

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 4644 - L2 Version 3
Chandra X-Ray Center

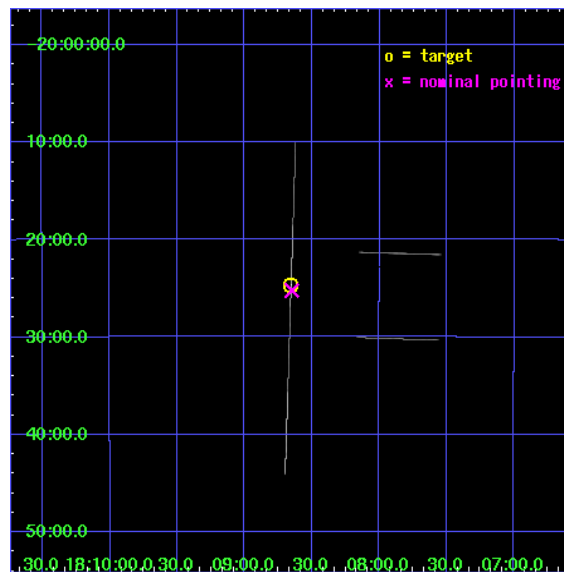
L2 Processing Date : Apr 11 2008

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1 Front

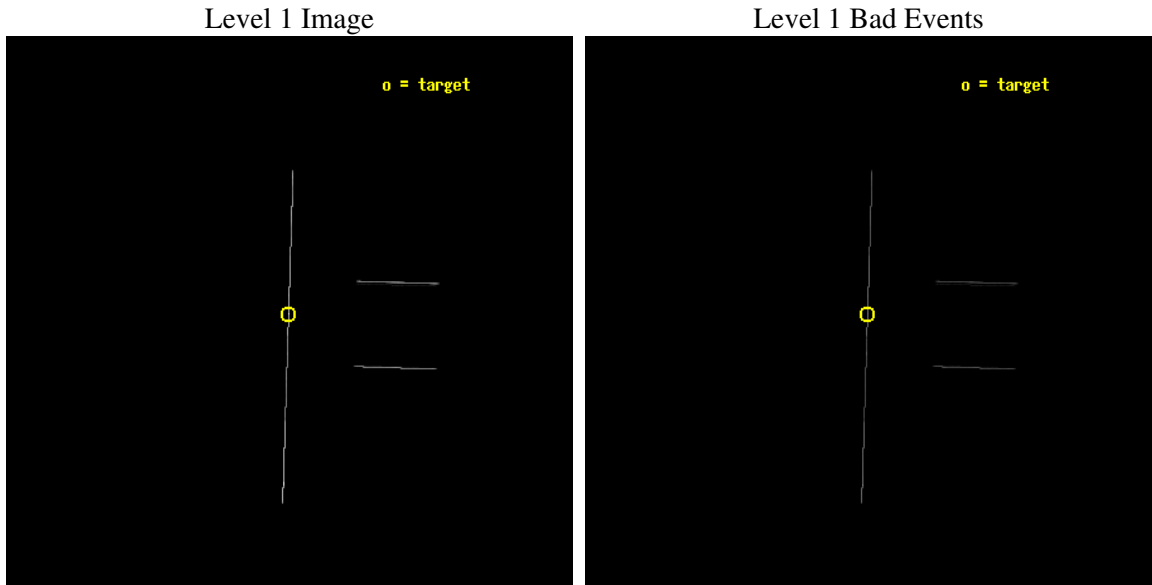
seq_num	500463
obs_id	4644
title	ToO Observations of Soft Gamma Repeaters
observer	Dr. Peter Woods
object	SGR 1806-20
ra_targ	272.16375
dec_targ	-20.410972
ra_nom	272.16225377546
dec_nom	-20.420514803
roll_nom	271.78389388787
revision	3
ontime	35160.5
livetime	35023.154296875
ontime2	35160.5
ontime3	35160.5
ontime5	35160.5
ontime6	35160.5
ontime7	35160.5
ontime8	35160.5
l2events	534563



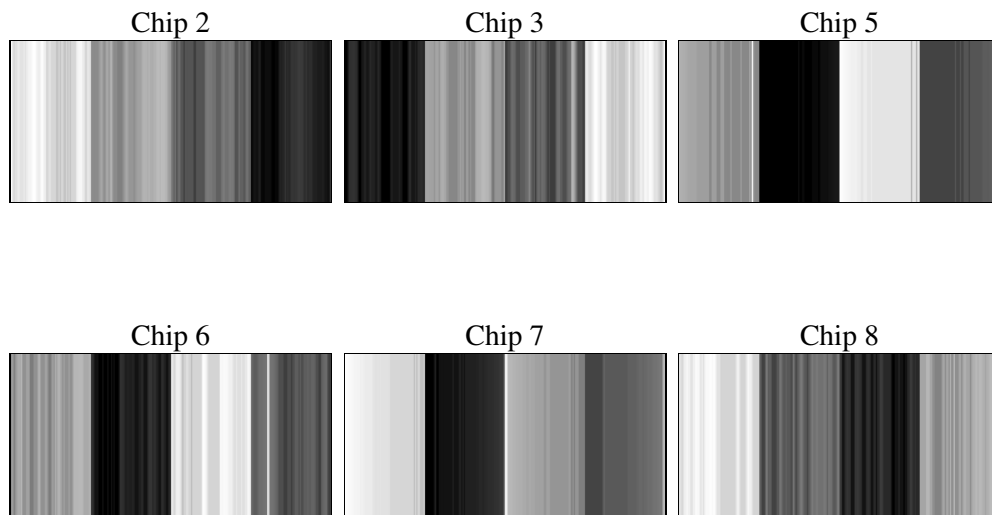
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.11.6
caldbver	3.4.4
date	2008-04-11T22:59:50
revision	3

sched_exp_time	35000.000000
ontime	35160.5
ontime2	35160.5
ontime3	35160.5
ontime5	35160.5
ontime6	35160.5
ontime7	35160.5
ontime8	35160.5
l1events	801214

2.1.4 Events

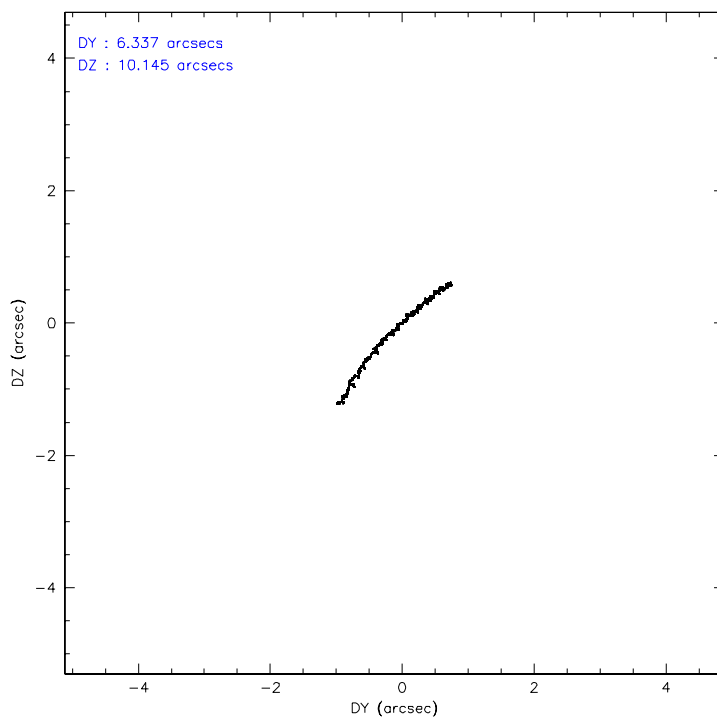
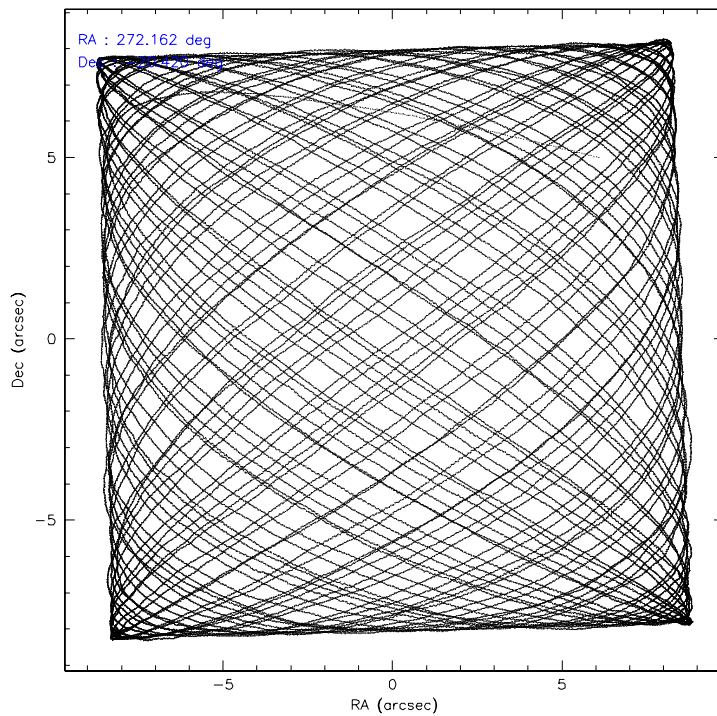
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	60002	62515	272246	64642	223781	118028
rejected events	12522	13182	32569	13994	36176	19069
rejected %	20%	21%	11%	21%	16%	16%

