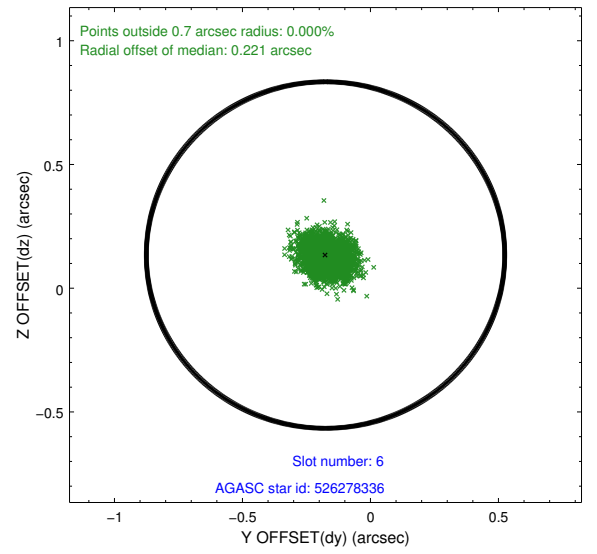
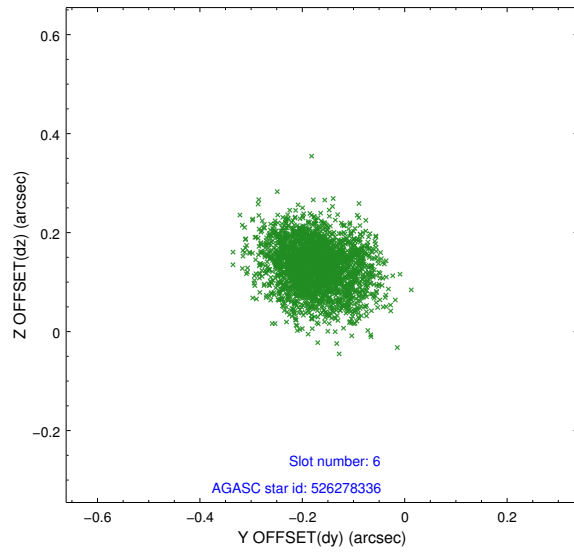
2.4.2 Slot 4



