

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 5003 - L2 Version 001
Chandra X-Ray Center

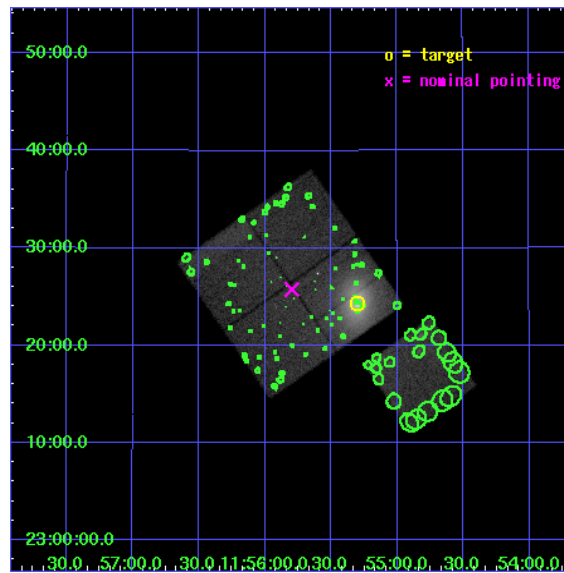
L2 Processing Date : May 31 2006

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1 Front

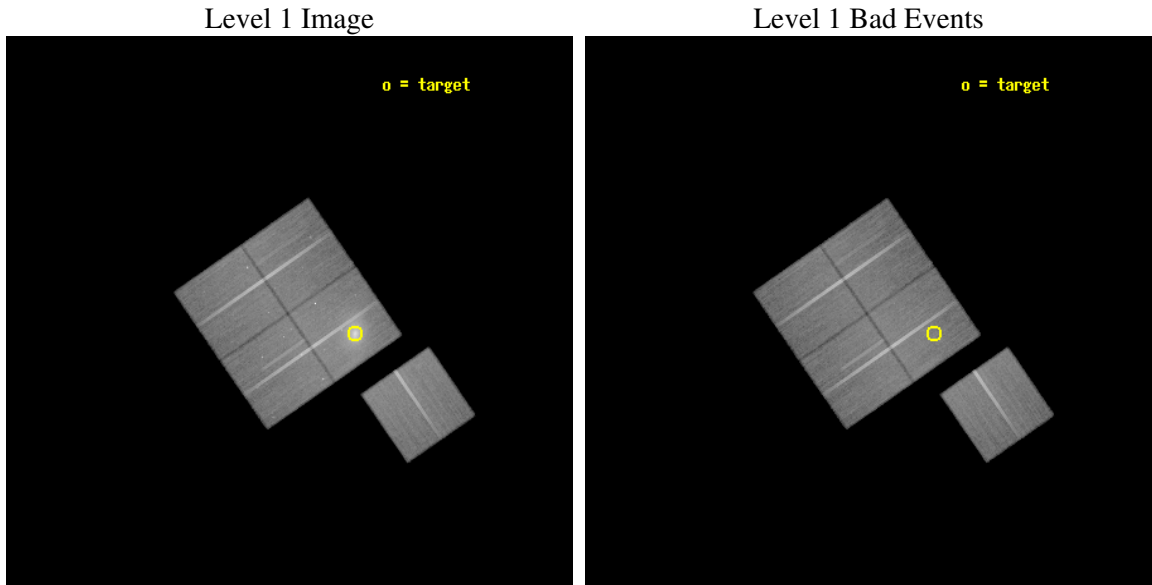
seq_num	800446
obs_id	5003
title	Cluster studies: Determination of H0/q0
observer	DR. LEON VANSPEYBROECK
object	A1413
dtcycle	0
cycle	P
ra_targ	178.825417