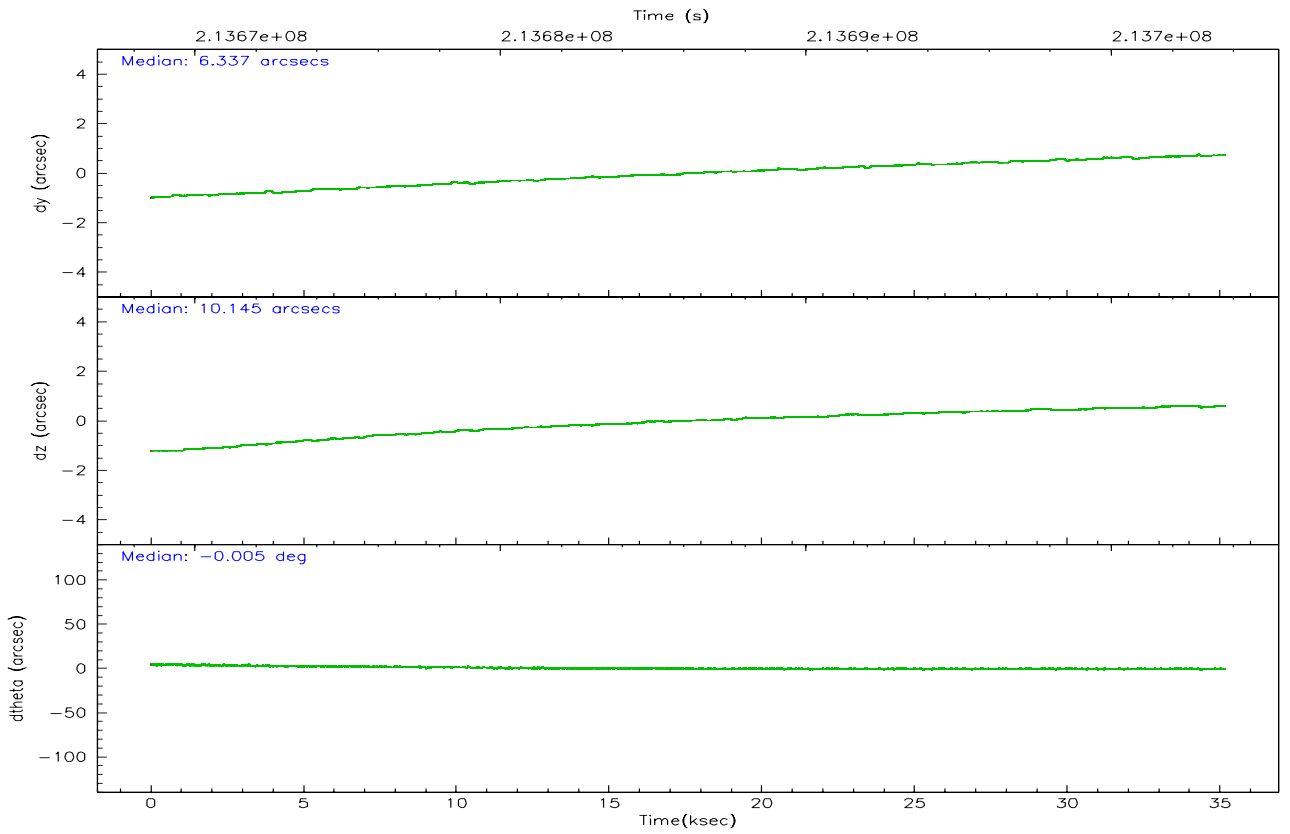
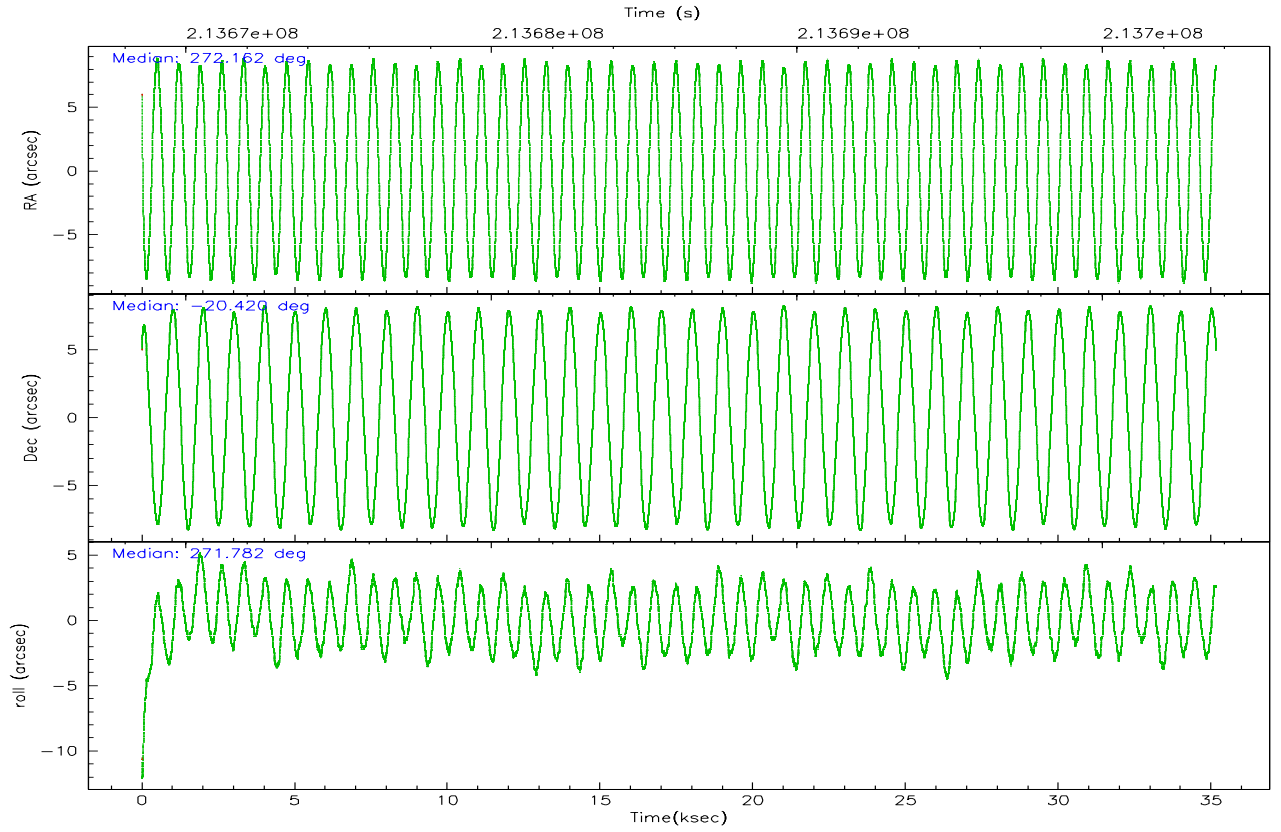
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	7784	7062	53164	6355	21086	19195
	12%	11%	19%	9%	9%	16%
grade 1 events	288	265	434	250	532	375
	0%	0%	0%	0%	0%	0%
grade 2 events	18400	19184	69689	20742	47902	32259
	30%	30%	25%	32%	21%	27%
grade 3 events	6152	7224	5578	6250	15192	11464
	10%	11%	2%	9%	6%	9%
grade 4 events	6372	6296	5290	5940	14896	11042
	10%	10%	1%	9%	6%	9%
grade 5 events	11052	11704	26240	12467	31761	16300
	18%	18%	9%	19%	14%	13%
grade 6 events	9954	10780	111851	12638	92412	27393
	16%	17%	41%	19%	41%	23%
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	6	6
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	CC33_FAINT	CC33_FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	272.146626	272.1622537754579	Alternating exposures requested	N	N
Pointing Dec	-20.397589	-20.42051480300025	Primary exposure time	0.000000	0
Pointing Roll	271.621823	271.7838938878672			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	213668732.184000	213667684.46119			
Observation start date	2004-10-09T00:24:28	2004-10-09T00:08:04			
Observation end time	213703732.184000	213704493.23783			
Observation end date	2004-10-09T10:07:48	2004-10-09T10:21:33			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



