

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11123 - L2 Version 2
Chandra X-Ray Center

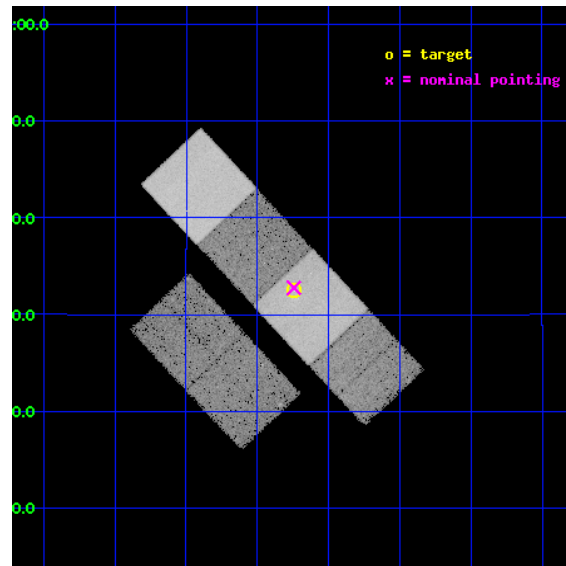
L2 Processing Date : Jun 18 2012

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1 Front

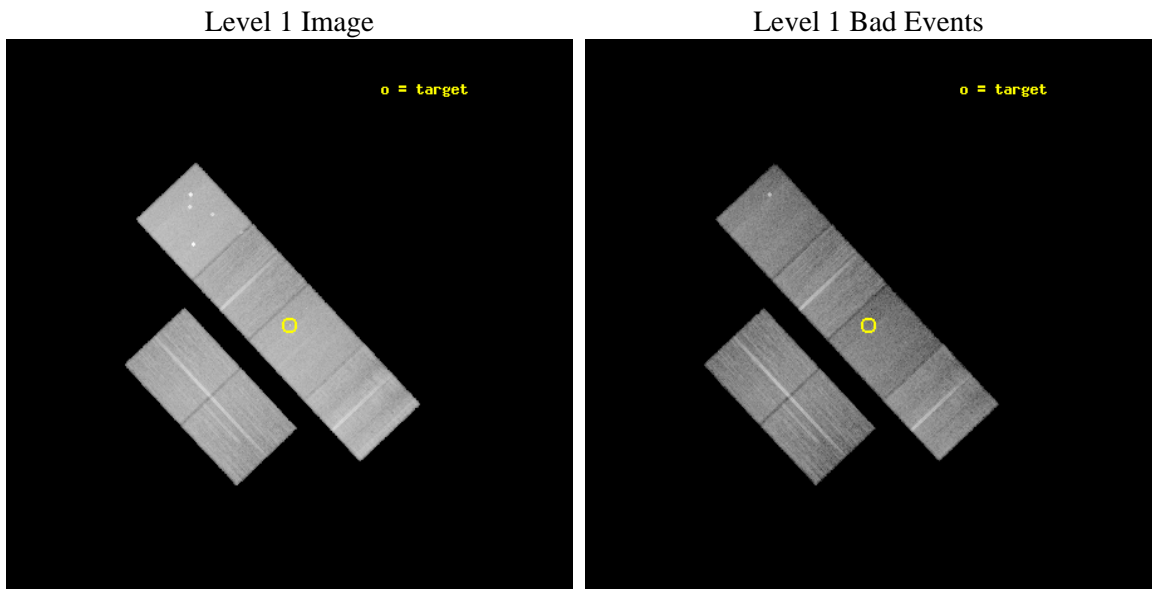
seq_num	501208	Sequence number
obs_id	11123	Observation id
title	A Search for X-Rays From Pulsars Discovered by Fermi	Proposal titl
observer	Dr. Mallory Roberts	Principal investigator
object	PSR J0633+06	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	98.434792	Observer's specified target RA [deg]
dec_targ	6.541306	Observer's specified target Dec [deg]
ra_nom	98.435778802299	Nominal RA [deg]
dec_nom	6.5460414971786	Nominal Dec [deg]
roll_nom	46.813326204299	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20172.79992491	Sum of GTIs [s]
livetime	19917.359785659	Livetime [s]
ontime2	20172.79992491	Sum of GTIs [s]
ontime3	20172.79992491	Sum of GTIs [s]
ontime5	20172.79992491	Sum of GTIs [s]
ontime6	20172.79992491	Sum of GTIs [s]
ontime7	20172.79992491	Sum of GTIs [s]
ontime8	20169.558914661	Sum of GTIs [s]
l2events	284243	Number of level 2 events



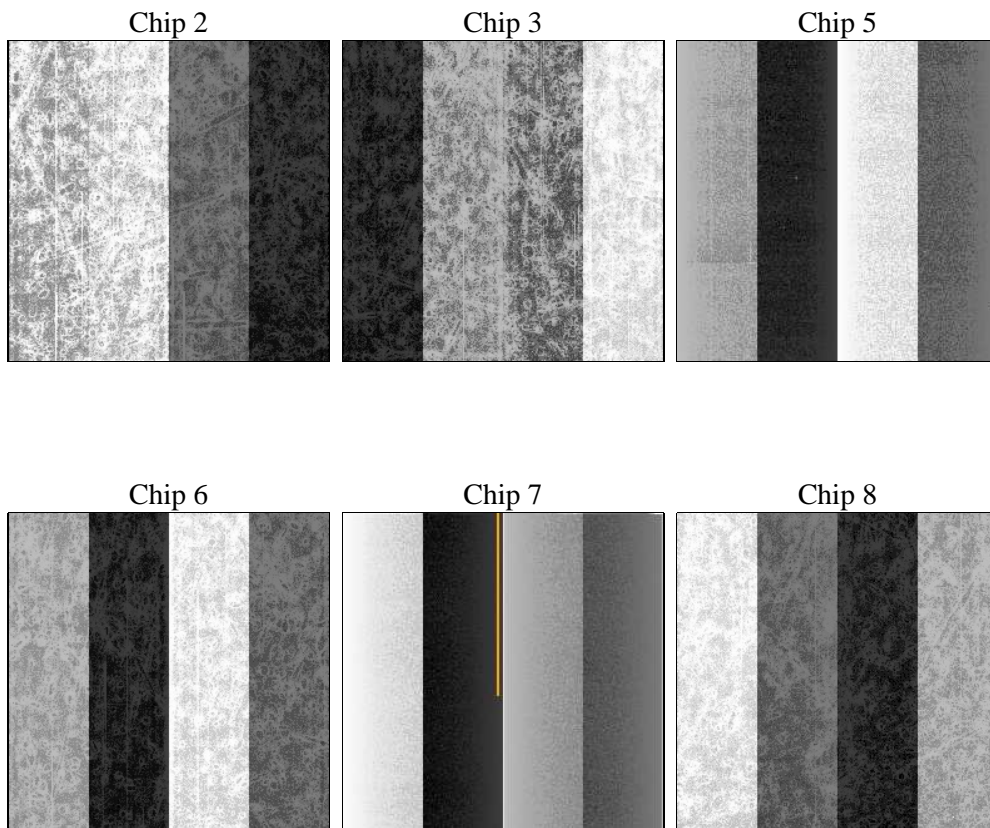
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	19999.968000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	20172.79992491	Sum of GTIs [s]
caldsver	4.4.10	 	ontime2	20172.79992491	Sum of GTIs [s]
date	2012-06-18T06:41:28	Date and time of file creation	ontime3	20172.79992491	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	20172.79992491	Sum of GTIs [s]
			ontime6	20172.79992491	Sum of GTIs [s]
			ontime7	20172.79992491	Sum of GTIs [s]
			ontime8	20169.558914661	Sum of GTIs [s]
			l1events	1298117	Number of level 1 events