dec_targ	23.404722
ra_nom	178.94912824576
dec_nom	23.4294185549
roll_nom	145.3445018209
revision	2
ontime	76046.017873257
livetime	75052.420665479
ontime0	76049.158863515
ontime1	76039.735942781
ontime2	76046.017873257
ontime3	76042.876903027
ontime6	76042.876893014
l2events	309457



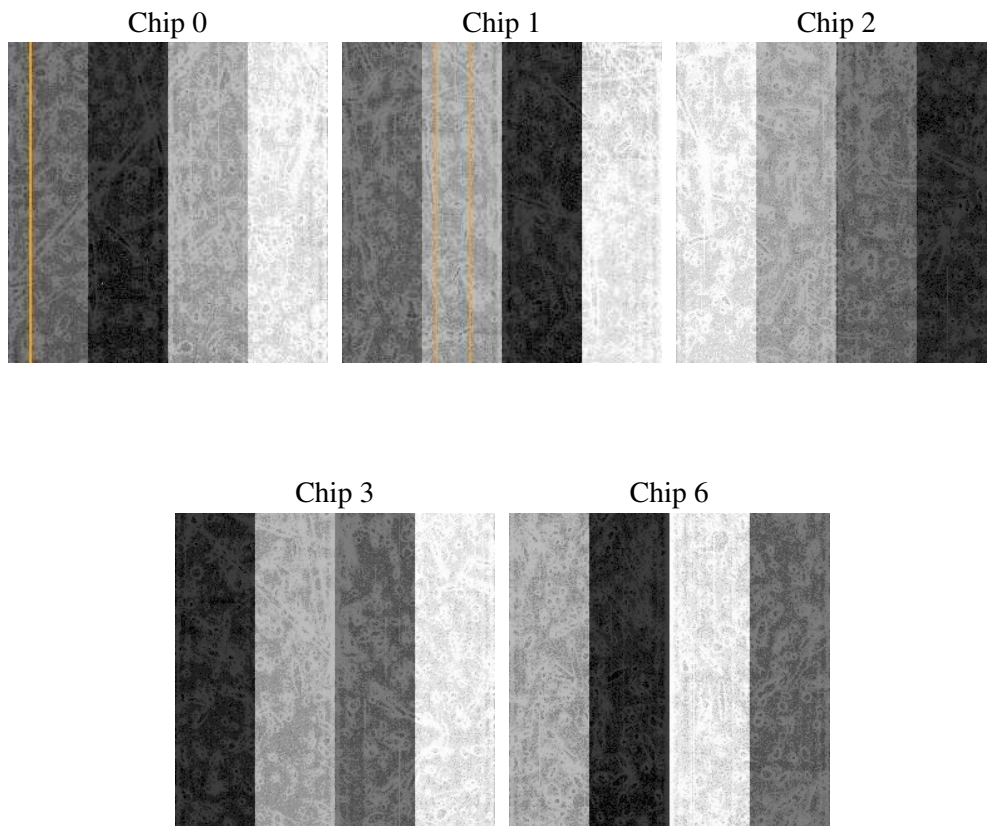
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldsver	3.2.2
date	2006-05-31T14:06:39
revision	2