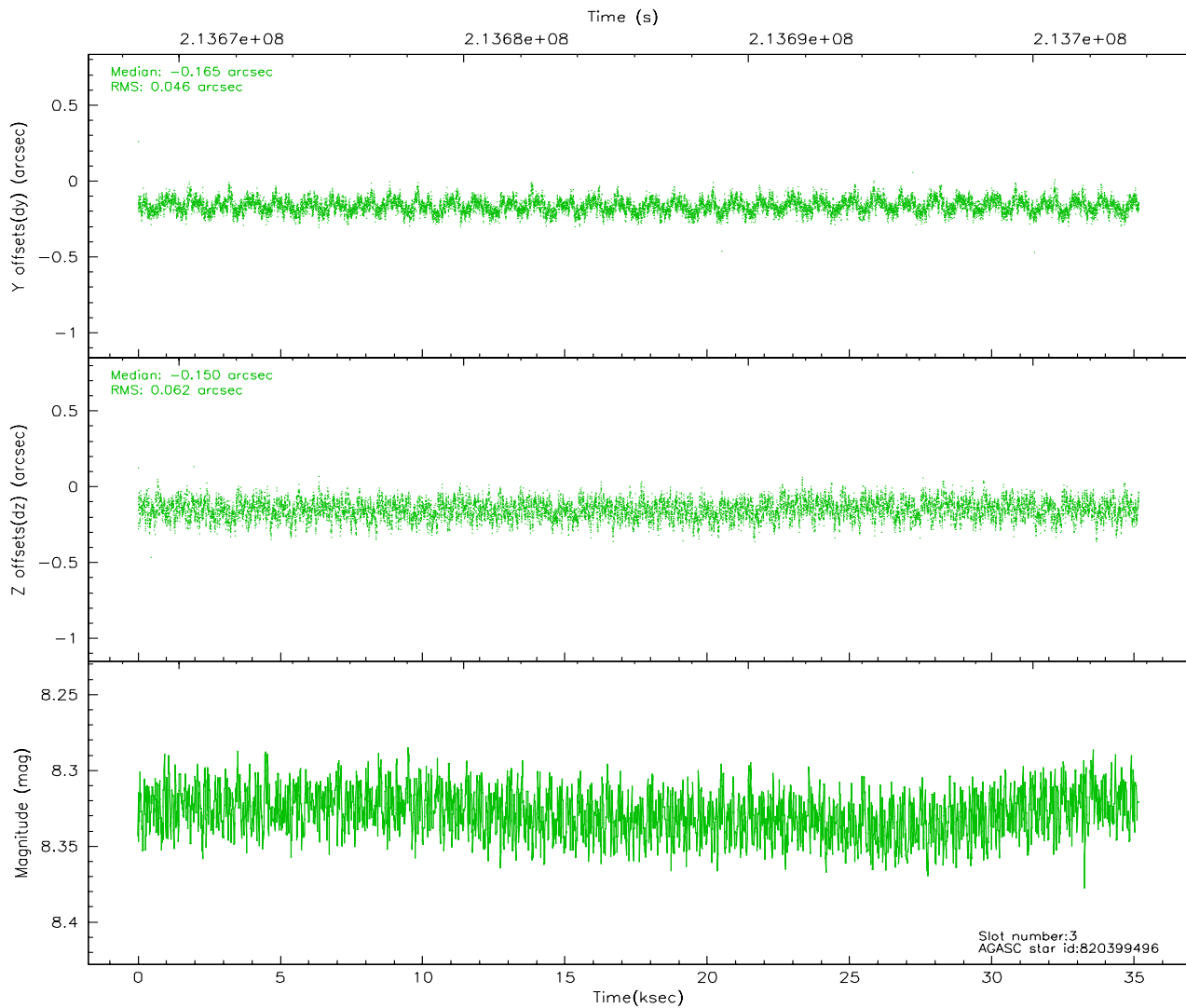
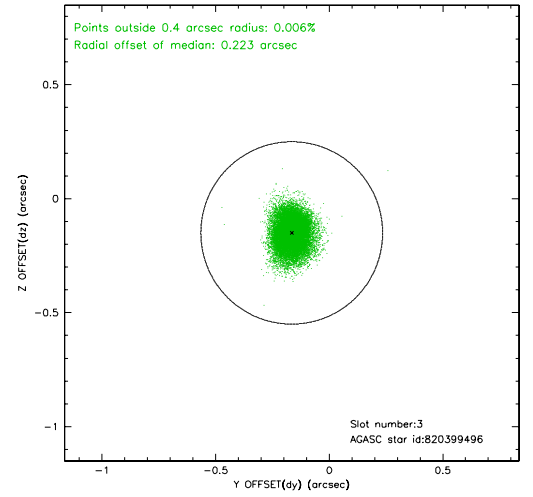
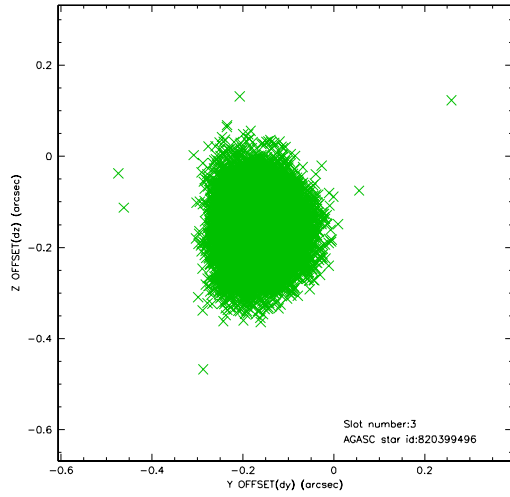