2.1.4 Events

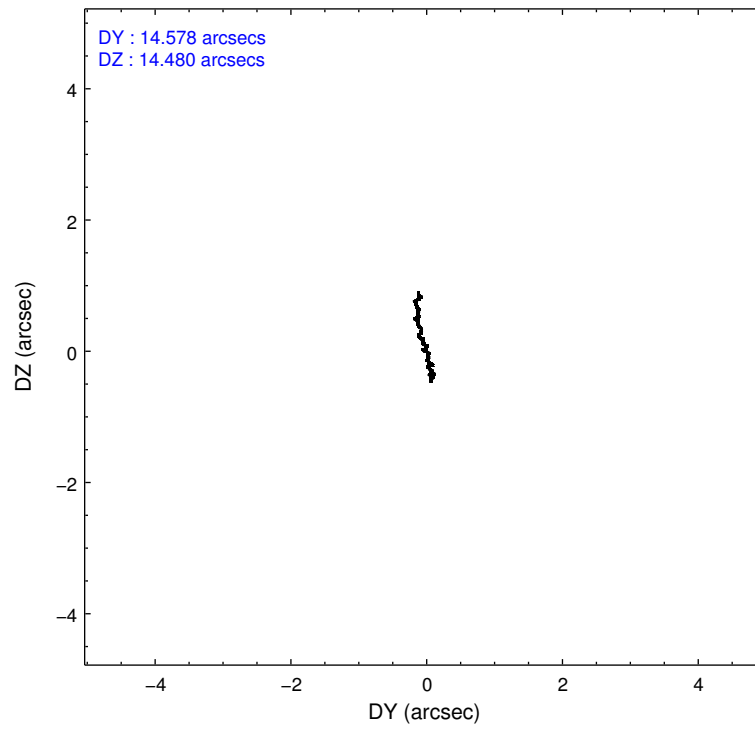
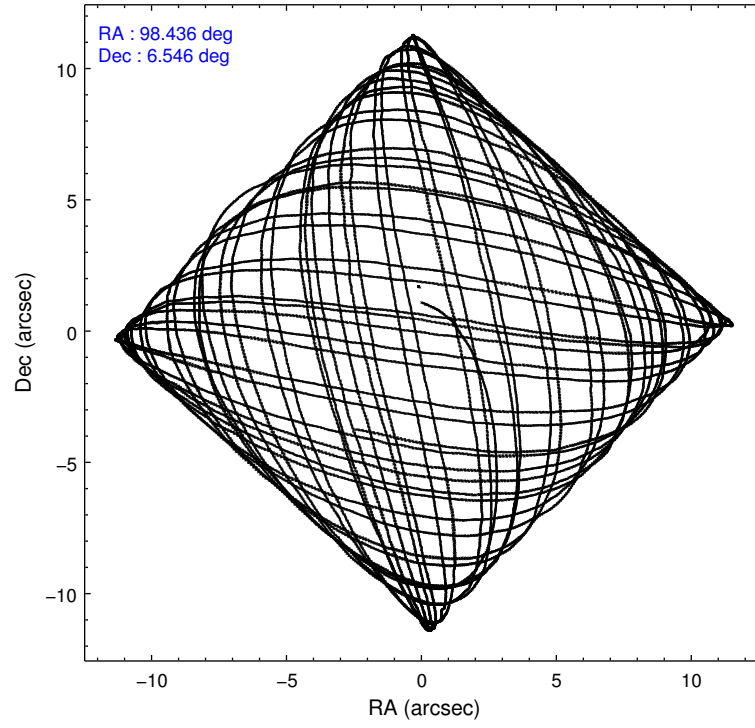
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	198669	177289	273628	188146	218636	241749	grade 0 events	7080	6769	17545	7816	10305	18415
rejected events	180038	159901	140536	168096	120188	182045		3%	3%	6%	4%	4%	7%
rejected %	90%	90%	51%	89%	54%	75%	grade 1 events	109	113	543	111	285	193
								0%	0%	0%	0%	0%	0%
							grade 2 events	4725	3939	41387	4554	21230	14626
								2%	2%	15%	2%	9%	6%
							grade 3 events	1936	2030	5282	2067	9139	6383
								0%	1%	1%	1%	4%	2%
							grade 4 events	1971	1903	5051	2071	9240	6077
								0%	1%	1%	1%	4%	2%
							grade 5 events	6647	7373	20794	7778	22528	11163
								3%	4%	7%	4%	10%	4%
							grade 6 events	3698	3429	69432	4342	52406	16825
								1%	1%	25%	2%	23%	6%
							grade 7 events	172503	151733	113594	159407	93503	168067
								86%	85%	41%	84%	42%	69%

