

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2458 - L2 Version 4
Chandra X-Ray Center

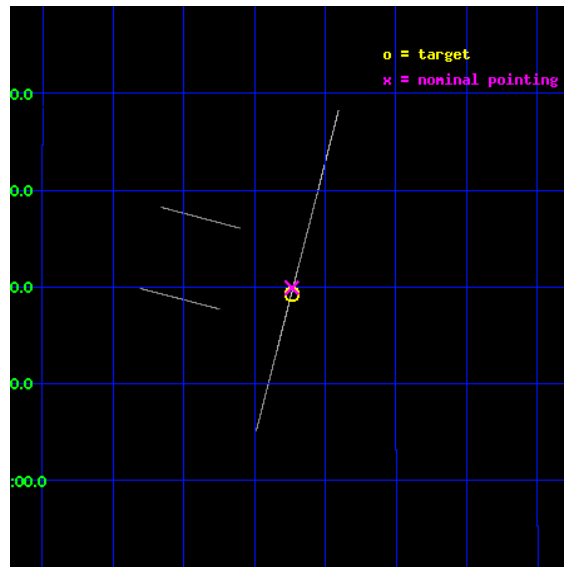
L2 Processing Date : Sep 15 2012

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1 Front

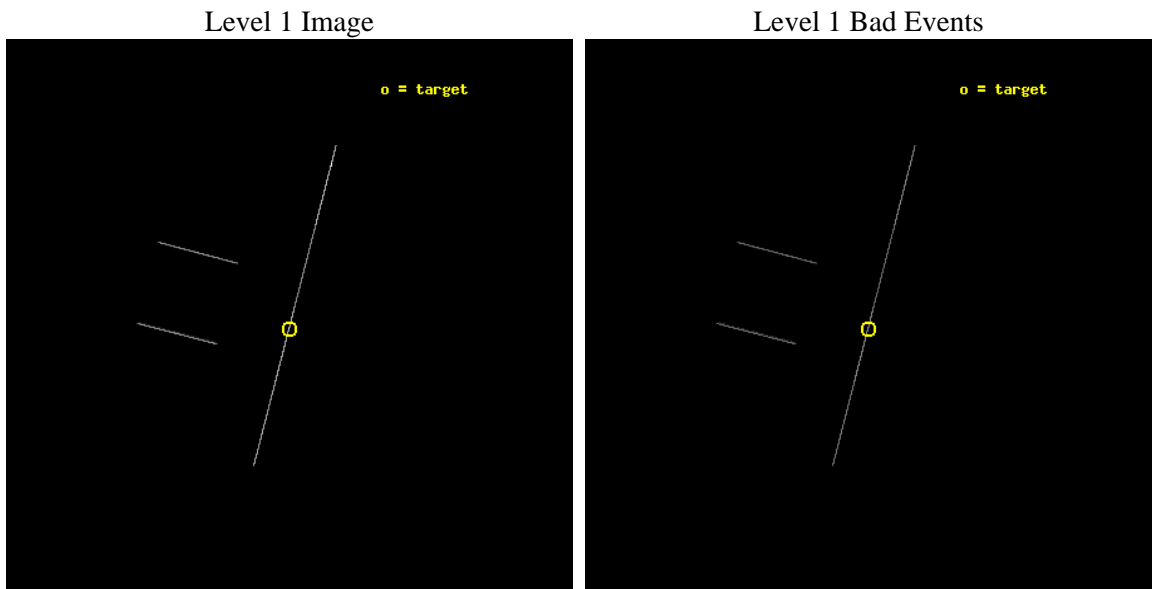
seq_num	500199	Sequence number
obs_id	2458	Observation id
title	IMMEDIATE POST-GIANT FLARE OBSERVATIONS OF SGR 1900+14	Proposal ti
observer	Prof. Shrinivas Kulkarni	Principal investigator
object	SGR 1900+14	Source name
ra_targ	286.809583	Observer's specified target RA [deg]
dec_targ	9.32225	Observer's specified target Dec [deg]
ra_nom	286.80882895773	Nominal RA [deg]
dec_nom	9.3319927290365	Nominal Dec [deg]
roll_nom	104.53932322356	Nominal Roll [deg]
revision	4	Processing version of data
ontime	20831.75	Sum of GTIs [s]
livetime	20750.375976562	Livetime [s]
ontime2	20831.75	Sum of GTIs [s]
ontime3	20831.75	Sum of GTIs [s]
ontime5	20831.75	Sum of GTIs [s]
ontime6	20831.75	Sum of GTIs [s]
ontime7	20831.75	Sum of GTIs [s]
ontime8	20831.75	Sum of GTIs [s]
l2events	238360	Number of level 2 events



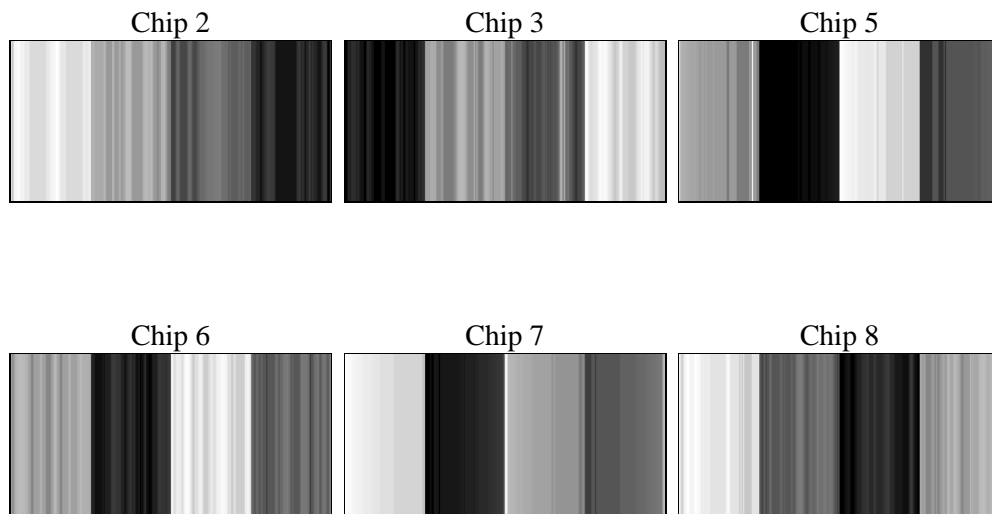
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	20831.75	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	20831.75	Sum of GTIs [s]
date	2012-09-15T14:50:32	Date and time of file creation	ontime3	20831.75	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	20831.75	Sum of GTIs [s]
			ontime6	20831.75	Sum of GTIs [s]
			ontime7	20831.75	Sum of GTIs [s]
			ontime8	20831.75	Sum of GTIs [s]
			l1events	382834	Number of level 1 events