Slot Statistics

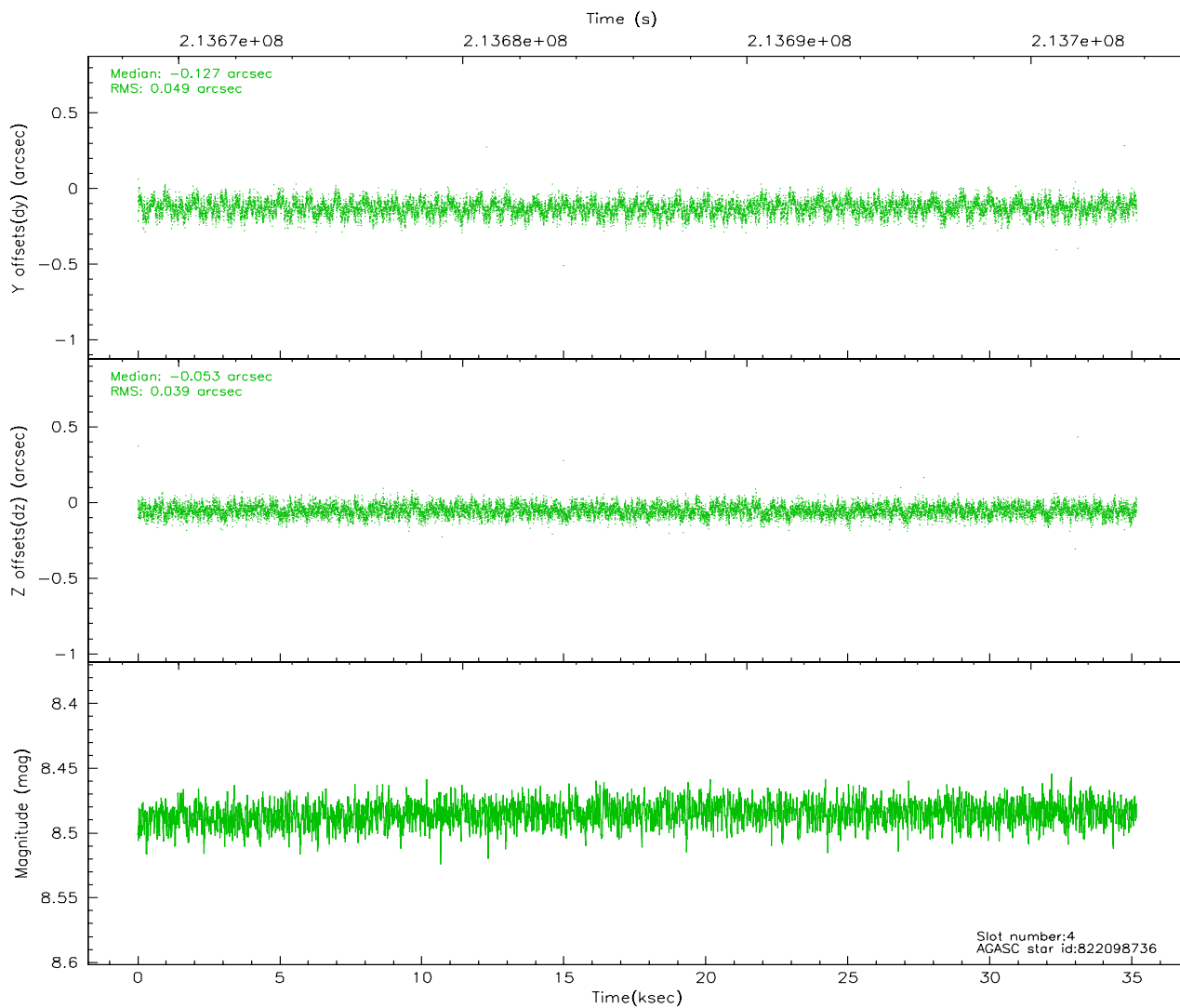
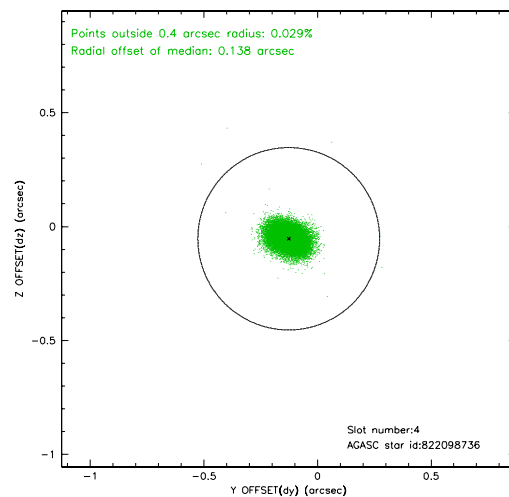
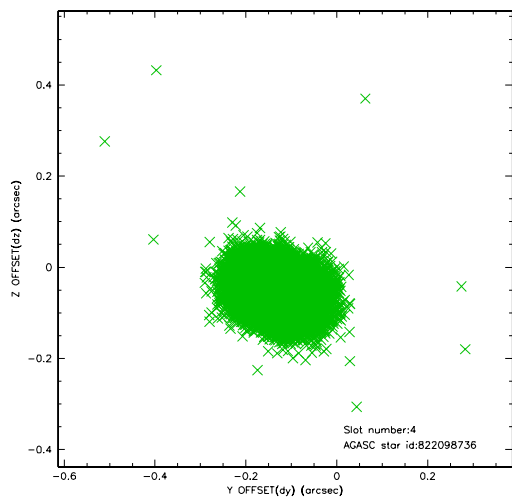
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	8578	-0.007	-0.004	0.030	0.044	0.000000	0.000000	937.00	-1726.92
1	FID	ACIS-S-5	7.23	8577	-0.032	-0.002	0.019	0.026	0.000000	0.000000	-1811.98	170.62
2	FID	ACIS-S-6	7.35	8578	0.017	0.020	0.033	0.052	0.000000	0.000000	402.55	814.62
3	GUIDE	820399496	8.33	17152	-0.165	-0.150	0.081	0.132	271.495152	-19.953854	-1654.72	-2158.61
4	GUIDE	822098736	8.48	17149	-0.127	-0.053	0.066	0.107	272.269355	-19.875225	-1867.76	468.54
5	GUIDE	822616024	8.43	17150	0.207	-0.007	0.053	0.086	272.218514	-20.919122	1884.20	188.95
6	GUIDE	822617304	8.97	17140	0.173	0.124	0.072	0.120	272.421826	-20.831304	1588.33	881.76
7	GUIDE	822102232	8.80	17149	-0.093	0.087	0.067	0.109	272.350923	-20.034935	-1284.75	727.93