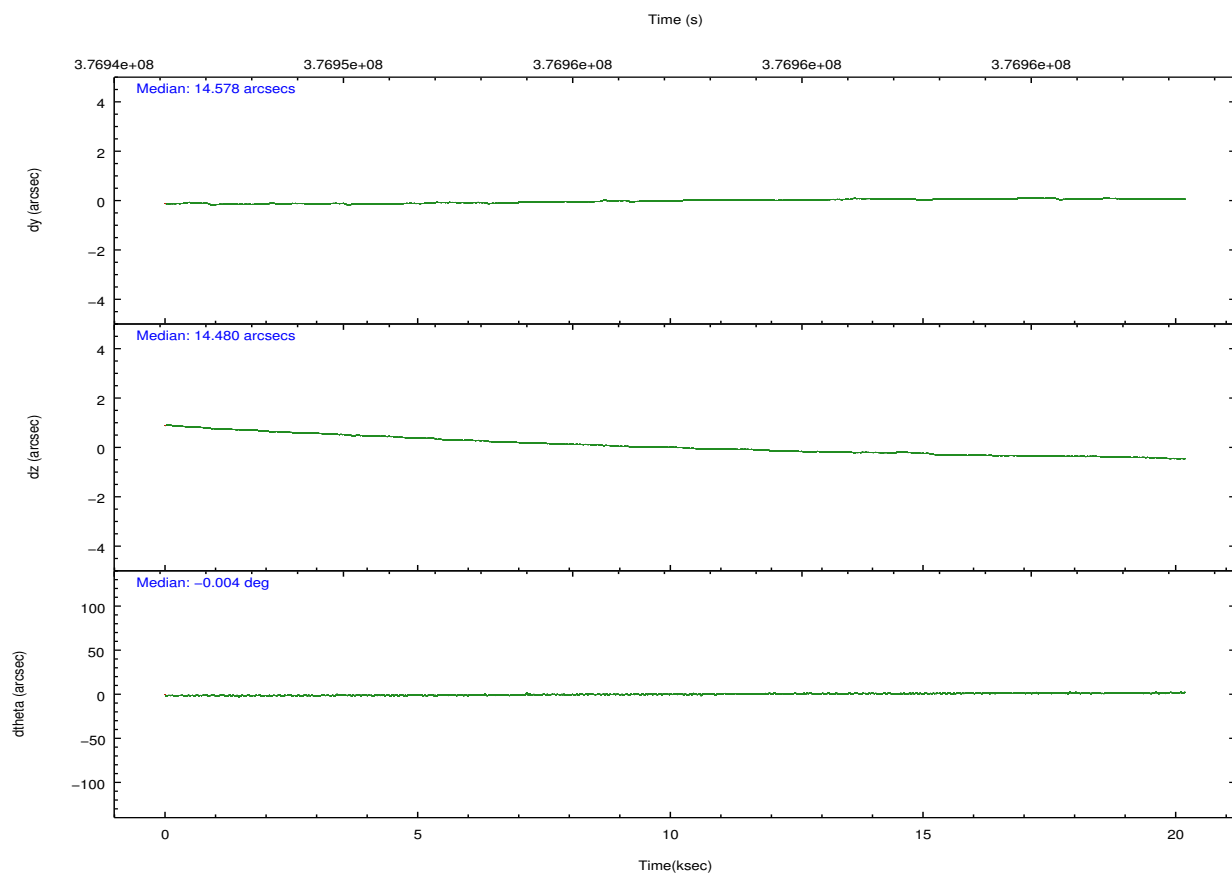
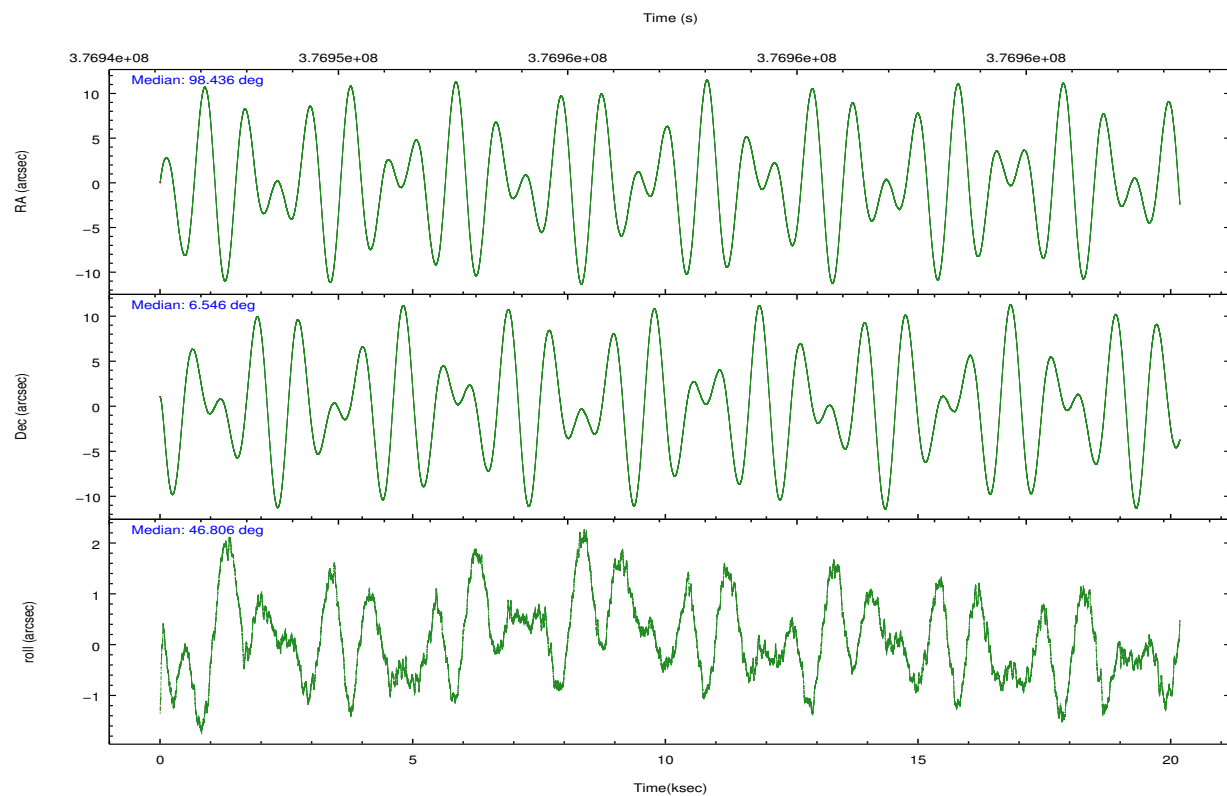
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-235678	ACIS-235678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	98.429858	98.43577880229927
[deg] Pointing Dec	6.519355	6.546041497178598
[deg] Pointing Roll	46.657378	46.81332620429939
[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)	376947319.184000	376945768.636
Observation start date	2009-12-11T19:34:13	2009-12-11T19:09:28
[s] Observation end time (MET)	376967319.184000	376967540.6621
Observation end date	2009-12-12T01:07:33	2009-12-12T01:12:20
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	N	N
CCD I1 on	N	N
CCD I2 on	O3	Y
CCD I3 on	O4	Y
CCD S0 on	N	N
CCD S1 on	O5	Y
CCD S2 on	O1	Y
CCD S3 on	Y	Y
CCD S4 on	O2	Y
CCD S5 on	N	N
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



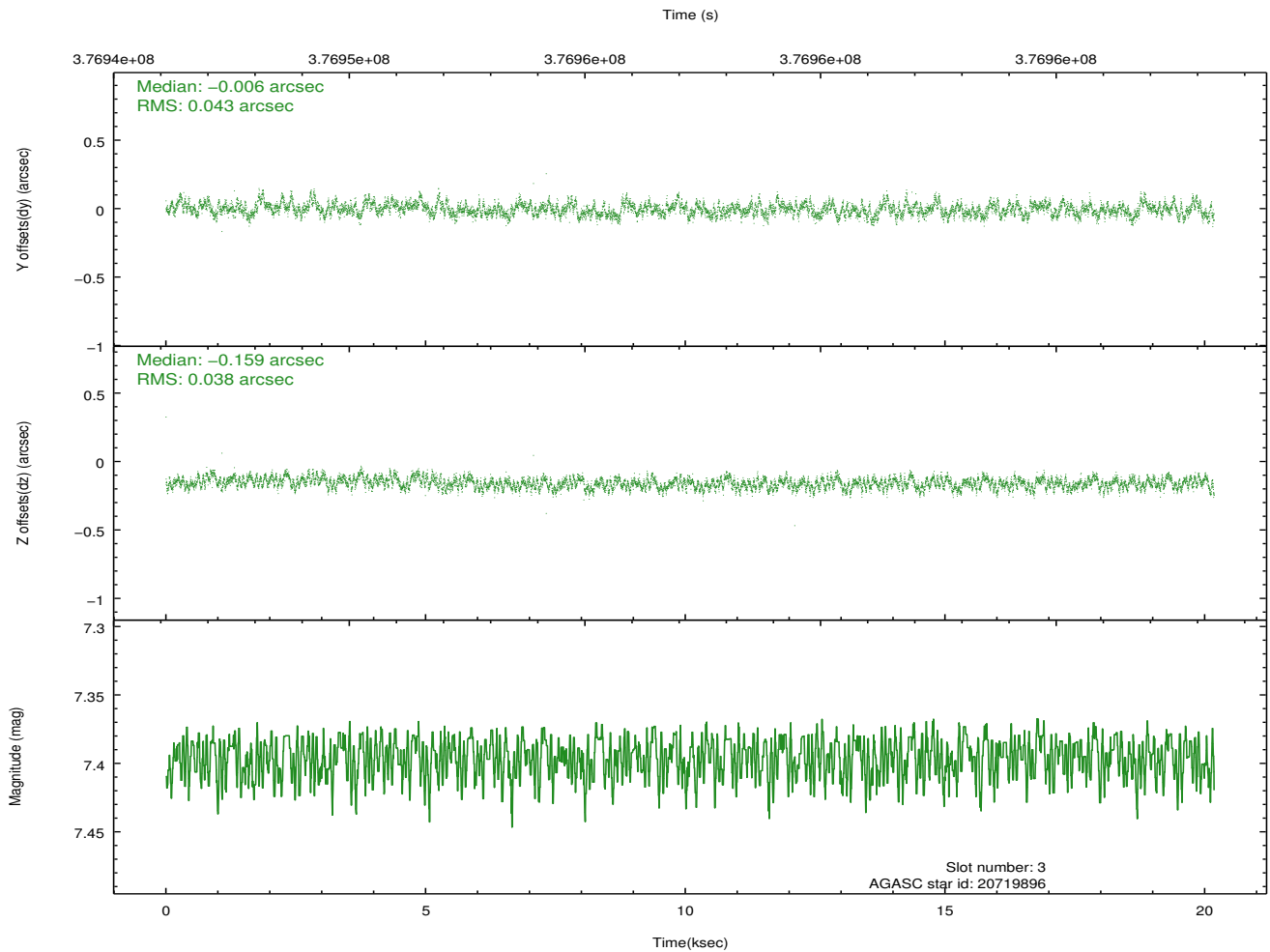
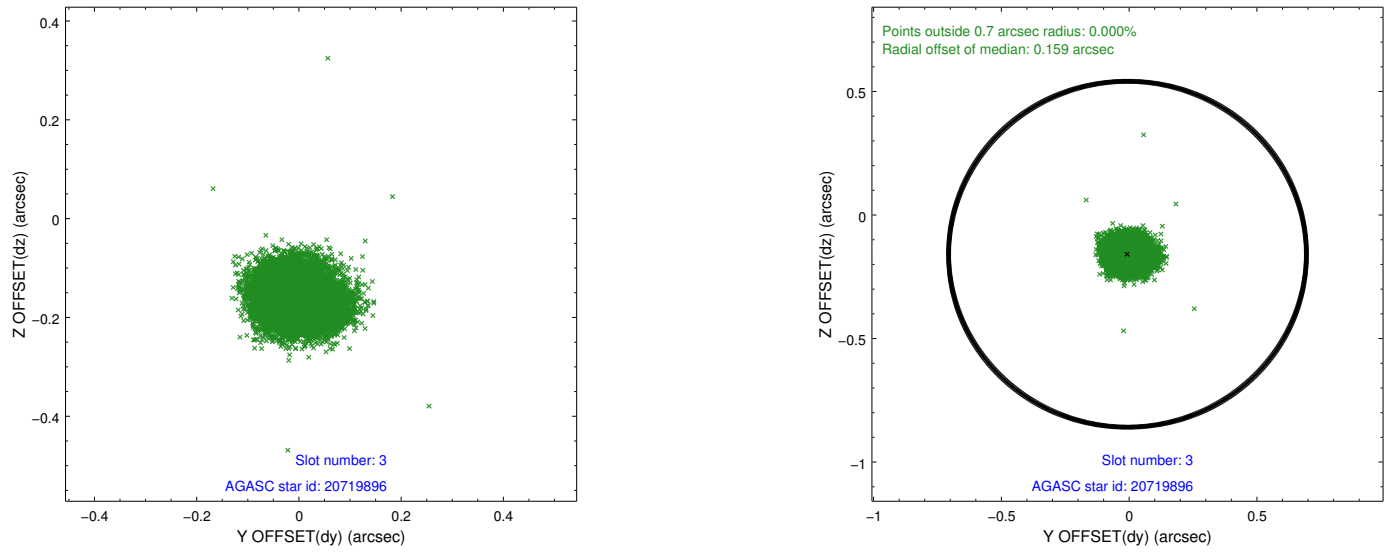