2.1.4 Events

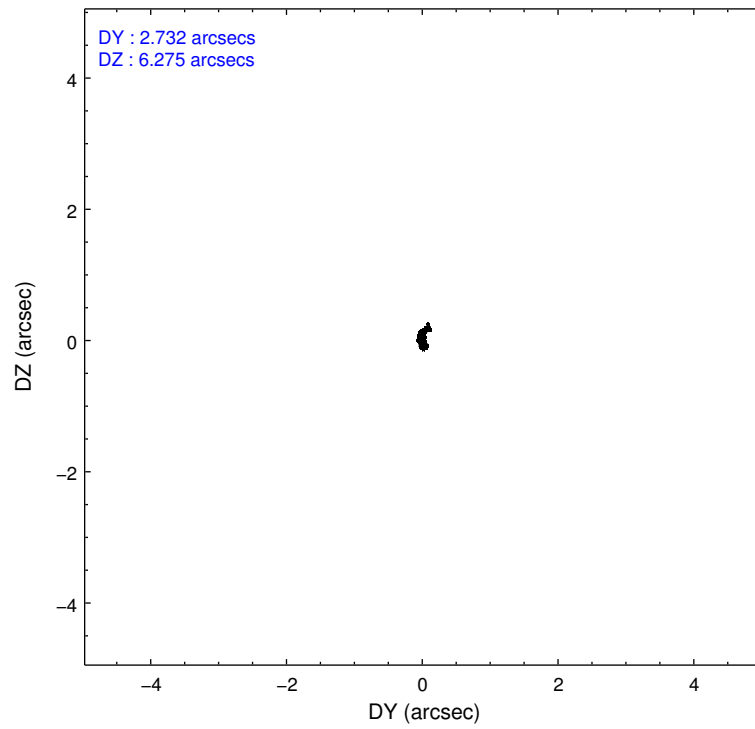
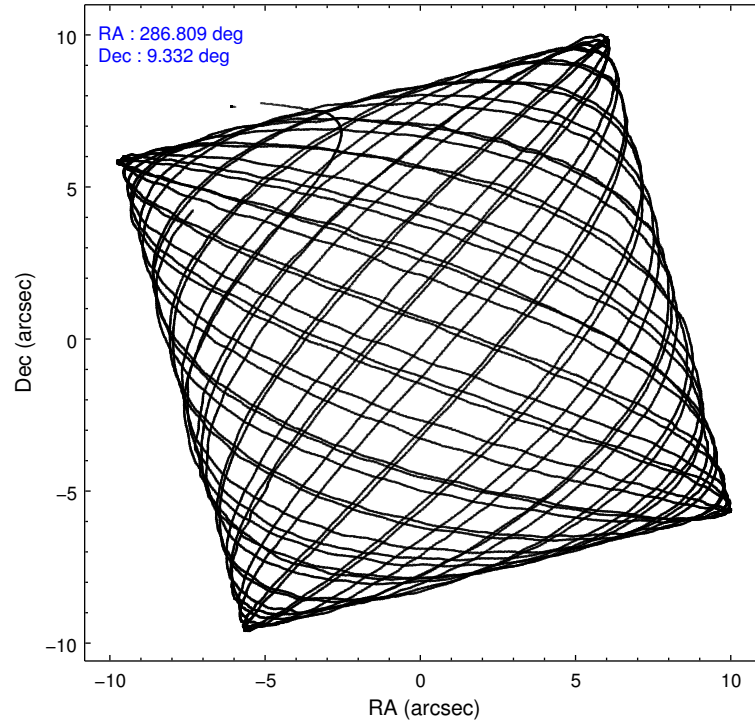
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	26219	28075	145070	28555	98803	56112
rejected events	4564	5005	12650	5291	15797	7658
rejected %	17%	17%	8%	18%	15%	13%

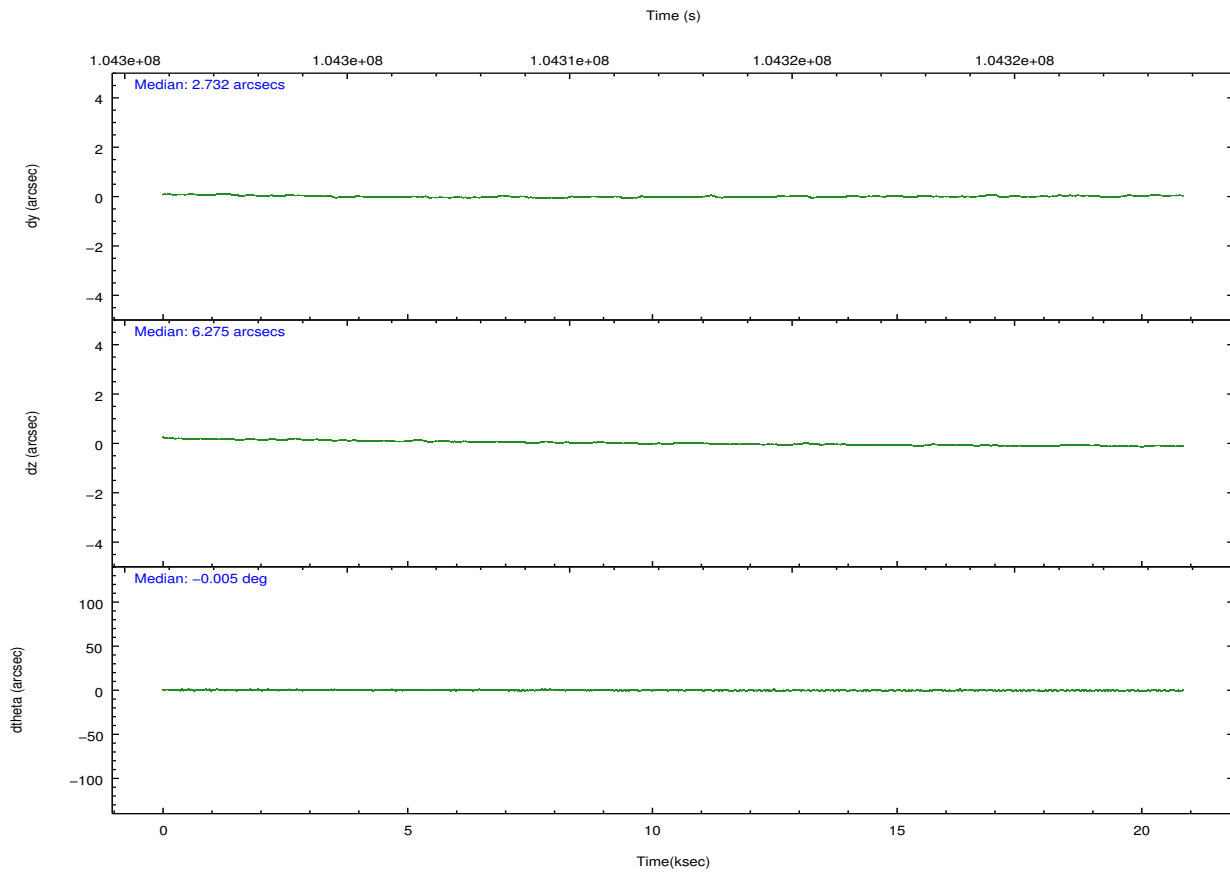
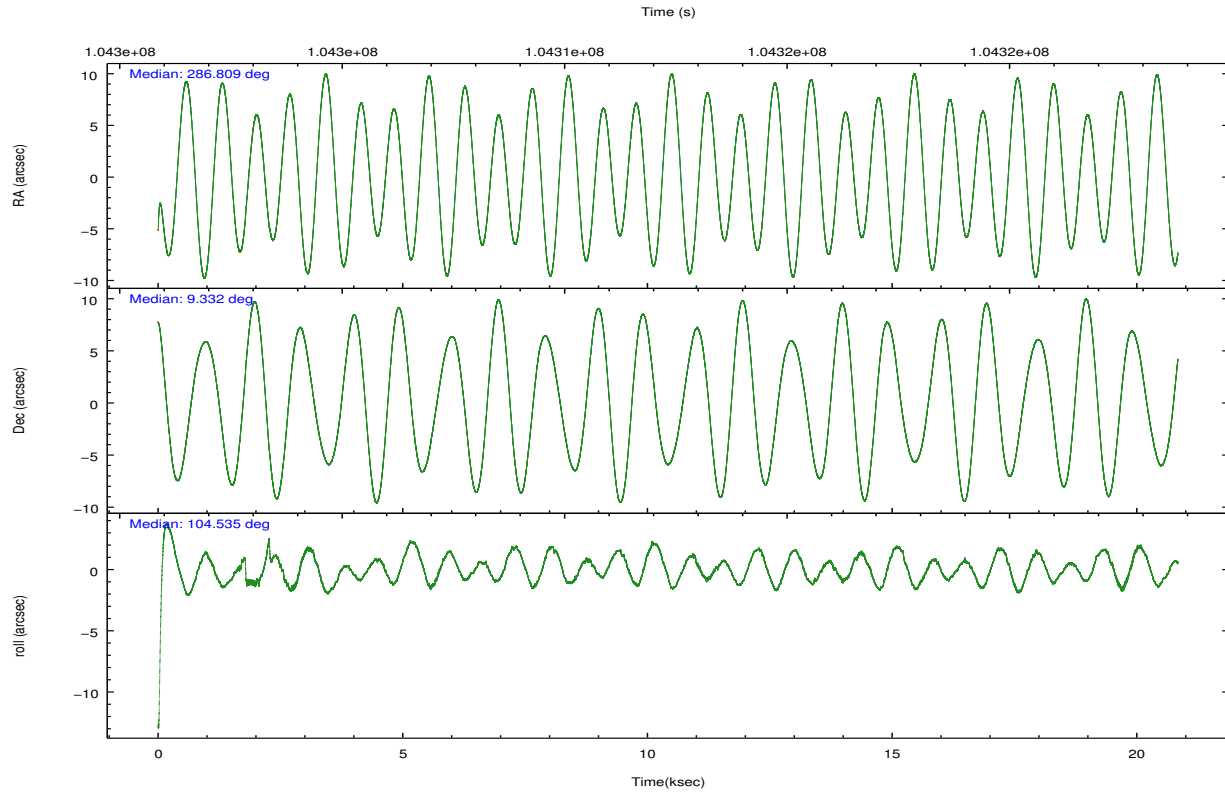
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	2962	3006	46933	2761	10059	9305
	11%	10%	32%	9%	10%	16%
grade 1 events	74	94	170	88	203	170
	0%	0%	0%	0%	0%	0%
grade 2 events	7901	8475	34173	9004	20751	14434
	30%	30%	23%	31%	21%	25%
grade 3 events	3207	3828	2770	3195	7347	6430
	12%	13%	1%	11%	7%	11%
grade 4 events	3317	3245	2551	3257	7333	6161
	12%	11%	1%	11%	7%	10%
grade 5 events	4291	4650	11445	4952	14767	7095
	16%	16%	7%	17%	14%	12%
grade 6 events	4467	4777	47028	5298	38343	12517
	17%	17%	32%	18%	38%	22%
grade 7 events	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	286.828450	286.8088289577303	Subarray requested	NONE	NONE
[deg] Pointing Dec	9.312740	9.331992729036484	Alternating exposures requested	N	N
[deg] Pointing Roll	104.379525	104.539323223562	[s] Primary exposure time	0.000000	0
[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)	104302744.184000	104301463.69695			
Observation start date	2001-04-22T04:58:00	2001-04-22T04:37:43			
[s] Observation end time (MET)	104322744.184000	104324454.96035			
Observation end date	2001-04-22T10:31:20	2001-04-22T11:00:54			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