2.4 Star Slots

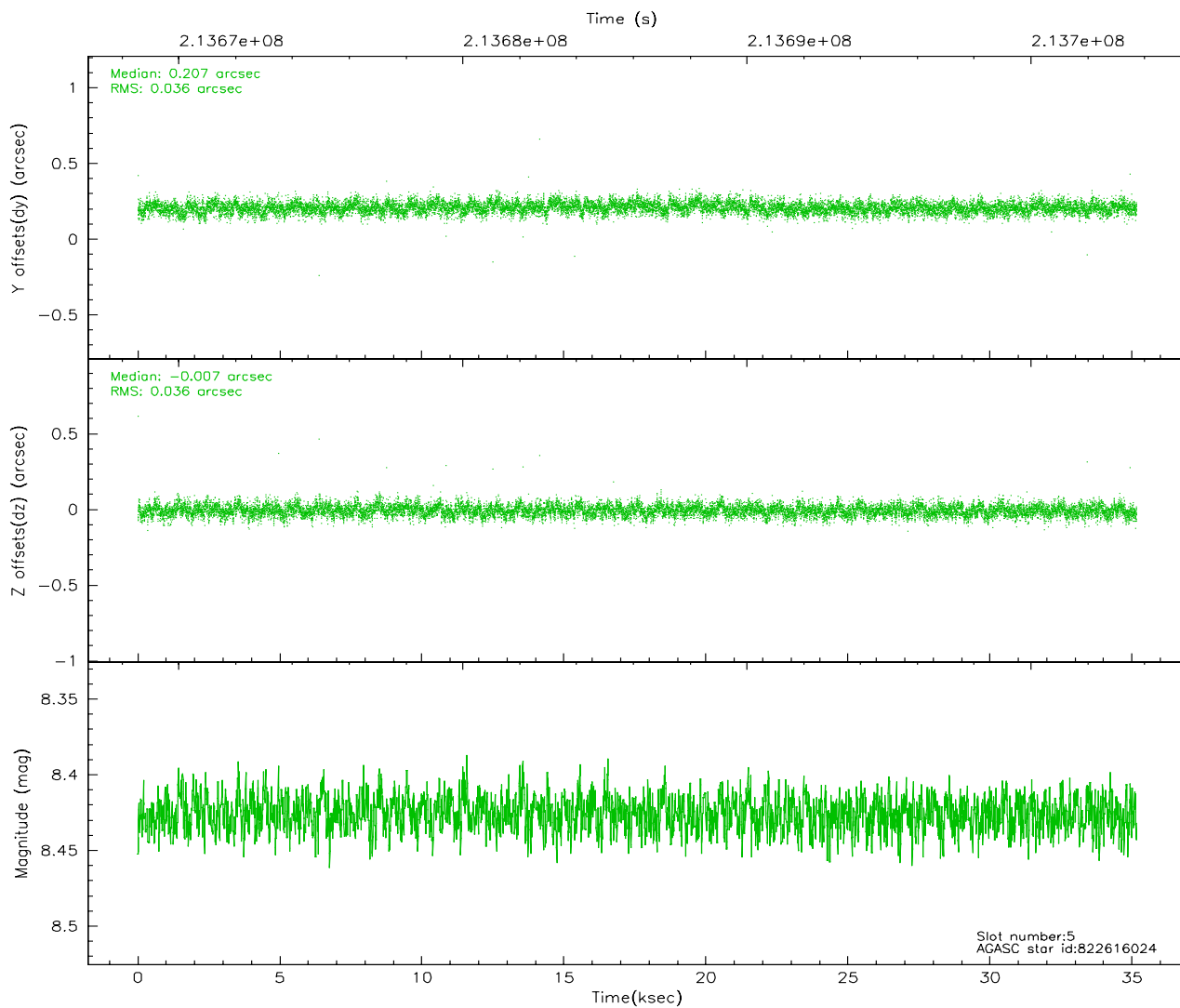
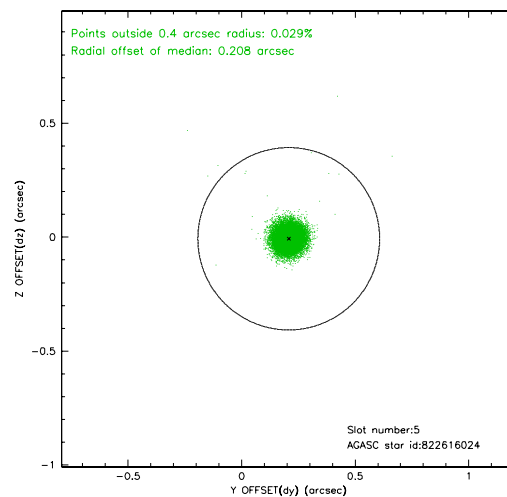
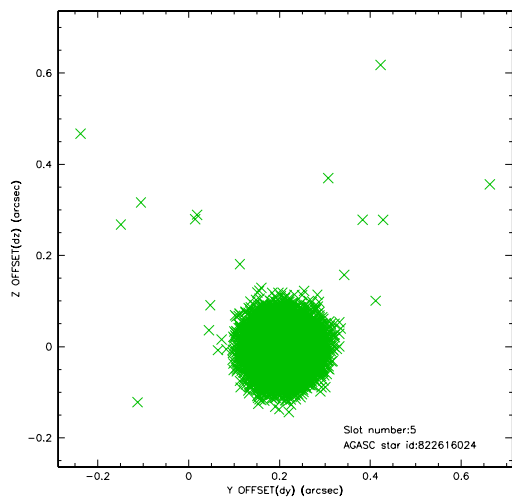
2.4.1 Slot 3



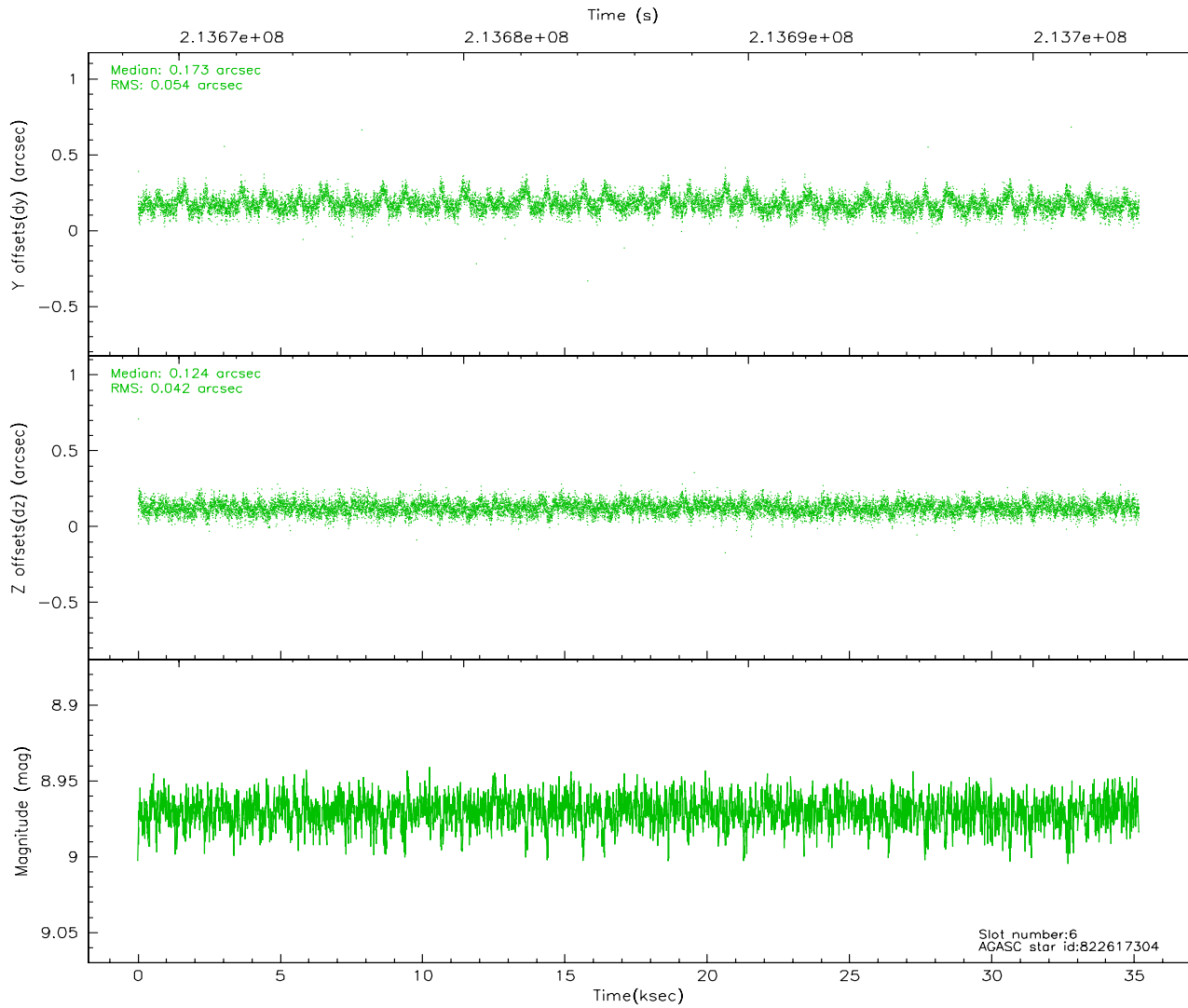
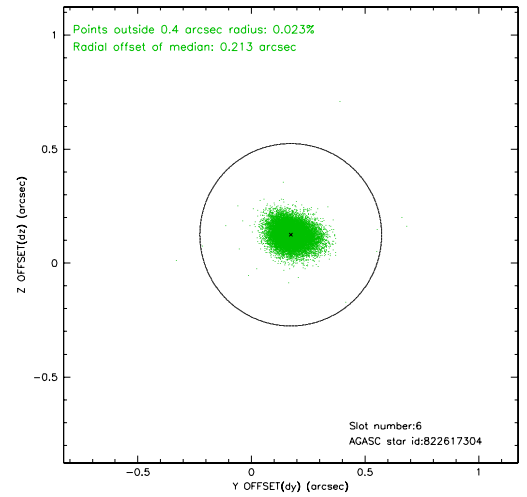
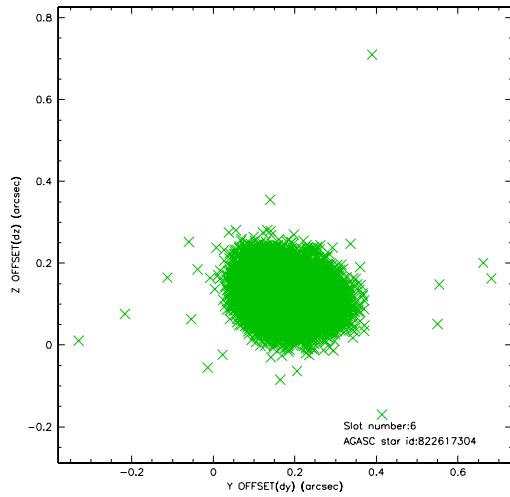
2.4.2 Slot 4