sched_exp_time	75935.000000
ontime	76050.156465381
ontime0	76053.297455639
ontime1	76043.874534905
ontime2	76050.156465381
ontime3	76047.015475214
ontime6	76047.0154652
l1events	2233329

2.1.4 Events

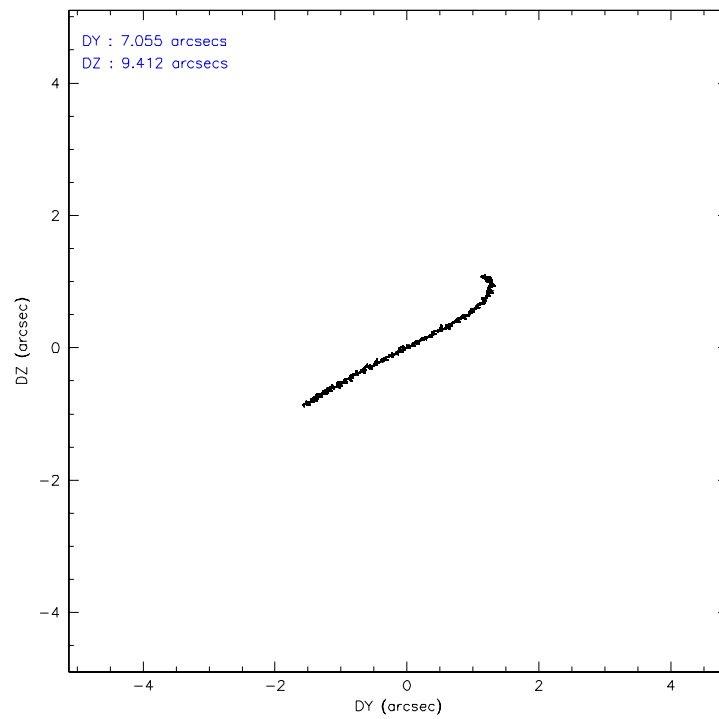
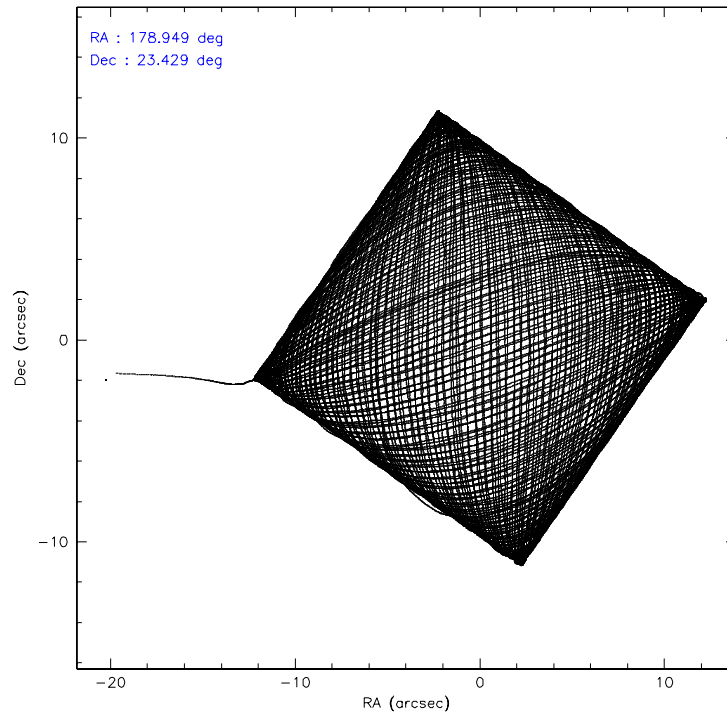
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	393288	400388	581208	427834	430611
rejected events	350157	351928	405627	383331	385846
rejected %	89%	87%	69%	89%	89%