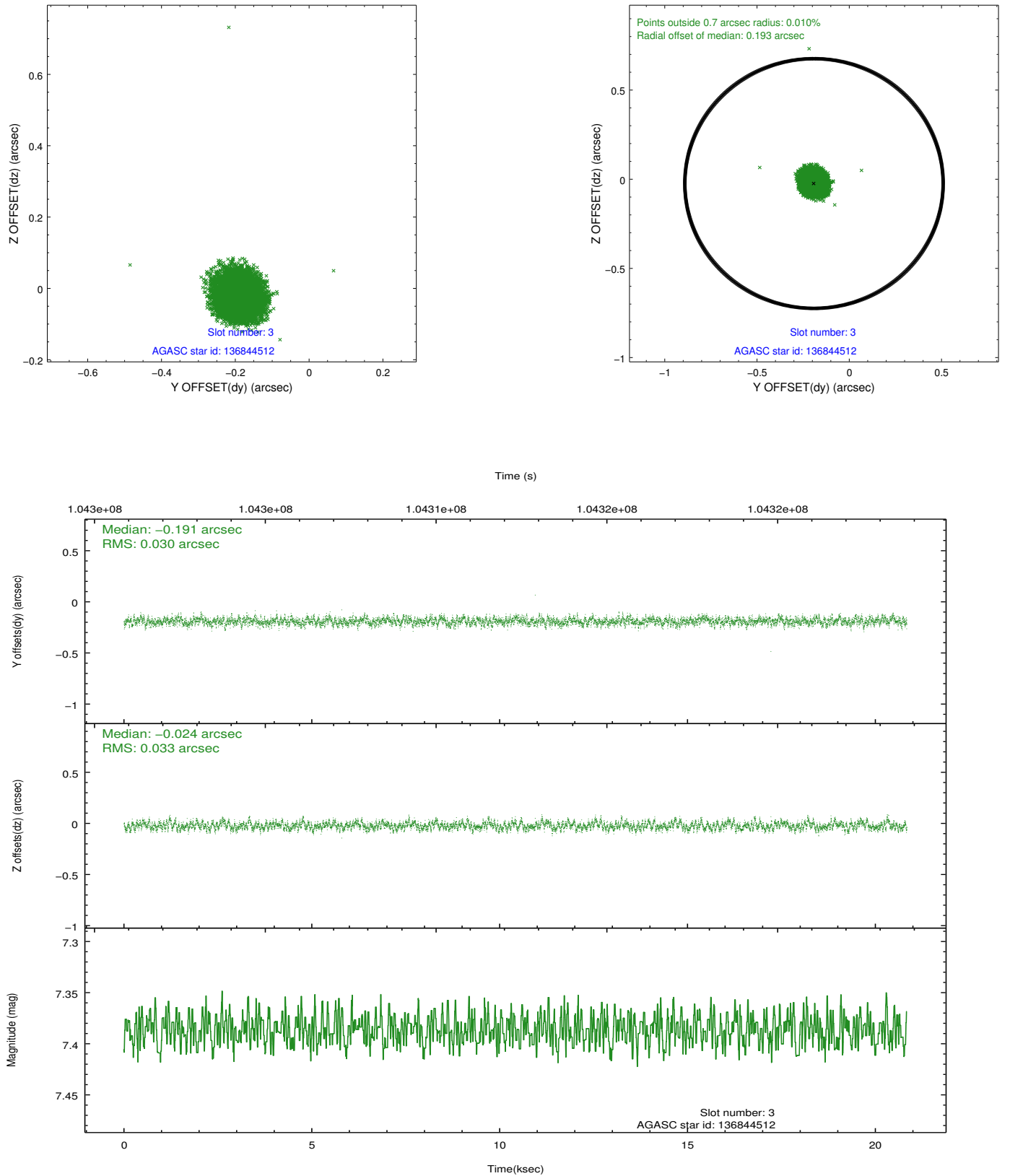


Slot Statistics

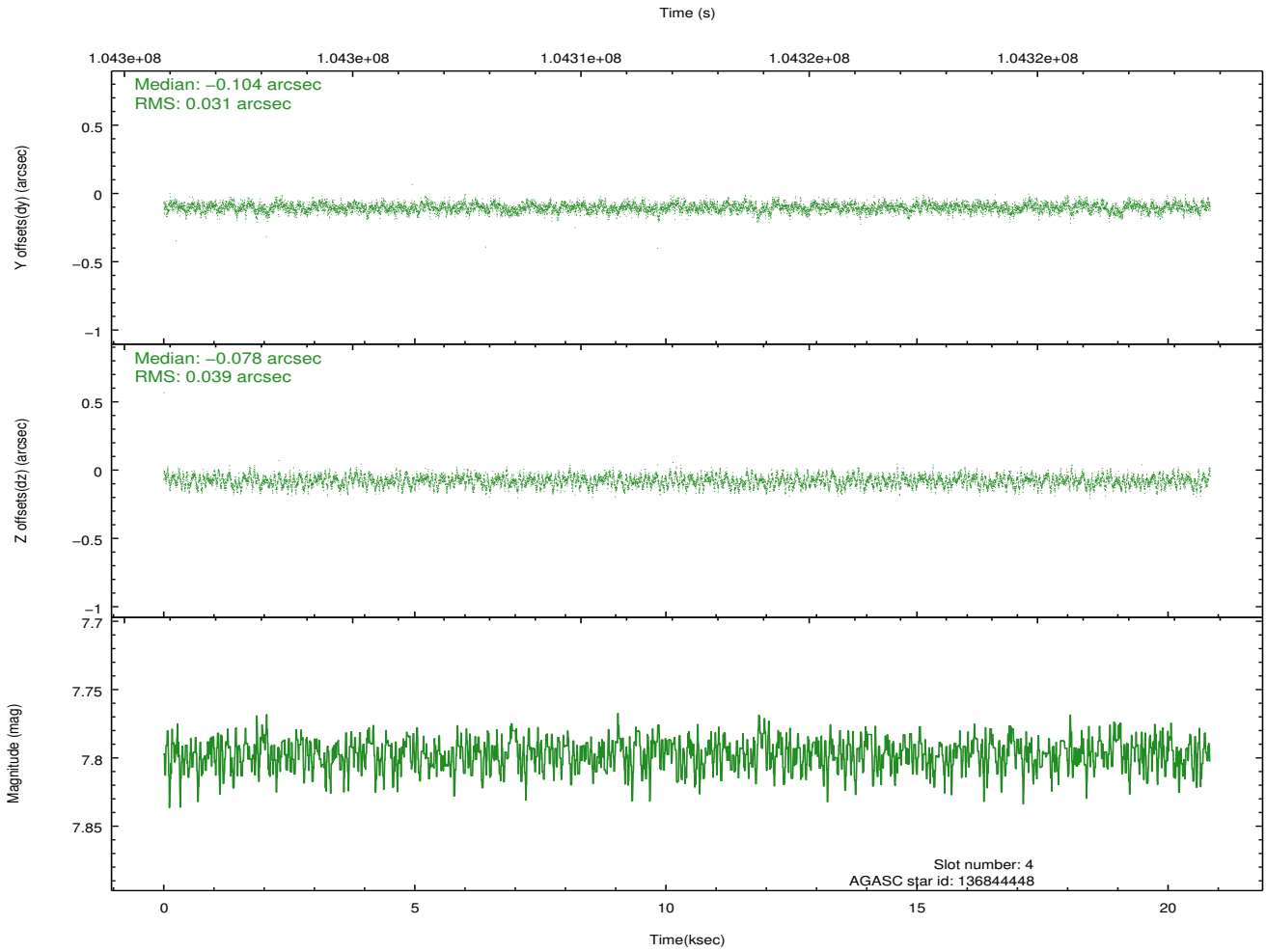
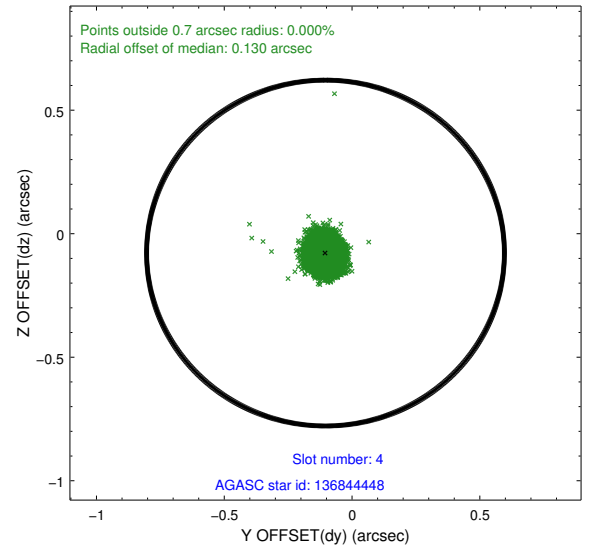
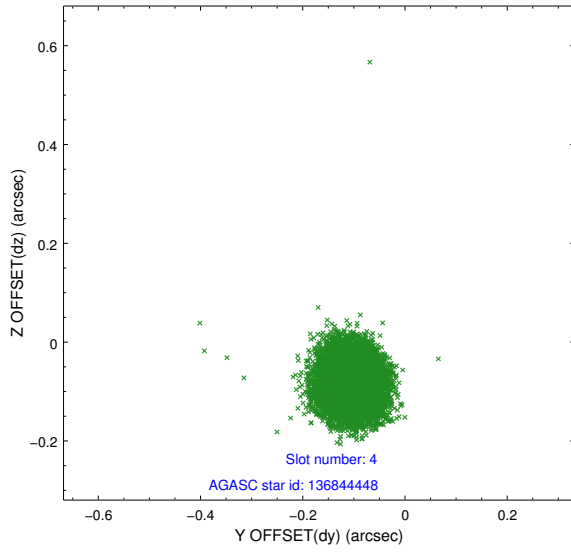
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	5083	-0.021	0.015	0.008	0.013	0.000000	0.000000	-755.36	-1727.43
1	FID	ACIS-S-4	7.20	5082	-0.055	0.006	0.006	0.011	0.000000	0.000000	2157.77	180.91
2	FID	ACIS-S-5	7.23	5082	0.044	-0.012	0.007	0.013	0.000000	0.000000	-1807.95	174.69
3	GUIDE	136844512	7.39	10165	-0.191	-0.024	0.047	0.074	286.436543	9.770401	1941.51	937.18
4	GUIDE	136844448	7.80	10165	-0.104	-0.078	0.052	0.083	286.569231	9.582775	1170.32	649.45
5	GUIDE	136315920	8.22	10165	0.094	-0.120	0.049	0.079	286.430663	9.097145	-400.06	1561.70
6	GUIDE	136316696	7.91	10164	0.107	0.184	0.051	0.081	287.190166	9.367792	-126.51	-1294.06
7	GUIDE	136316048	8.25	10162	0.095	0.039	0.056	0.090	286.616424	9.034888	-781.75	977.92