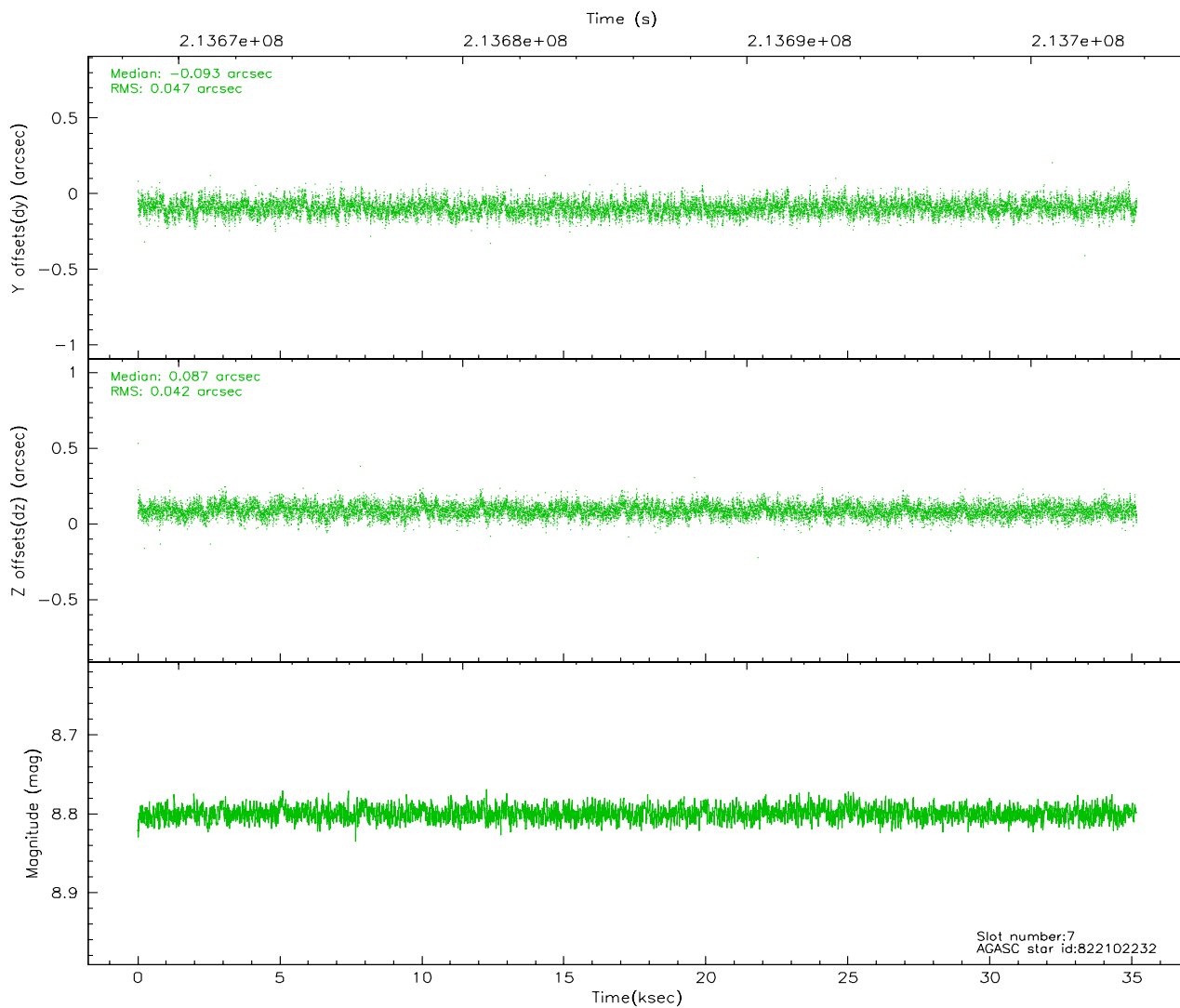
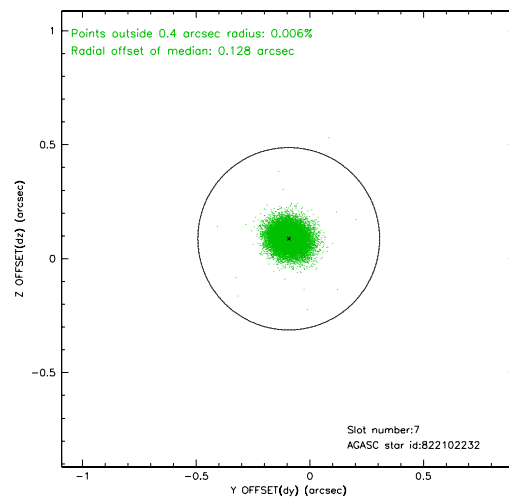
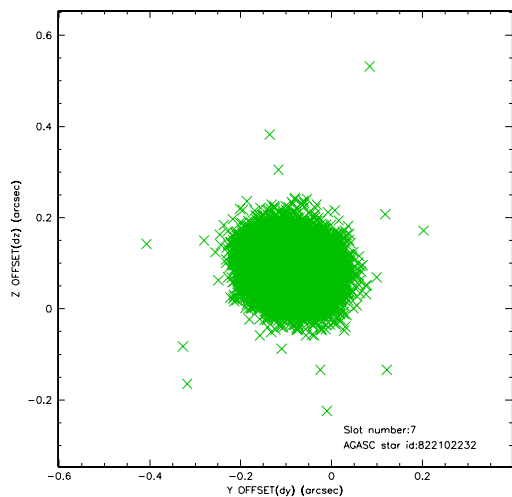
2.4.3 Slot 5