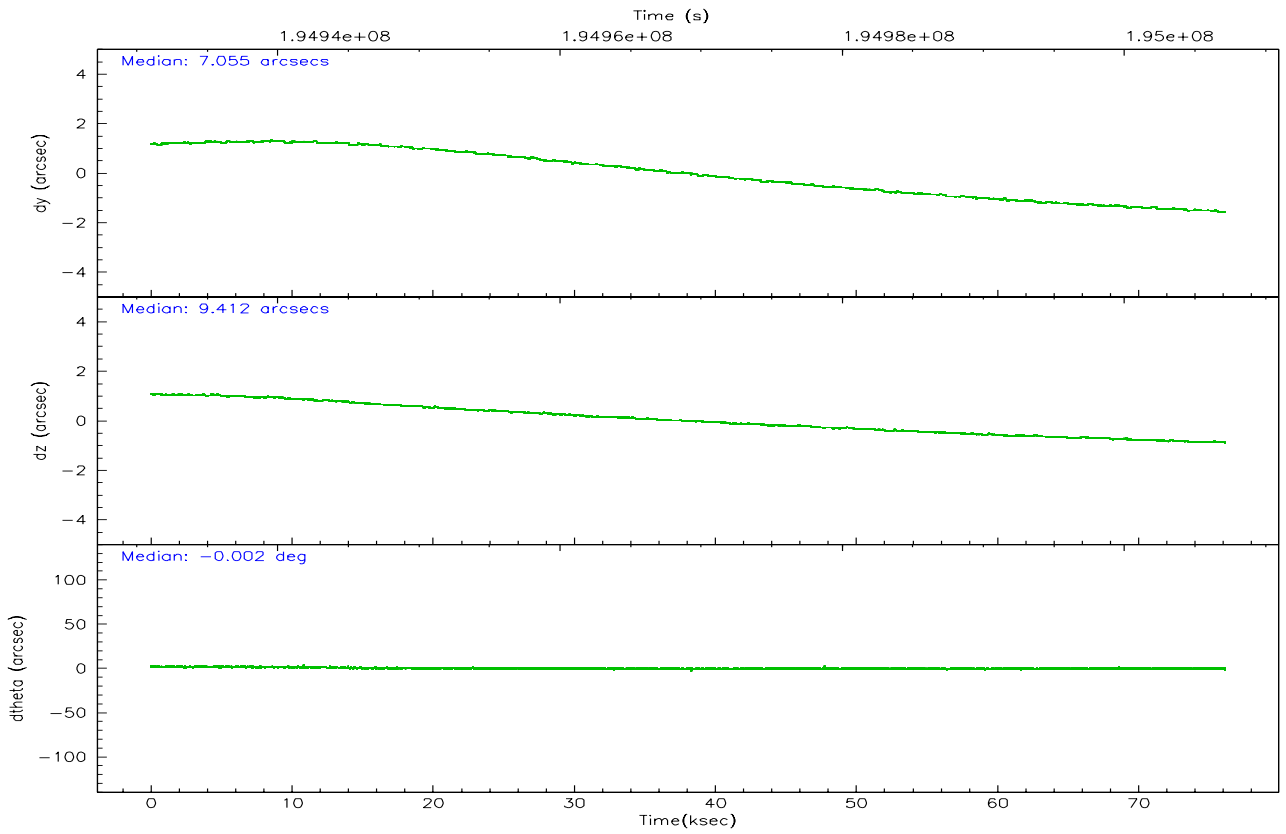
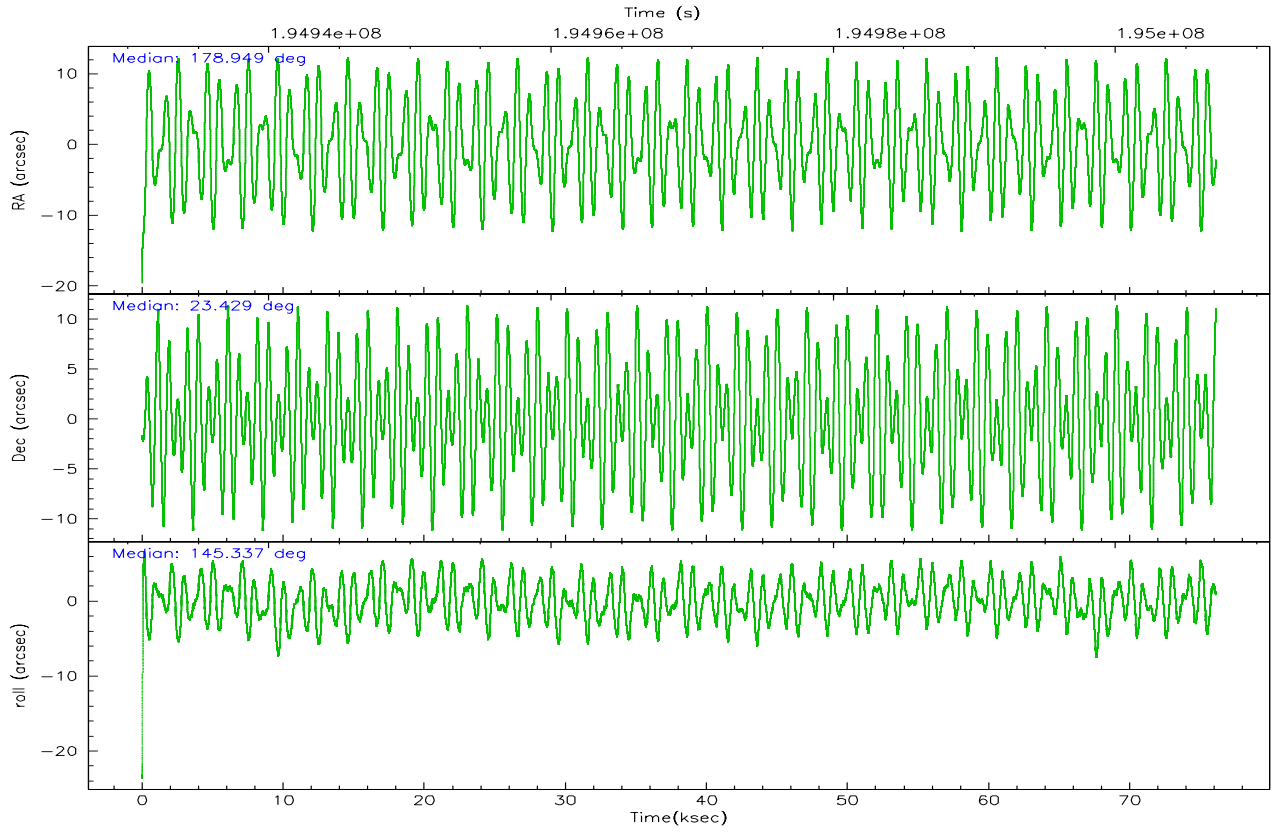
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	15582	17956	123805	18122	16338
	3%	4%	21%	4%	3%
grade 1 events	243	207	748	276	183
	0%	0%	0%	0%	0%
grade 2 events	9821	10211	23102	8819	9192
	2%	2%	3%	2%	2%
grade 3 events	4908	5381	8756	4758	4972
	1%	1%	1%	1%	1%
grade 4 events	4566	5396	8777	4749	5019
	1%	1%	1%	1%	1%