2.4 Star Slots

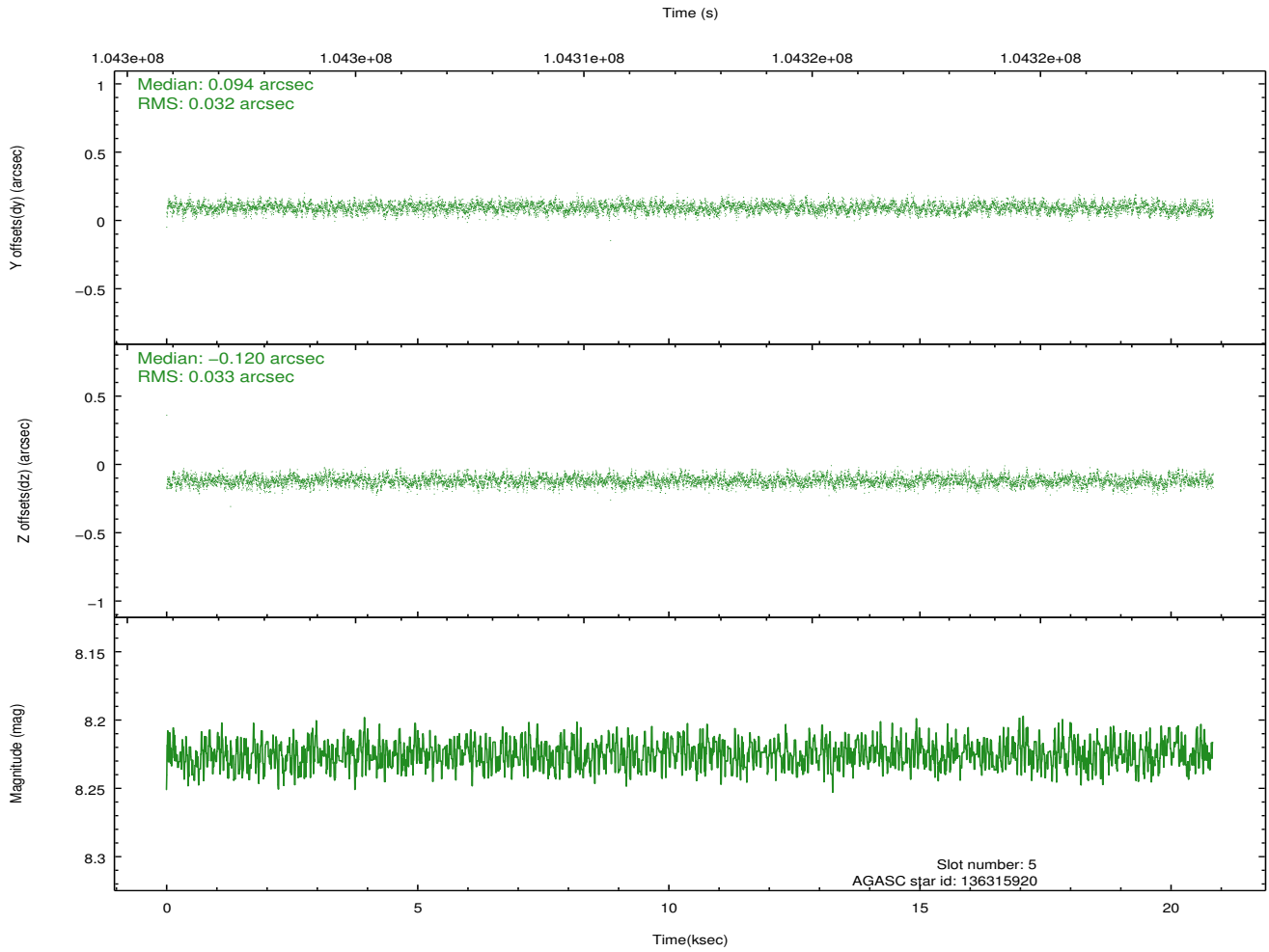
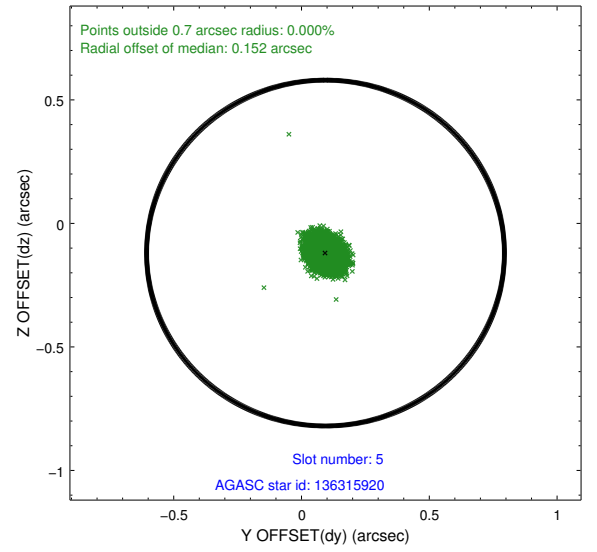
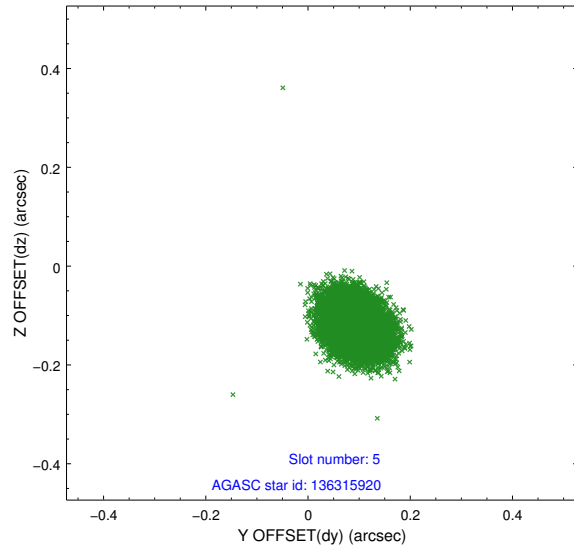
2.4.1 Slot 3