Slot Statistics

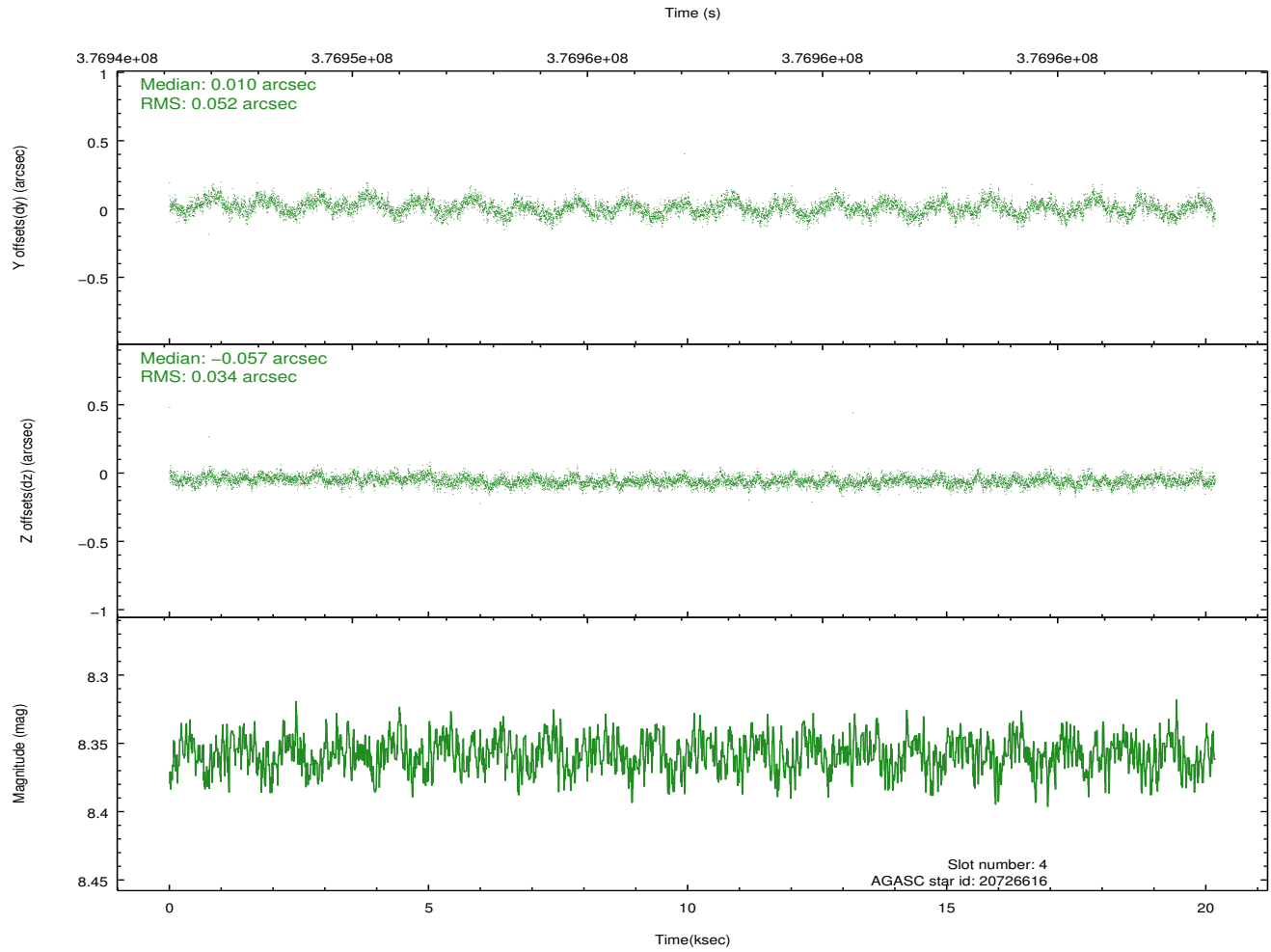
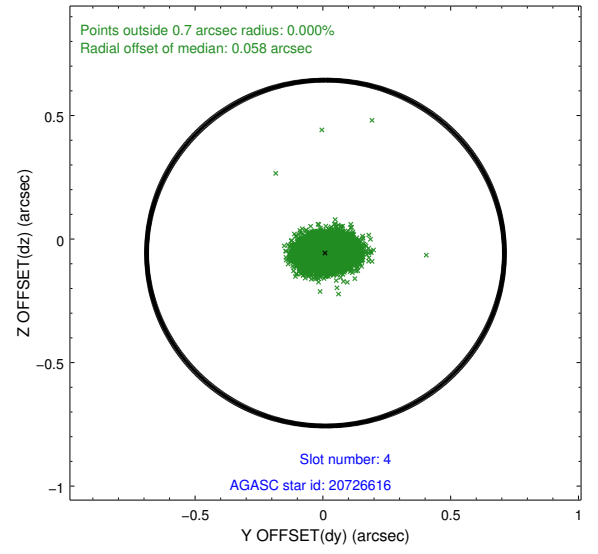
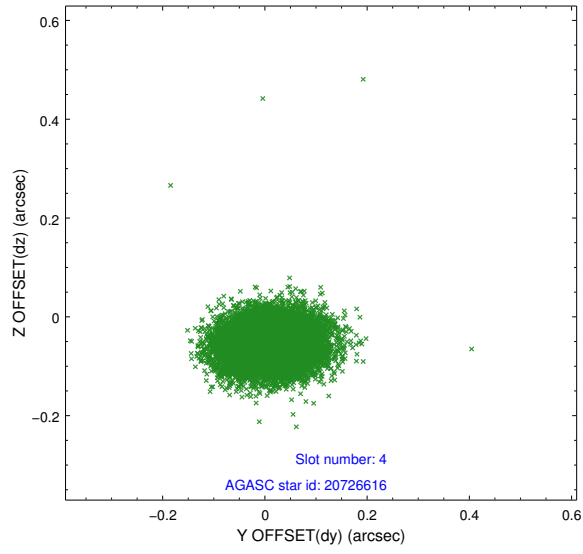
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.85	4923	-0.075	-0.032	0.008	0.013	0.000000	0.000000	-767.58	-1735.95
1	FID	ACIS-S-4	6.93	4923	0.189	0.045	0.012	0.029	0.000000	0.000000	2145.87	172.44
2	FID	ACIS-S-5	6.95	4922	-0.147	-0.004	0.012	0.021	0.000000	0.000000	-1820.27	166.24
3	GUIDE	20719896	7.40	9841	-0.006	-0.159	0.061	0.098	98.443505	7.240014	1920.31	1745.43
4	GUIDE	20726616	8.36	9839	0.010	-0.057	0.066	0.109	98.575907	7.220341	2193.71	1353.08
5	GUIDE	20710320	8.09	9842	-0.032	-0.013	0.067	0.106	97.902133	6.481556	-1393.60	1280.14
6	GUIDE	20733648	7.99	9842	0.134	-0.050	0.082	0.128	98.400457	5.661167	-2318.72	-2044.13
7	GUIDE	20715776	7.98	9841	-0.108	0.278	0.075	0.118	99.096185	6.235863	895.70	-2433.44