2.4.4 Slot 6

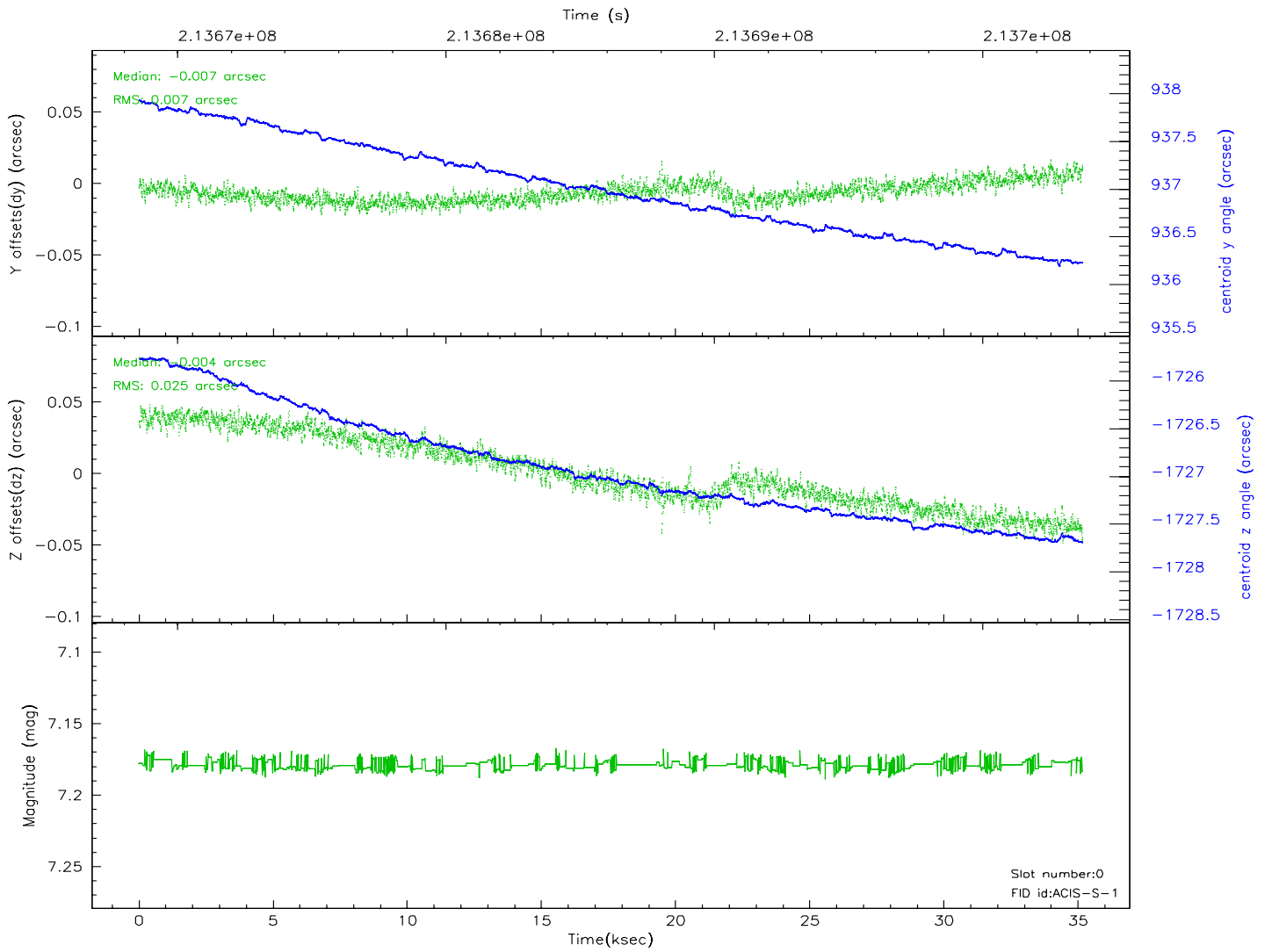
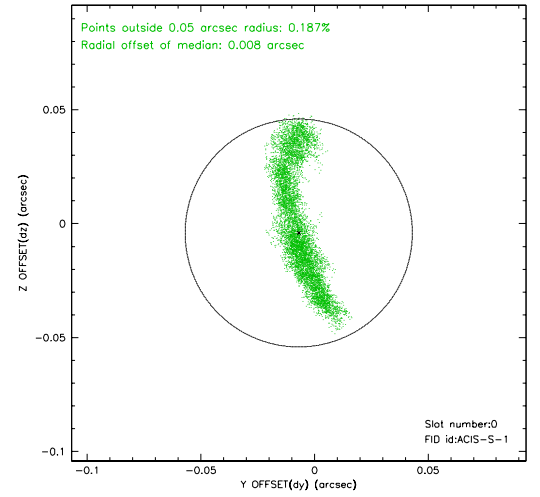
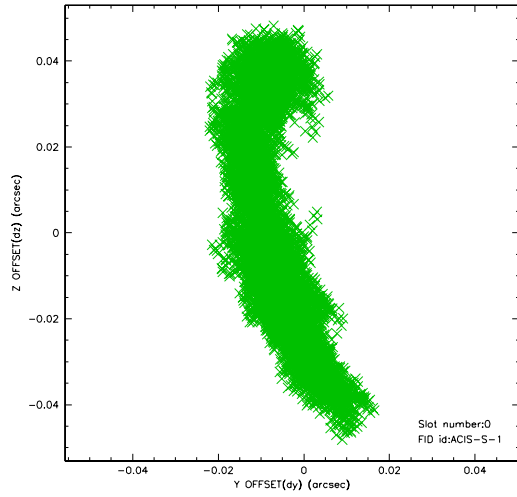


2.4.5 Slot 7

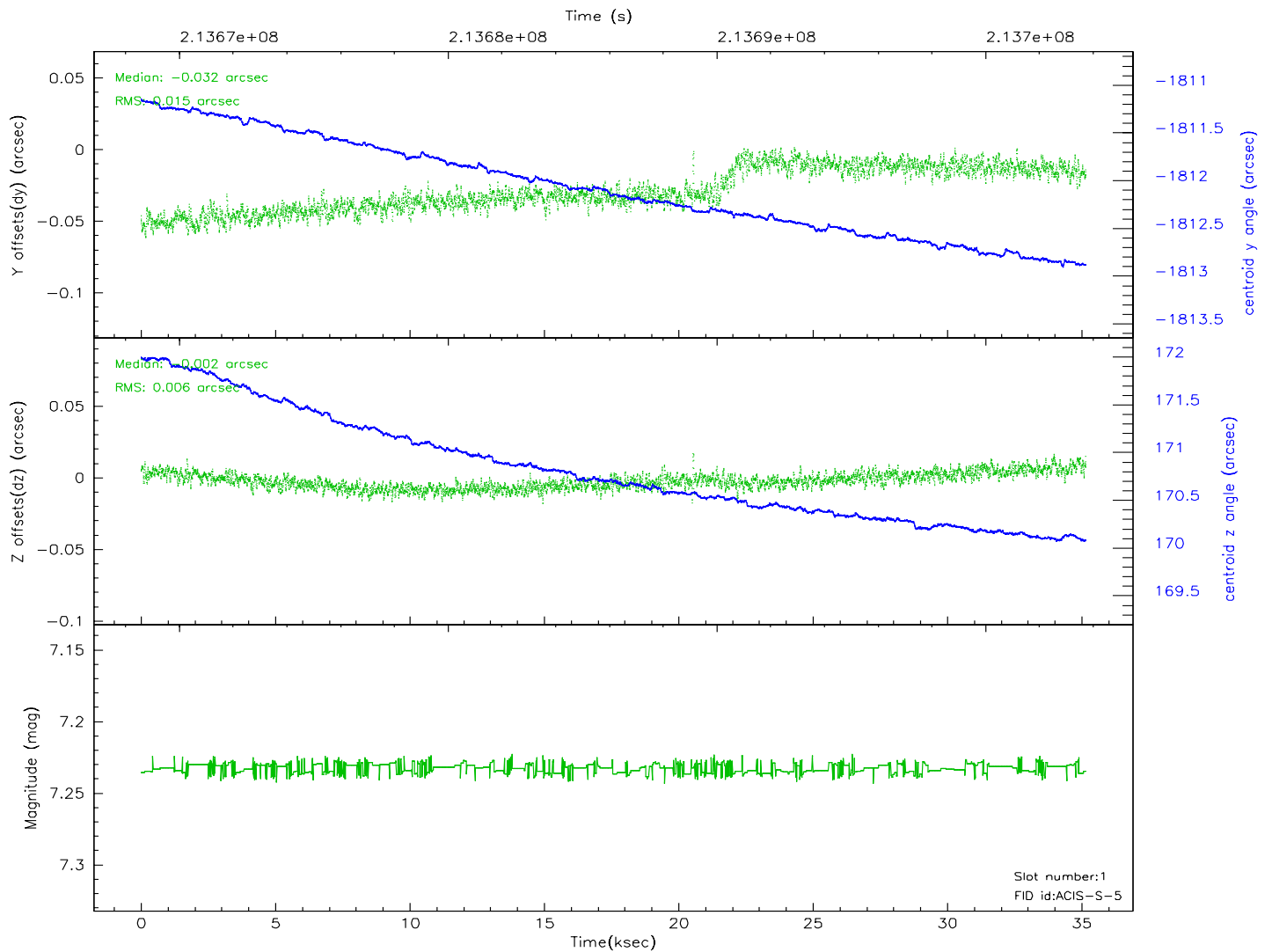
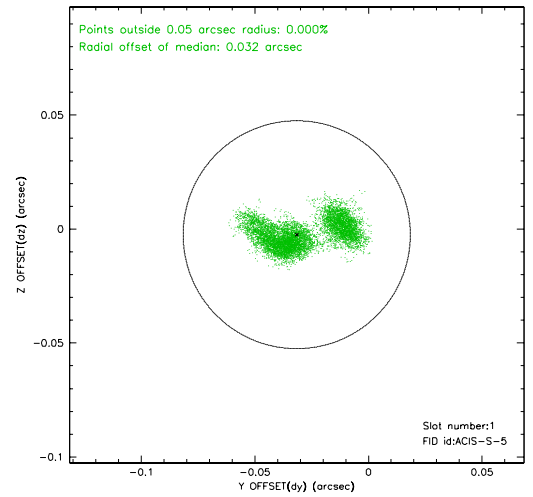
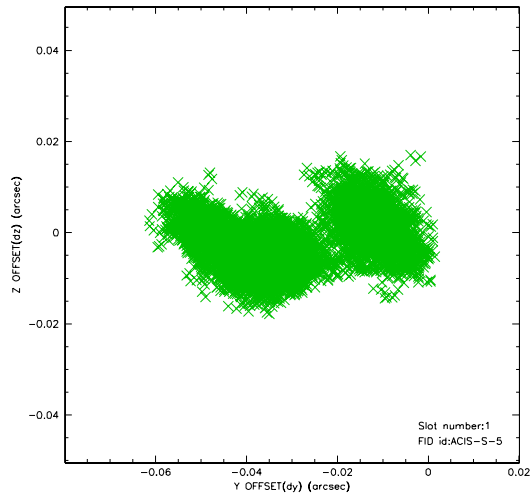