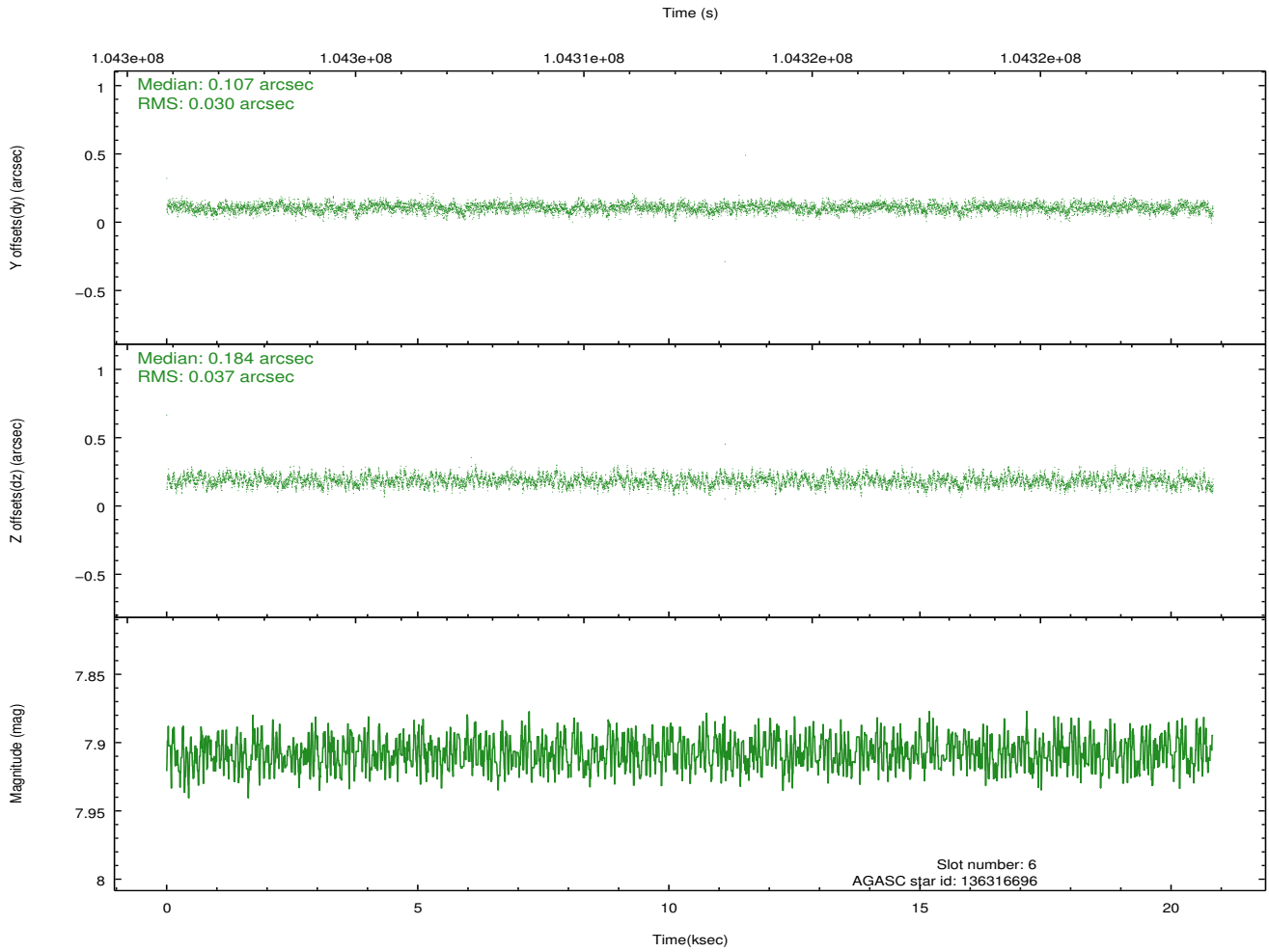
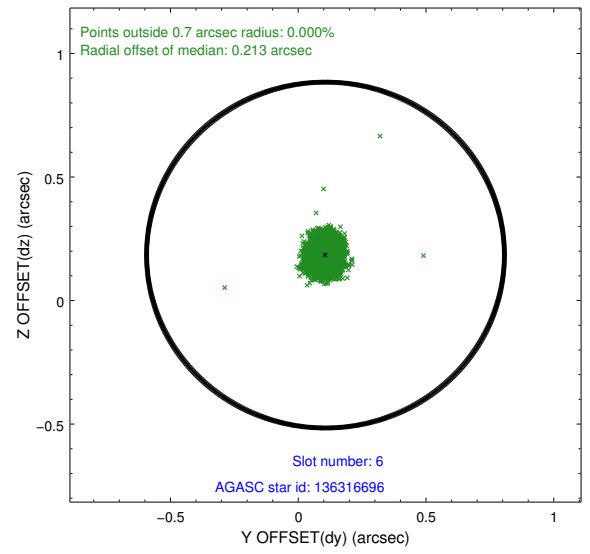
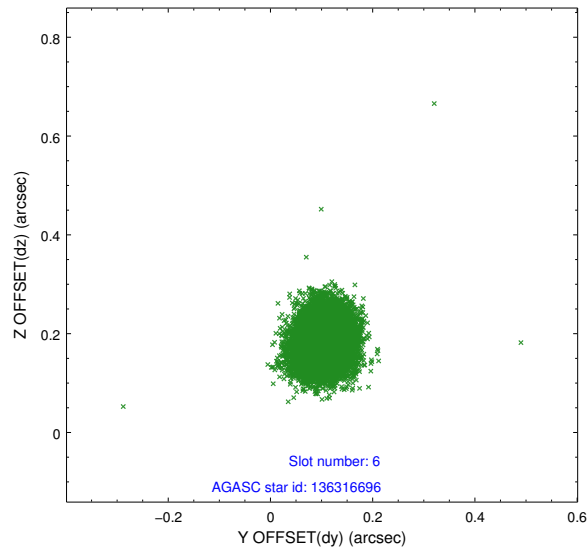
2.4.2 Slot 4