2.4 Star Slots

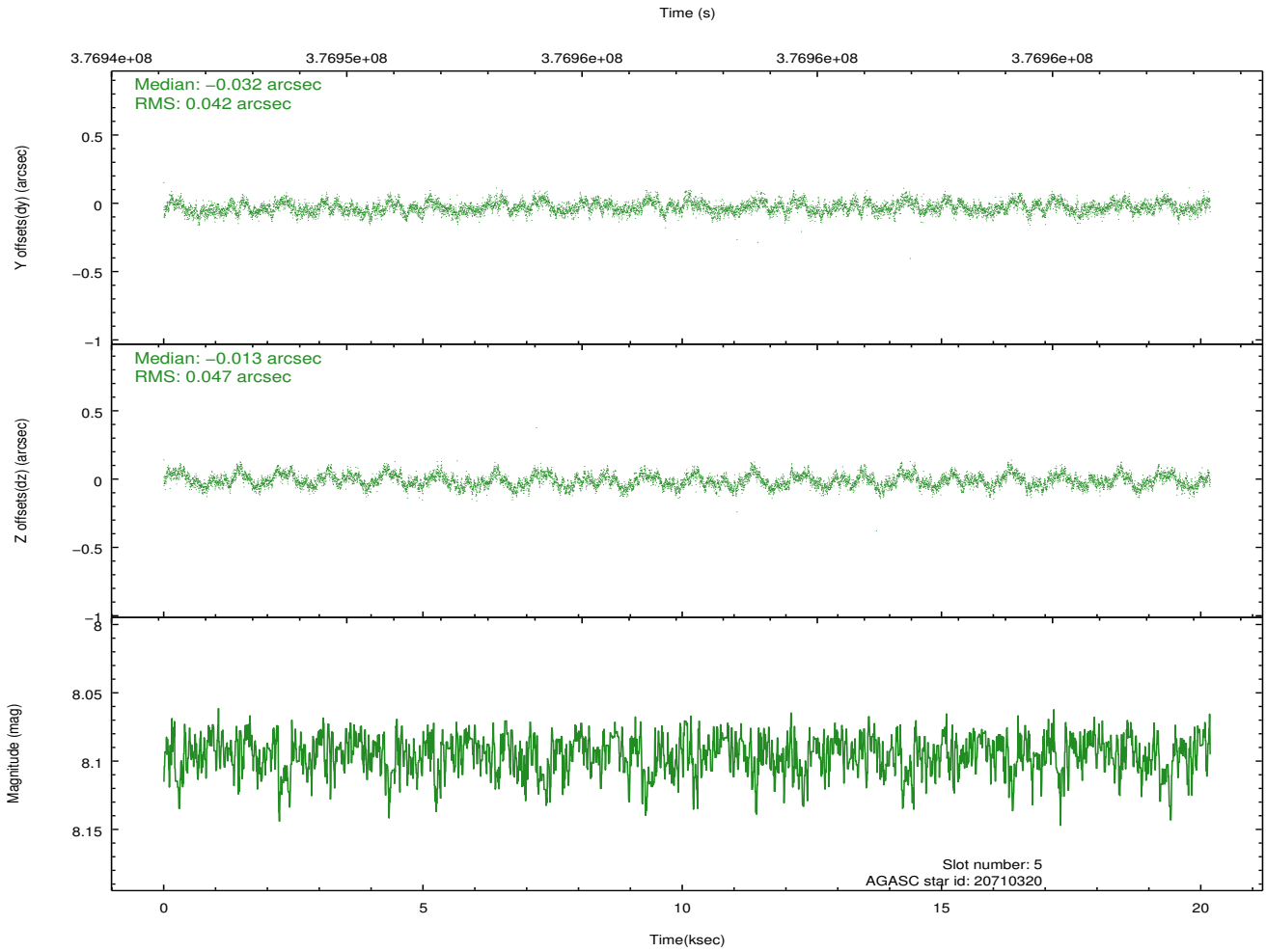
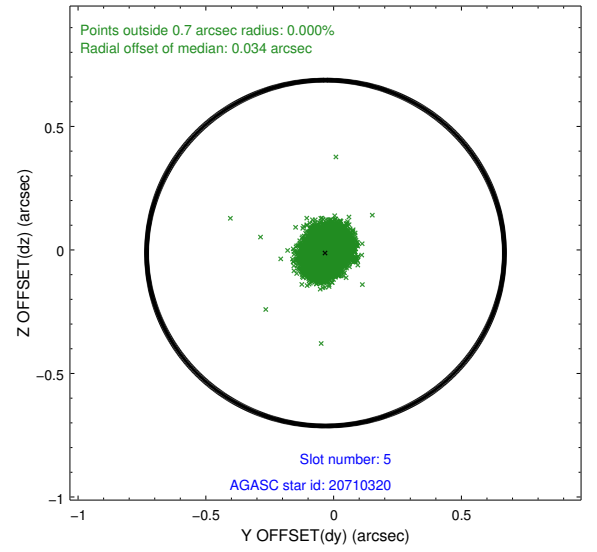
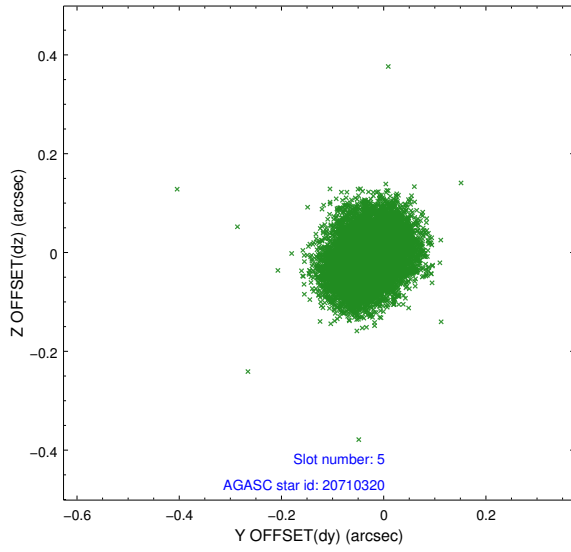
2.4.1 Slot 3