grade 5 events	14965	15819	14313	16569	16540
	3%	3%	2%	3%	3%
grade 6 events	8256	9519	11145	8057	9244
	2%	2%	1%	1%	2%
grade 7 events	334947	335899	390562	366484	369123
	85%	83%	67%	85%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	178.978881	178.9491282457641	Alternating exposures requested	N	N
Pointing Dec	23.427314	23.42941855490047	Primary exposure time	0.000000	3.1
Pointing Roll	145.123991	145.3445018209015			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	194931203.184000	194930218.79378			
Observation start date	2004-03-06T03:32:19	2004-03-06T03:16:58			
Observation end time	195007138.184000	195007837.43468			
Observation end date	2004-03-07T00:37:54	2004-03-07T00:50:37			
Read mode	TIMED	TIMED			

2.3 Aspect



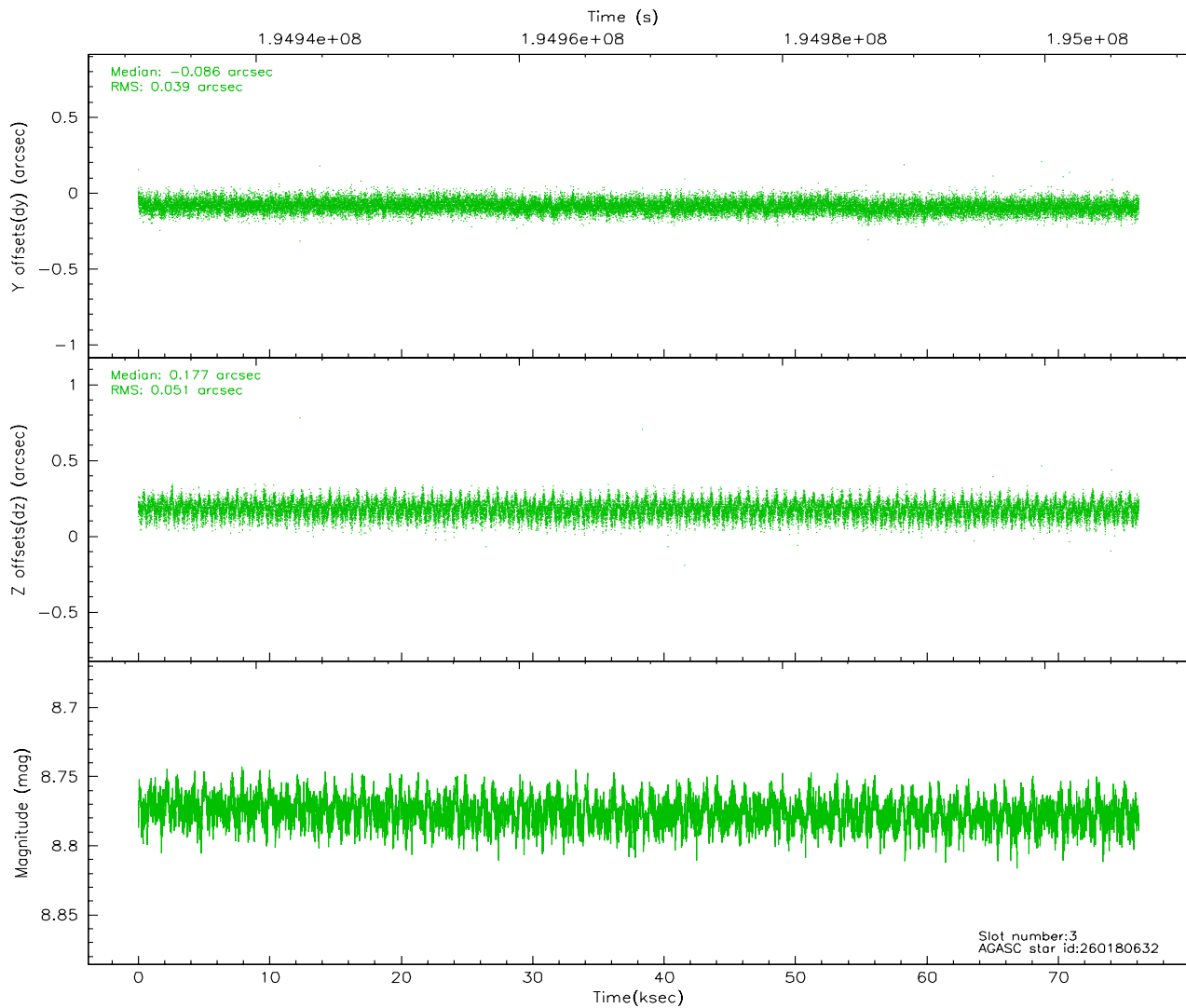
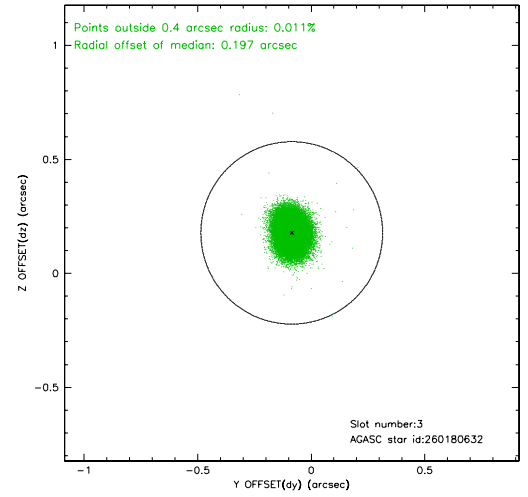
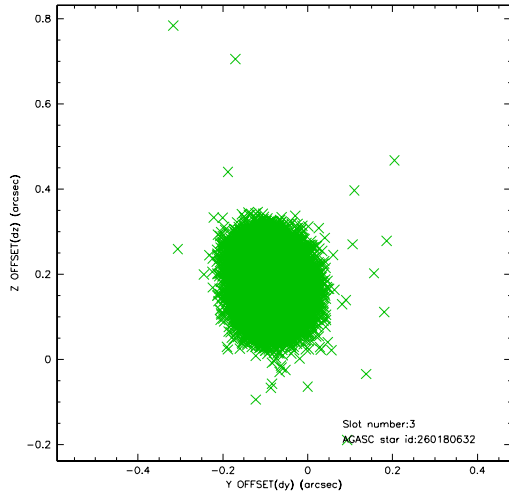


Slot Statistics