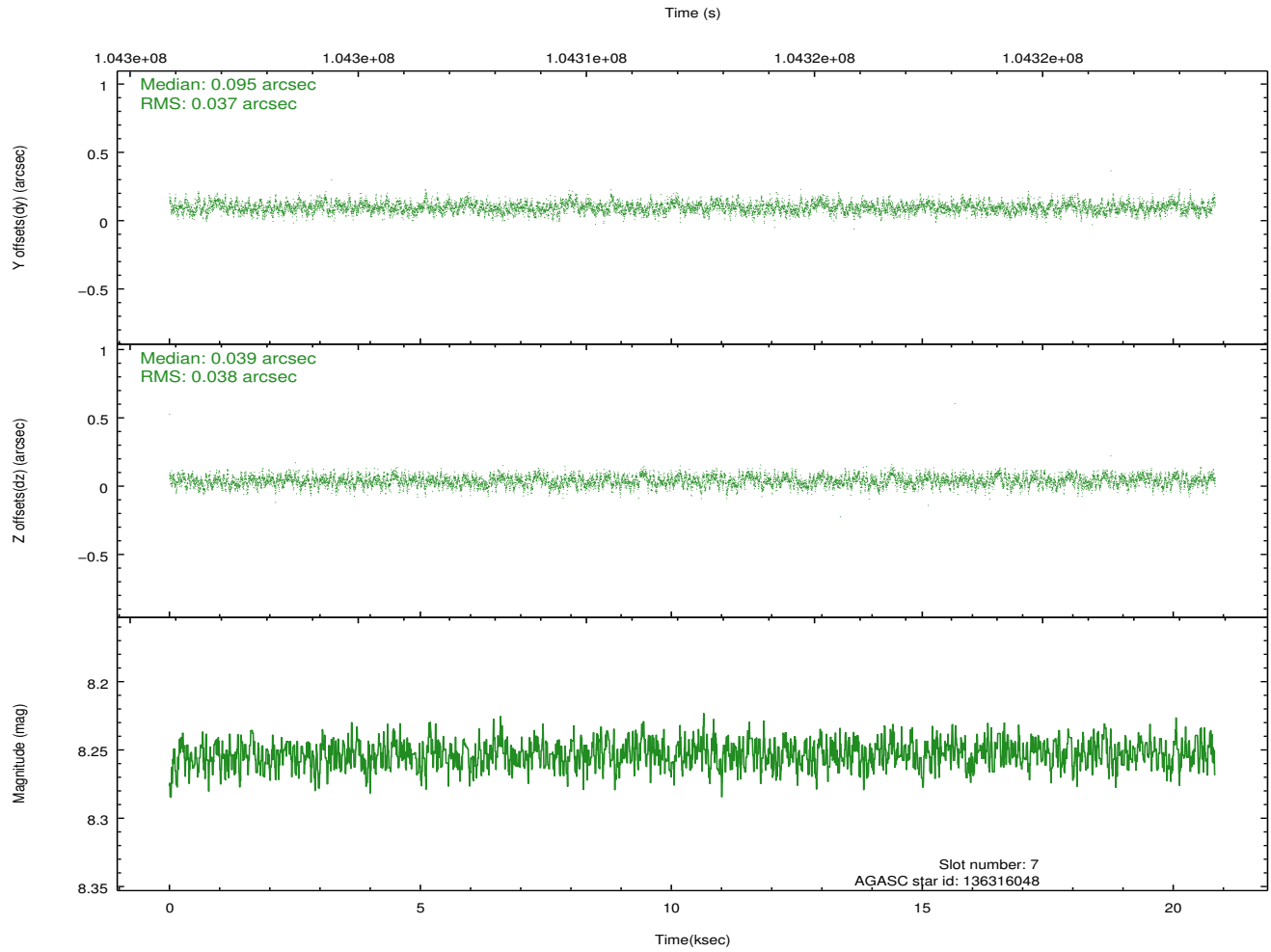
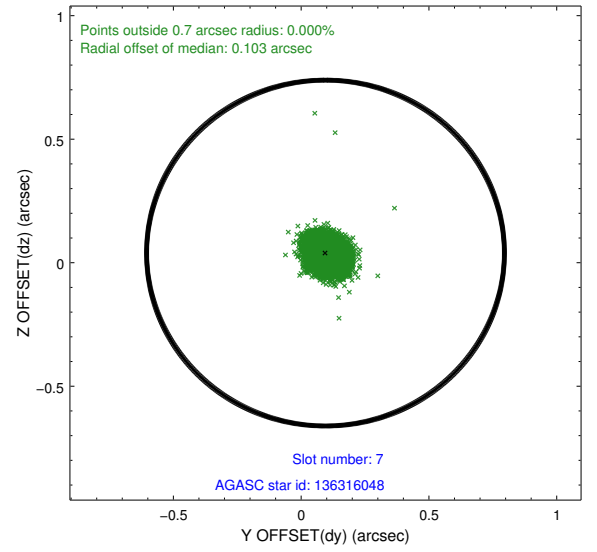
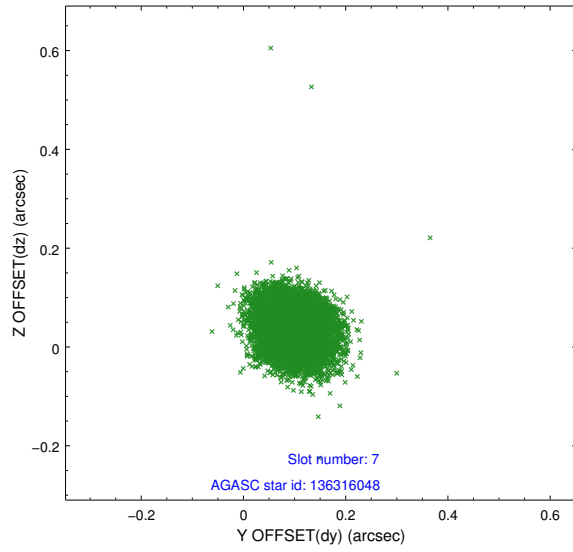
2.4.3 Slot 5