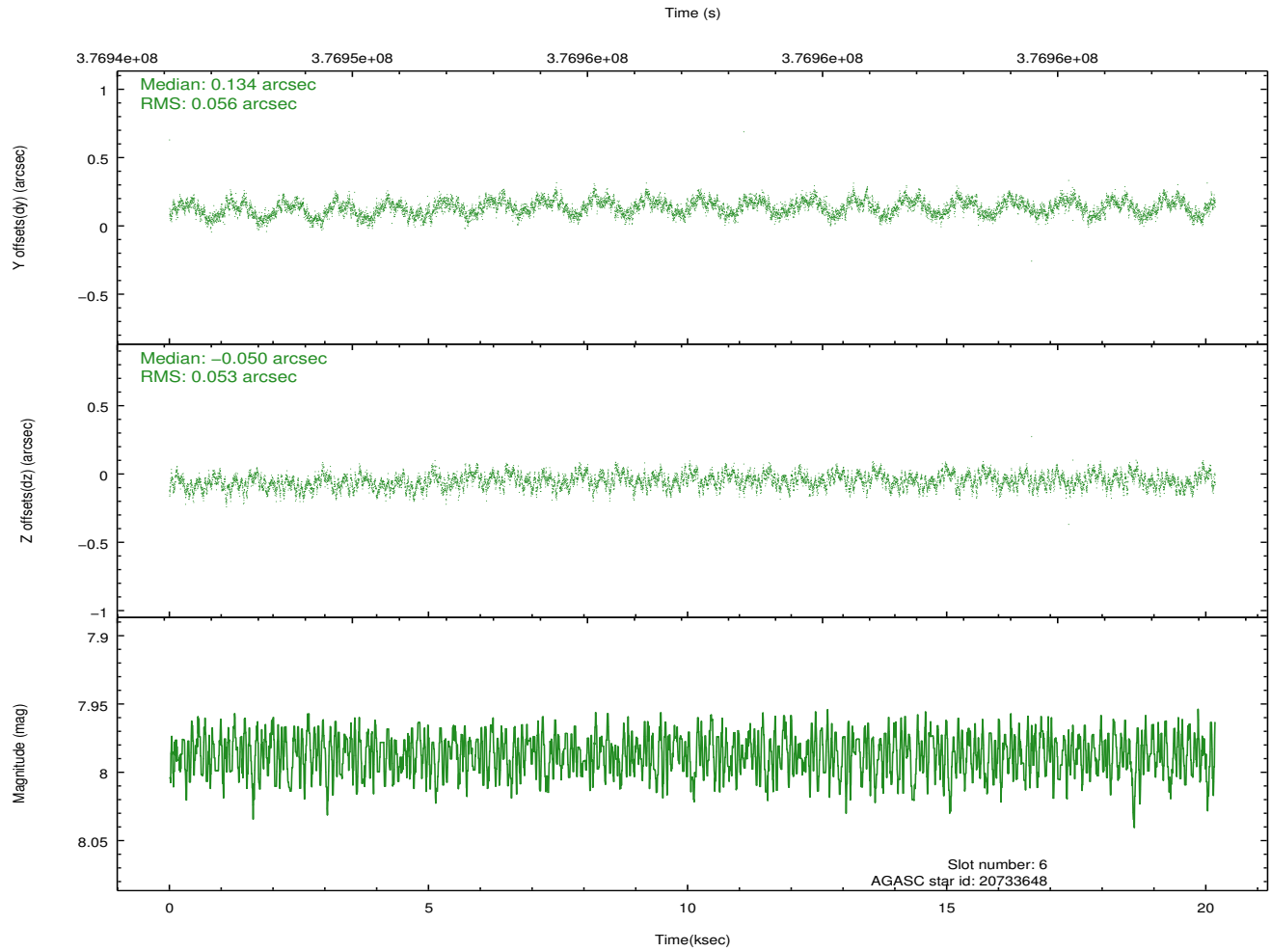
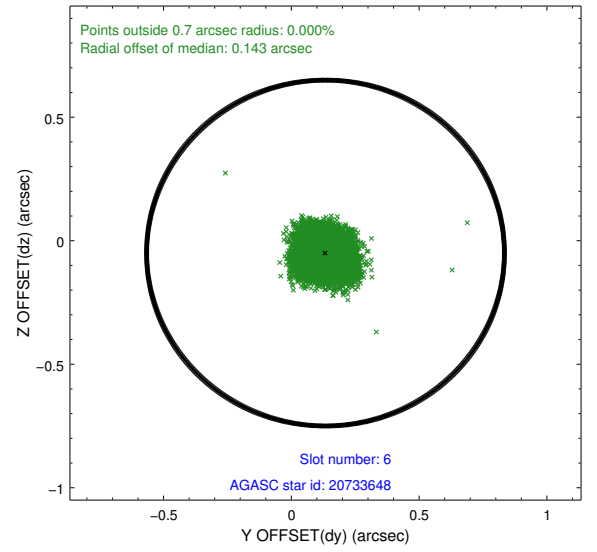
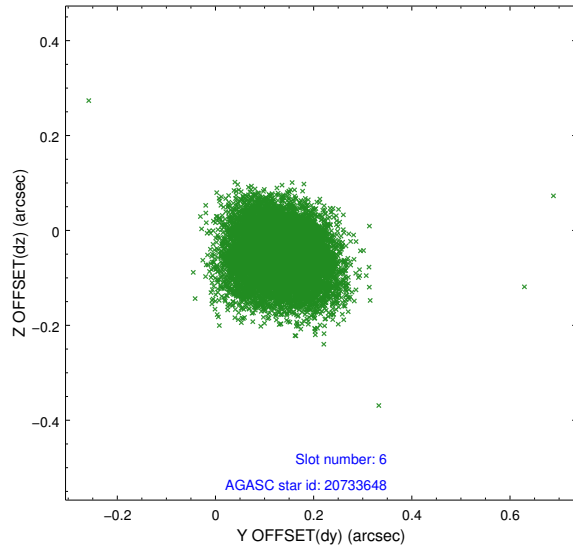
2.4.2 Slot 4