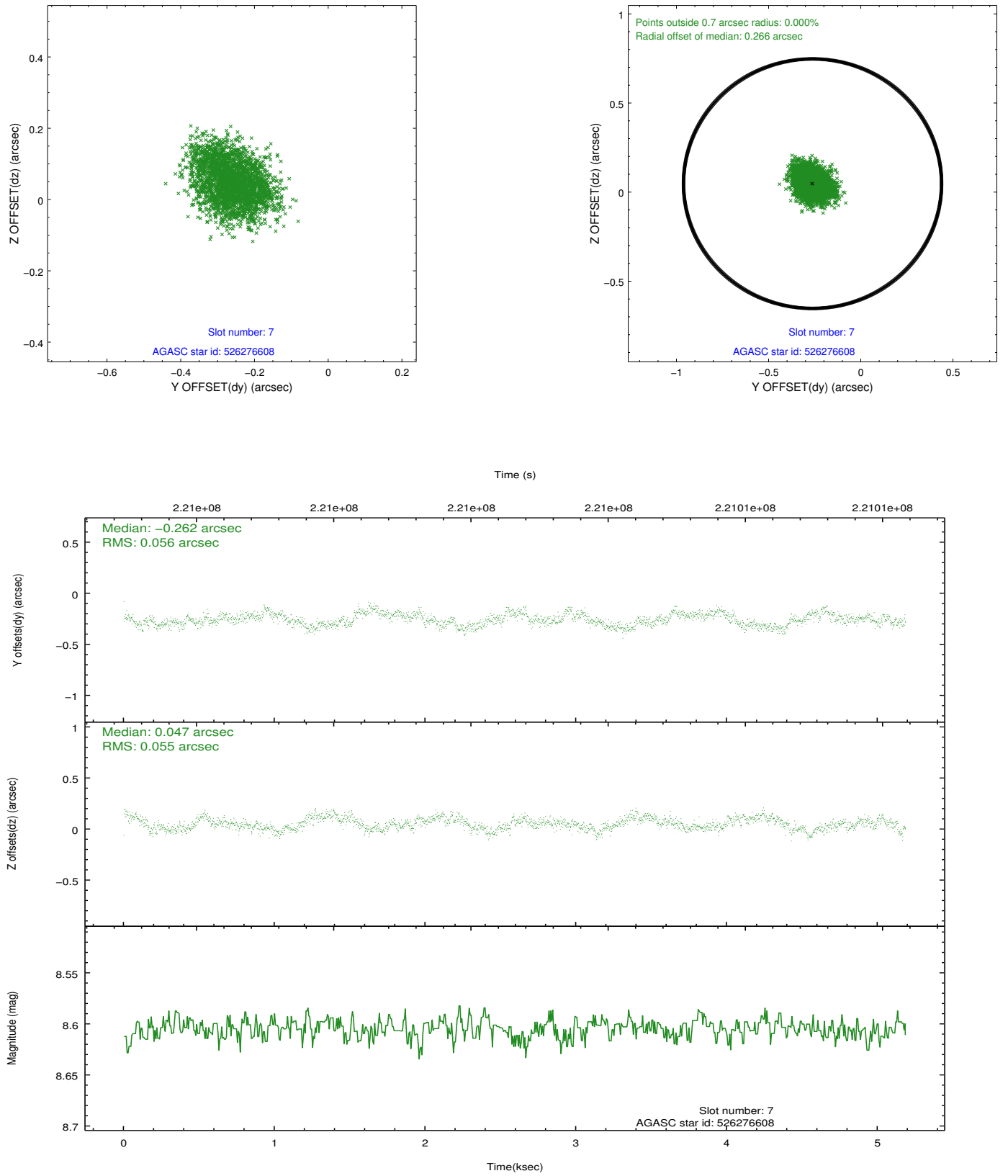
2.4.3 Slot 5



2.4.4 Slot 6

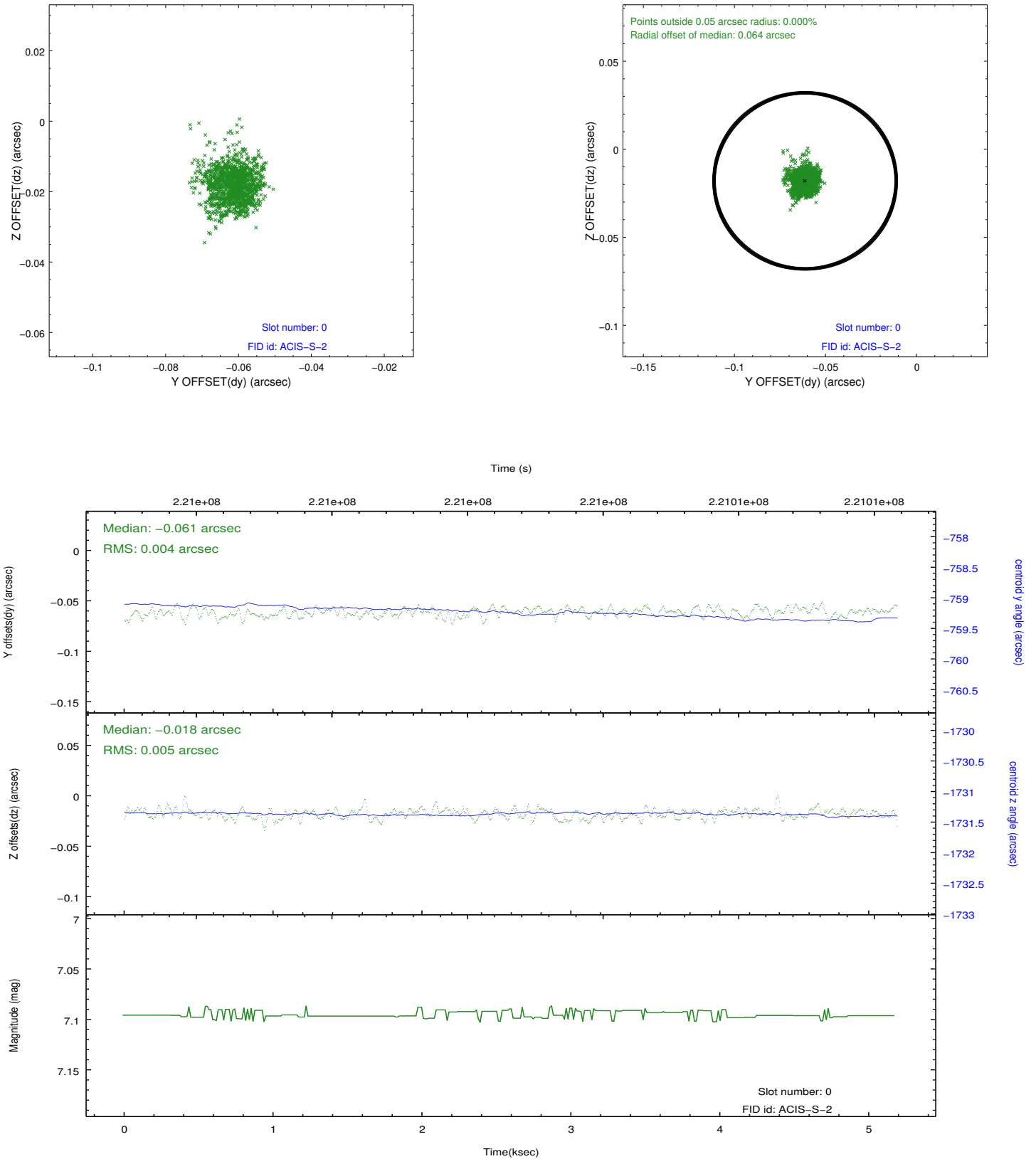


2.4.5 Slot 7