2.5 FID Slots

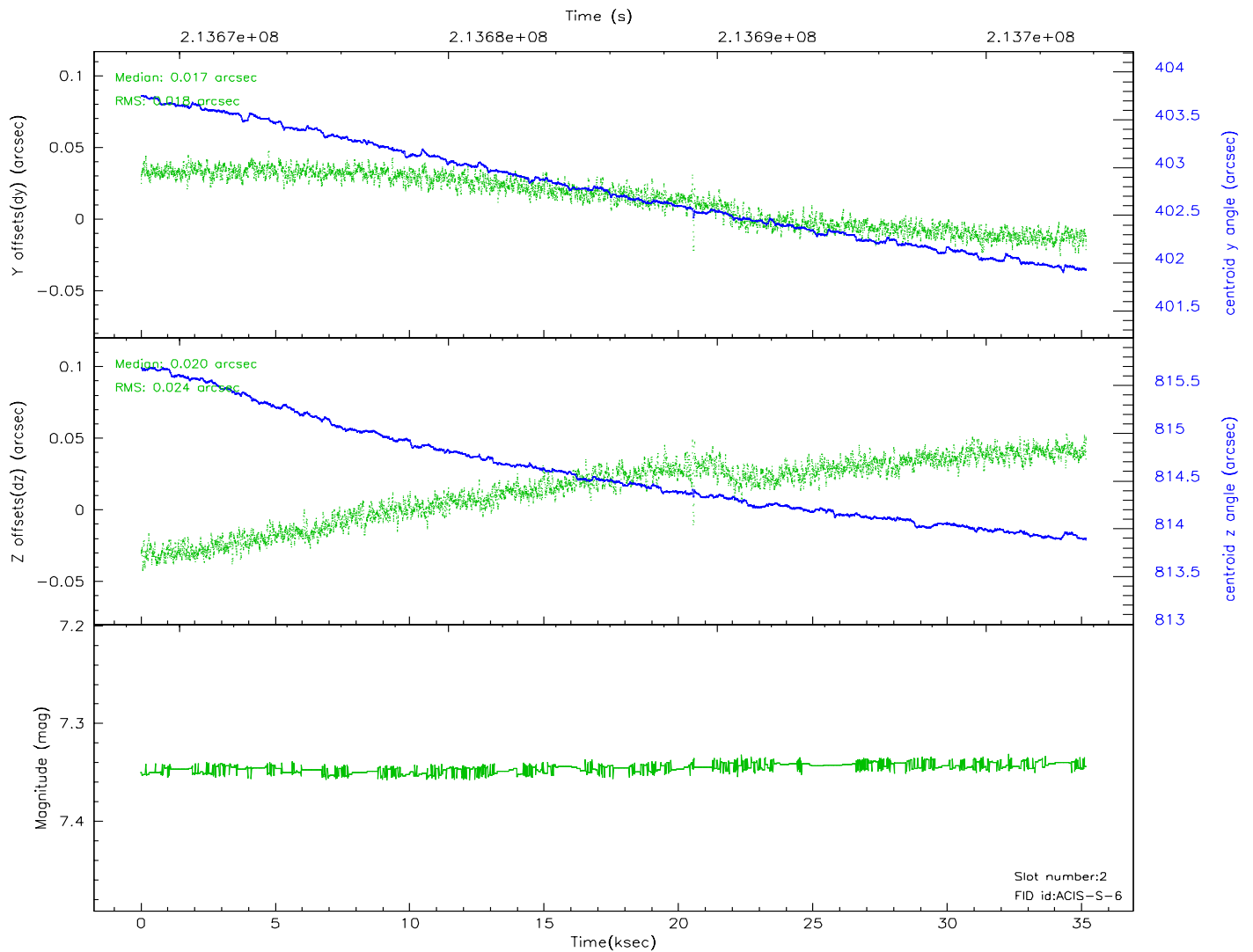
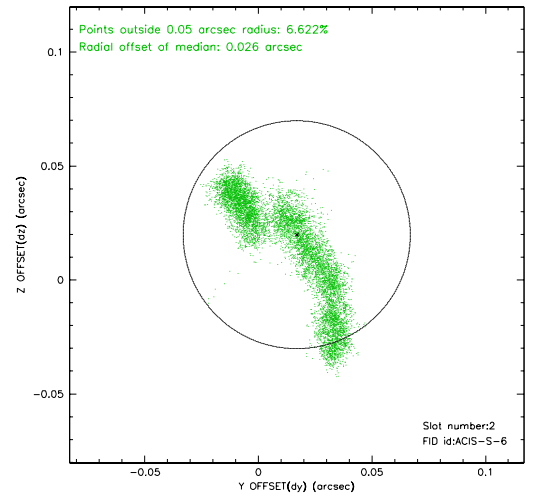
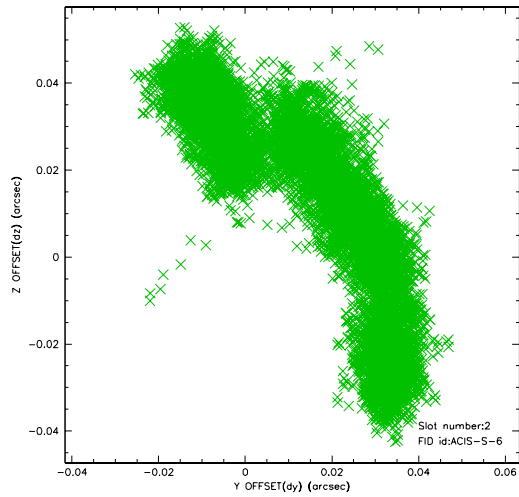
2.5.1 Slot 0



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)	2008.04.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.164

A.2 Comments