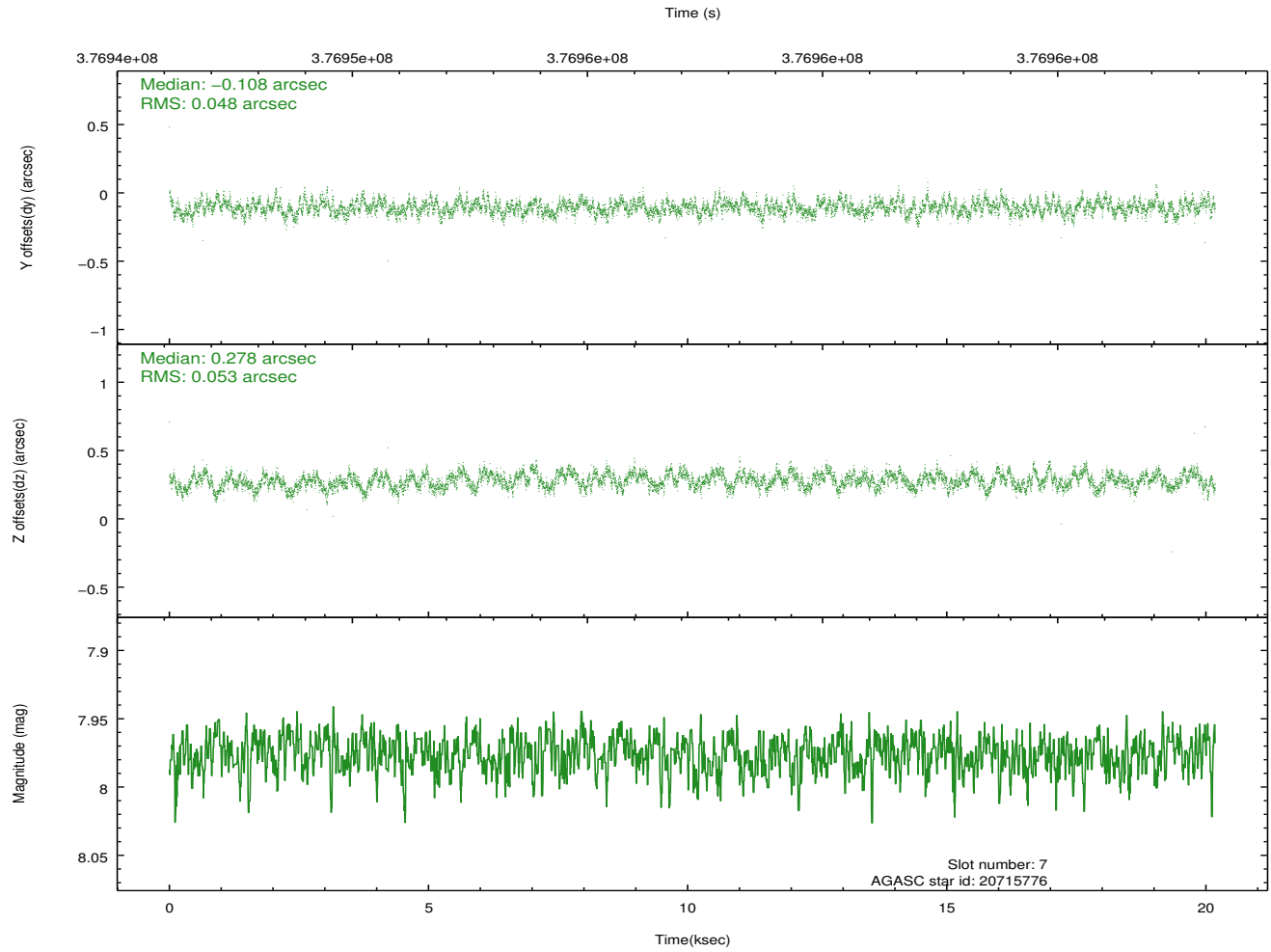
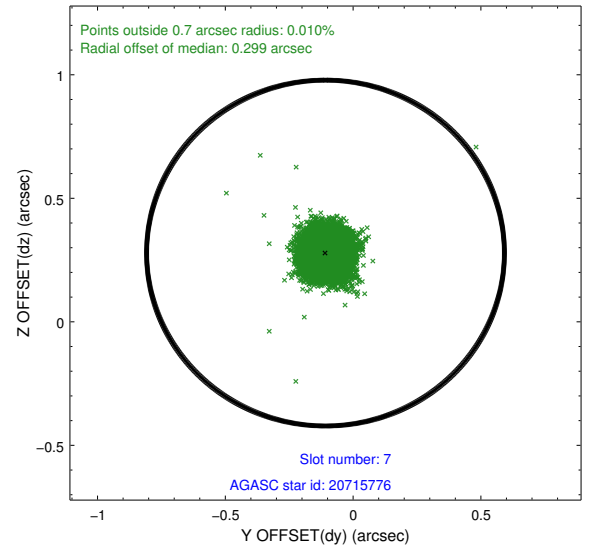
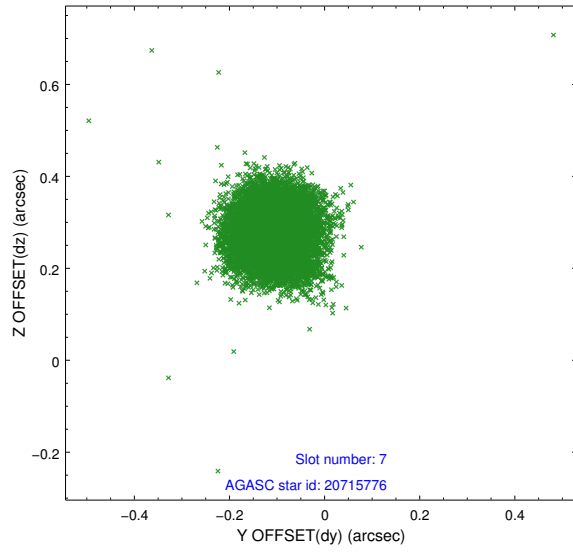
2.4.3 Slot 5