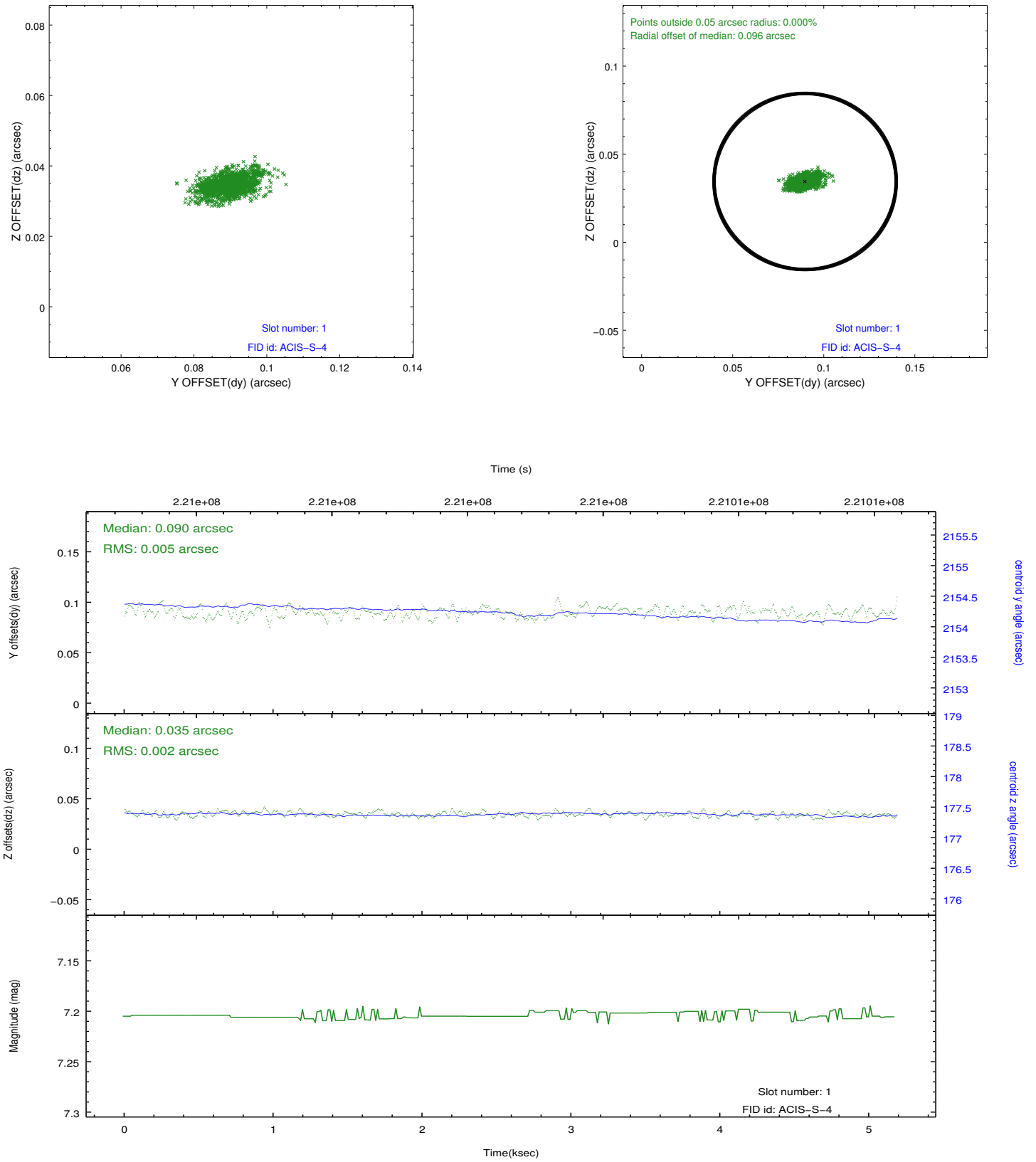


2.5 FID Slots

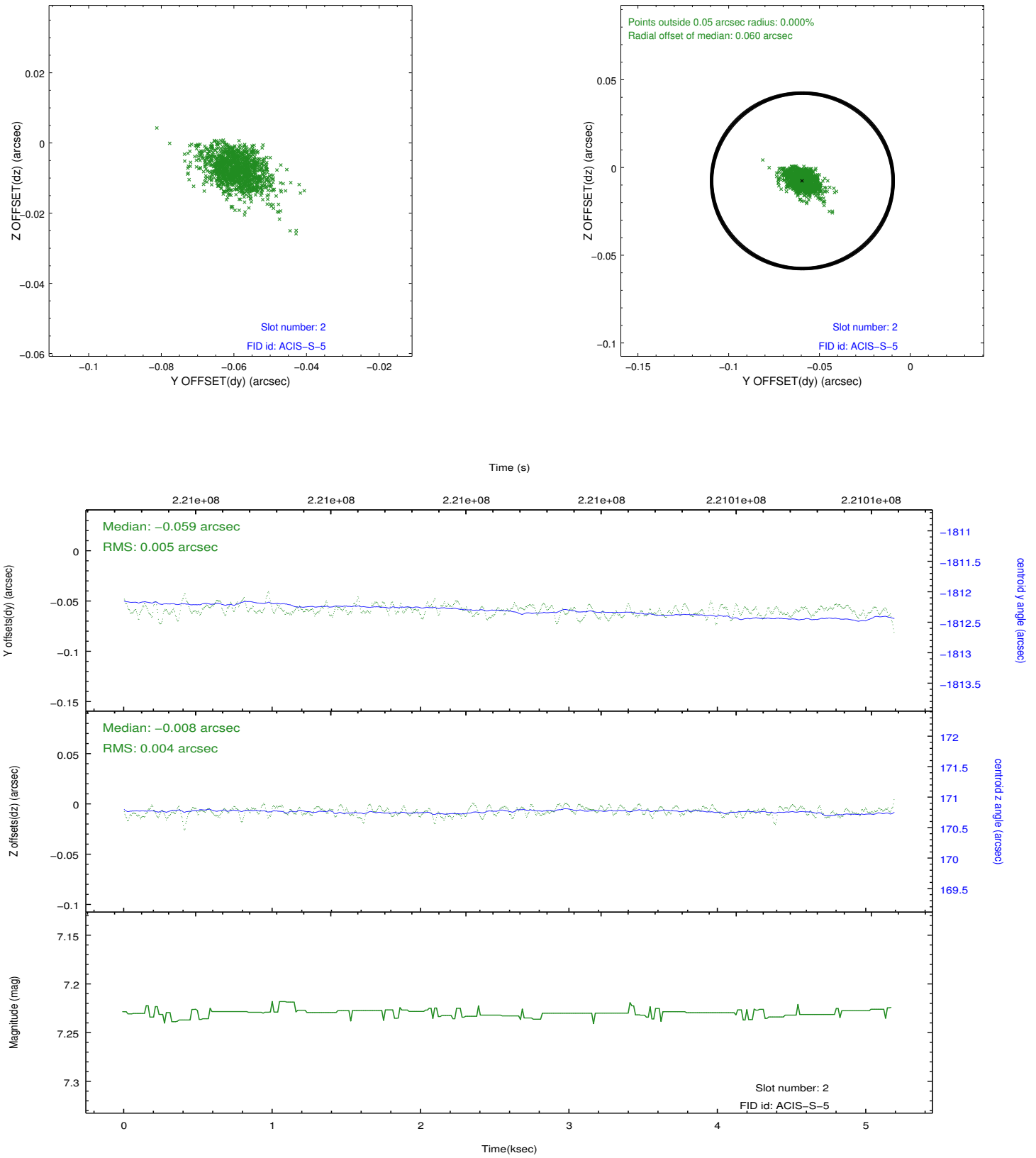
2.5.1 Slot 0



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)	2013.01.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1852

A.2 Comments