2.4.4 Slot 6

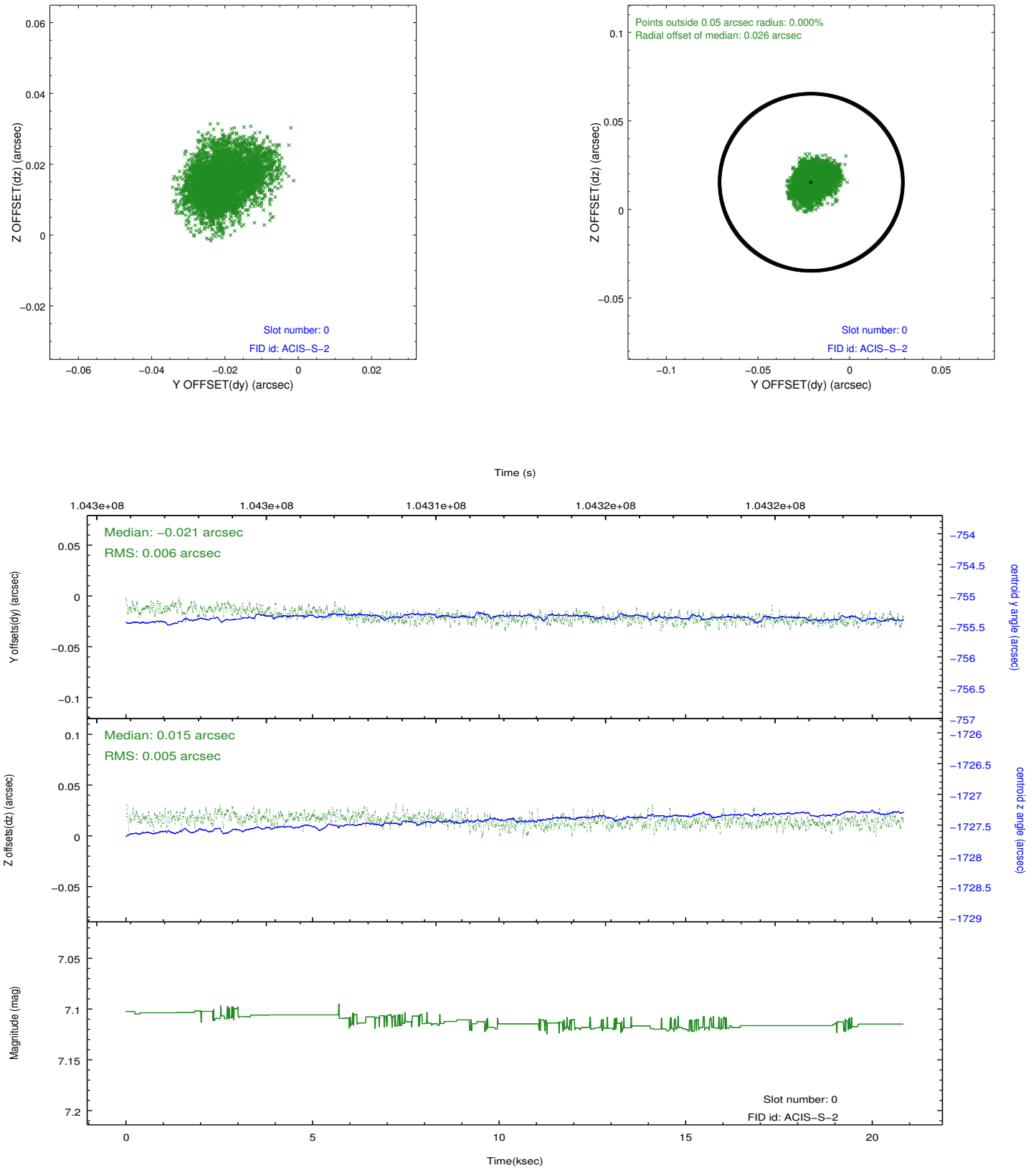


2.4.5 Slot 7

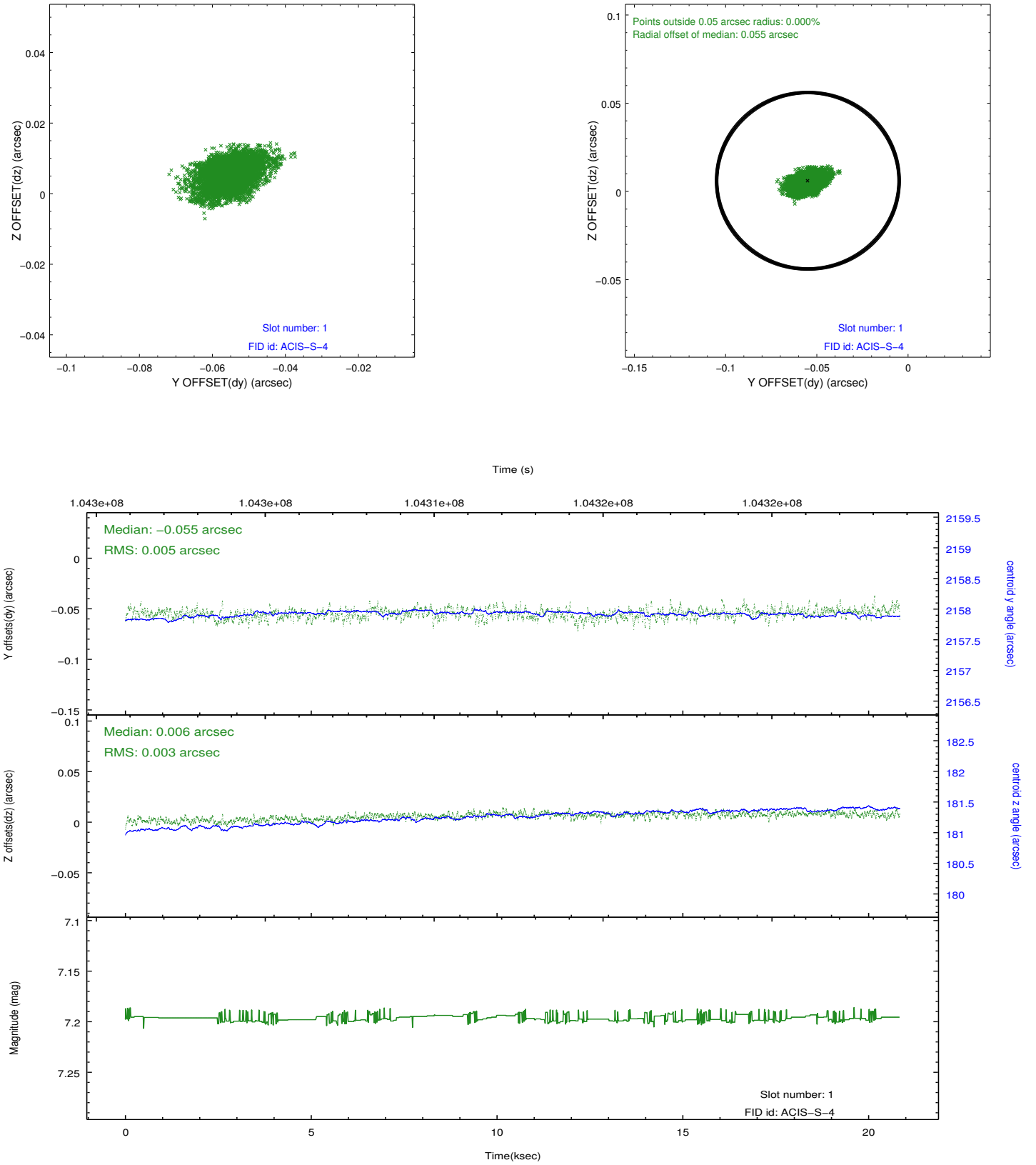


2.5 FID Slots

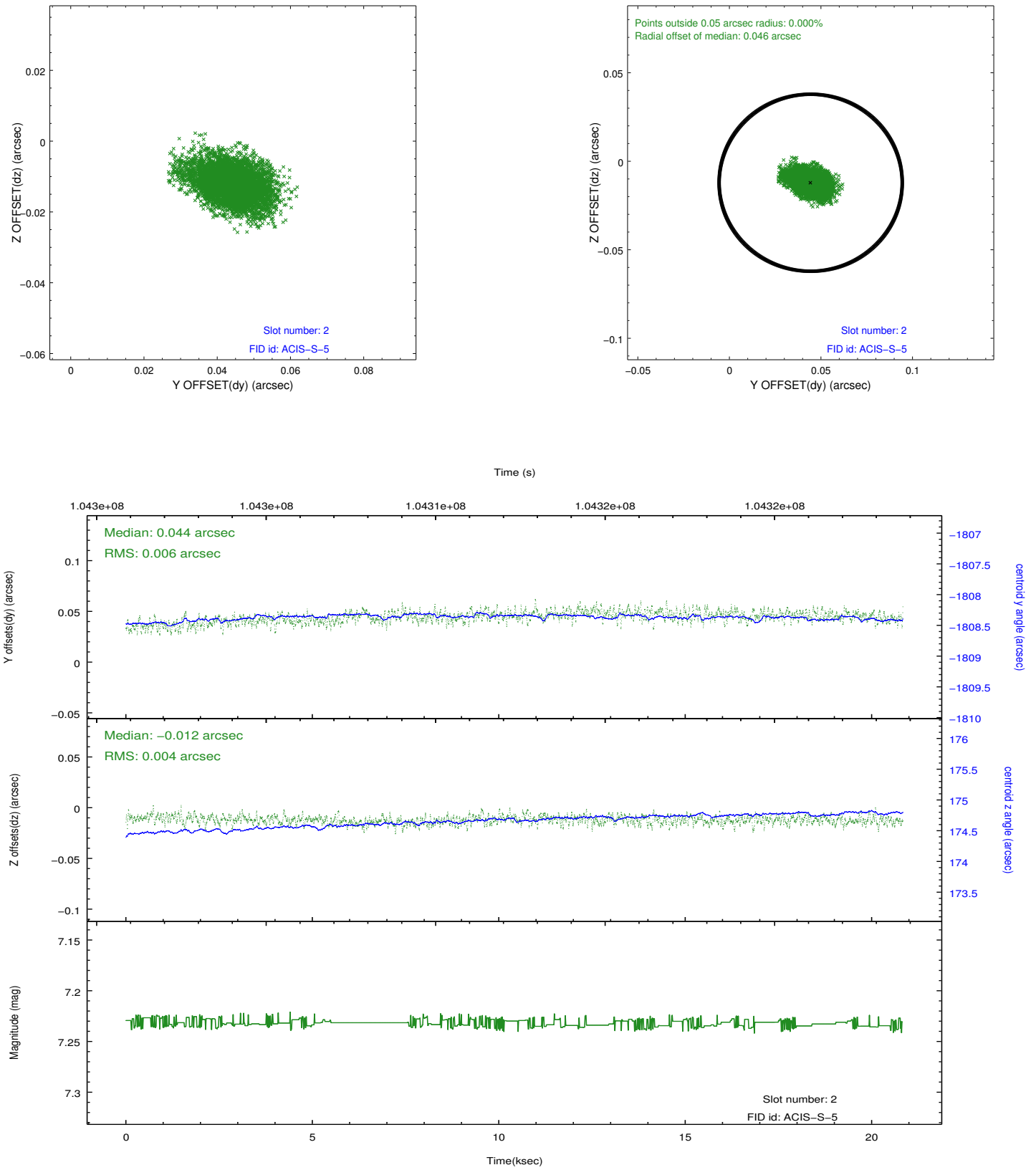
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.09.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.835

A.2 Comments