2.4.4 Slot 6

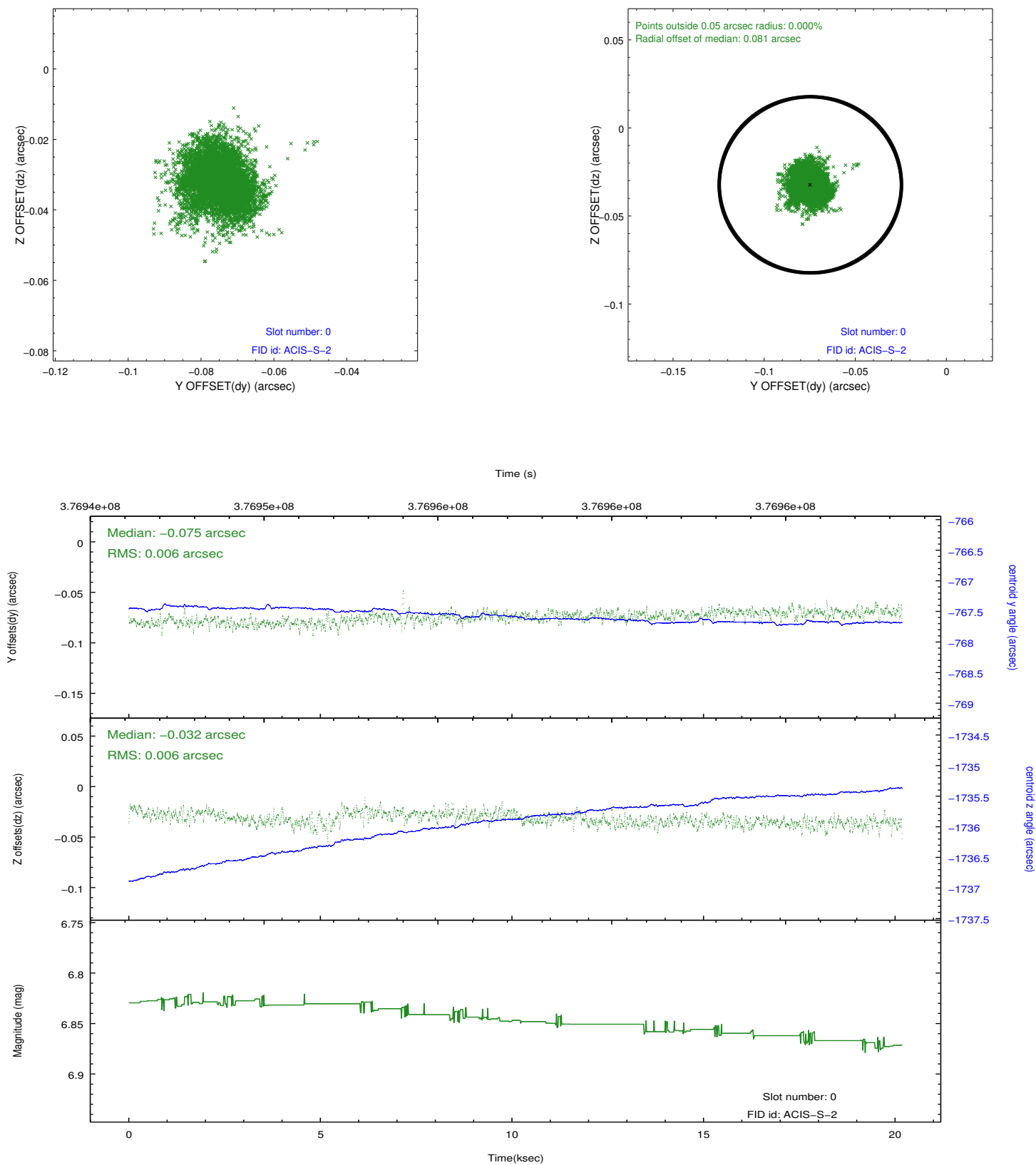


2.4.5 Slot 7

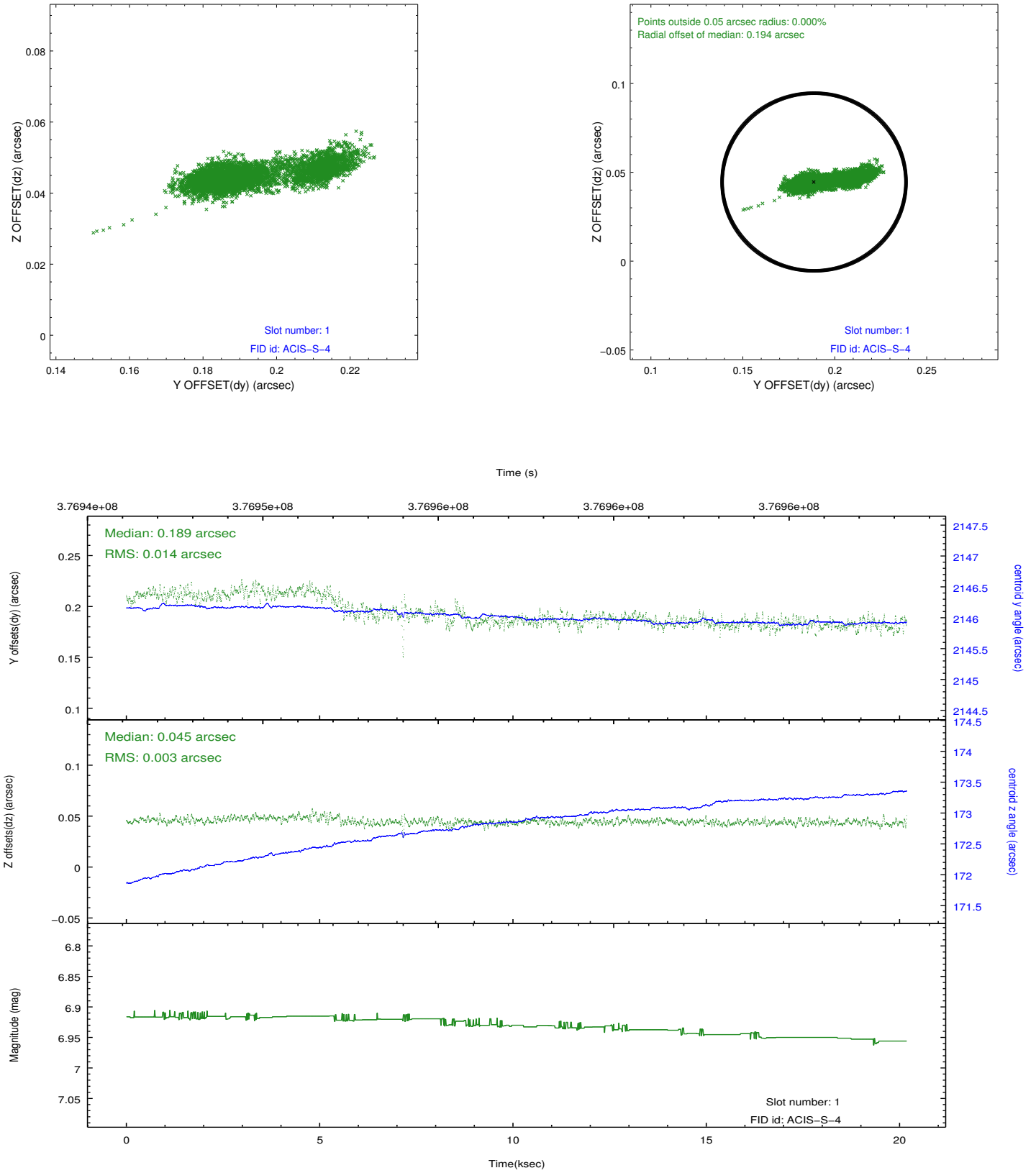


2.5 FID Slots

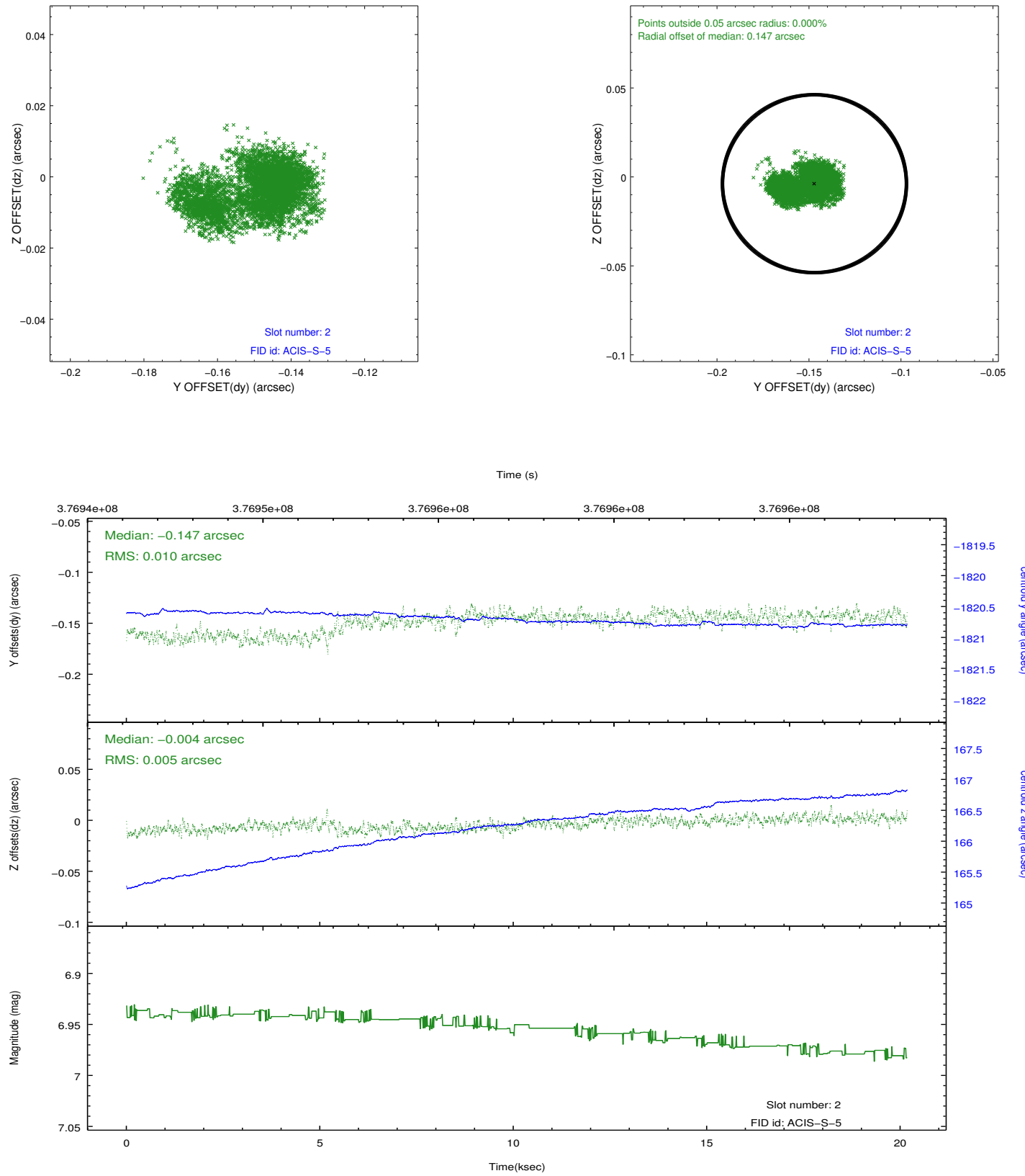
2.5.1 Slot 0



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)	2012.06.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.17279992491

A.2 Comments