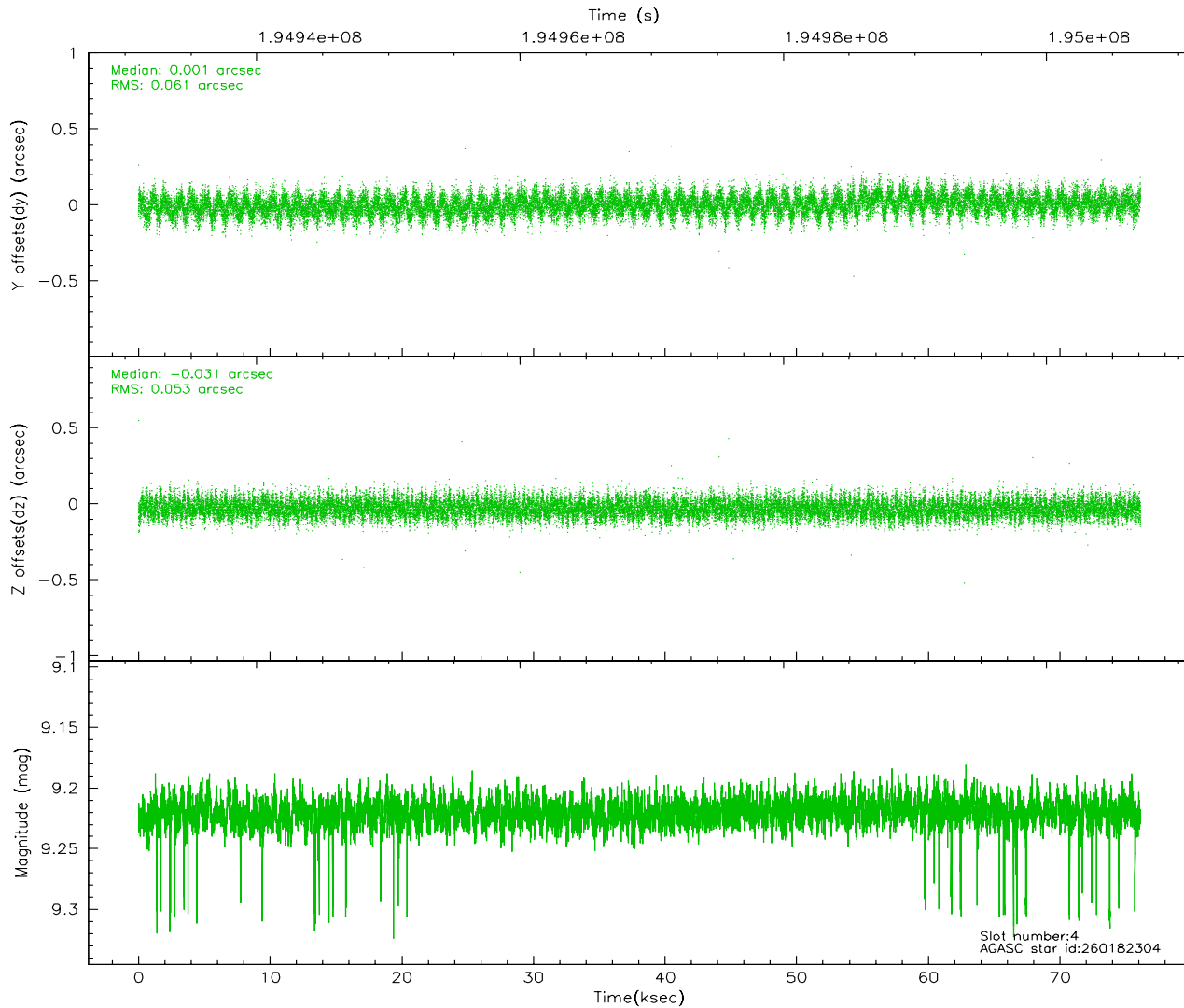
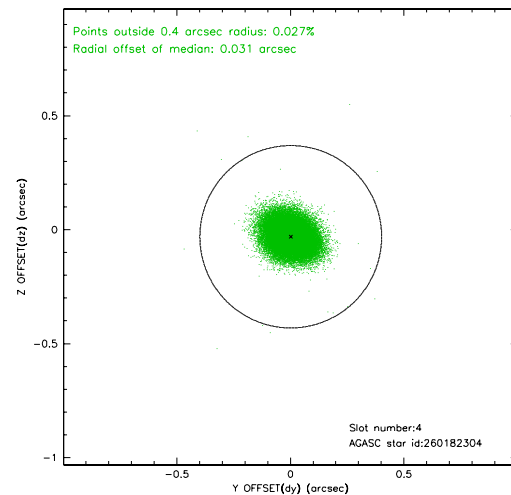
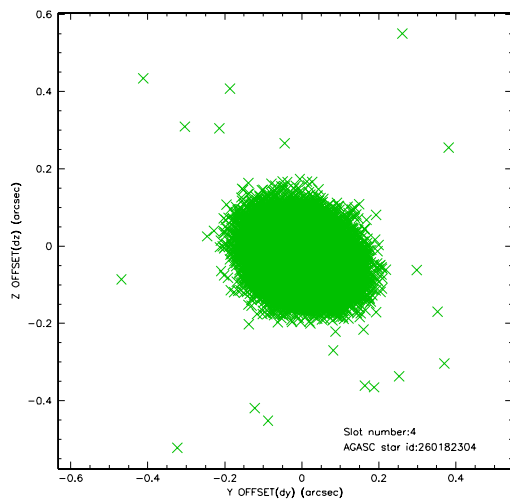
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	18565	-0.013	0.064	0.019	0.034	0.000000	0.000000	932.63	-832.86
1	FID	ACIS-I-5	7.23	18564	-0.129	0.023	0.017	0.024	0.000000	0.000000	-1815.63	1064.63
2	FID	ACIS-I-6	7.25	18566	0.050	-0.014	0.020	0.029	0.000000	0.000000	398.31	1709.02
3	GUIDE	260180632	8.78	37127	-0.086	0.177	0.068	0.111	179.568974	23.188670	-2090.94	-414.87
4	GUIDE	260182304	9.22	37078	0.001	-0.031	0.085	0.138	178.643100	23.810976	1697.41	-501.51
5	GUIDE	260186296	9.58	37096	0.101	0.047	0.113	0.185	179.246996	23.604894	-359.09	-1030.49
6	GUIDE	260188192	9.15	37118	0.031	0.014	0.077	0.129	179.330149	22.976535	-1882.18	664.54
7	GUIDE	260186848	8.21	37126	-0.046	-0.214	0.094	0.139	178.929956	22.642824	-1481.85	2409.78

2.4 Star Slots

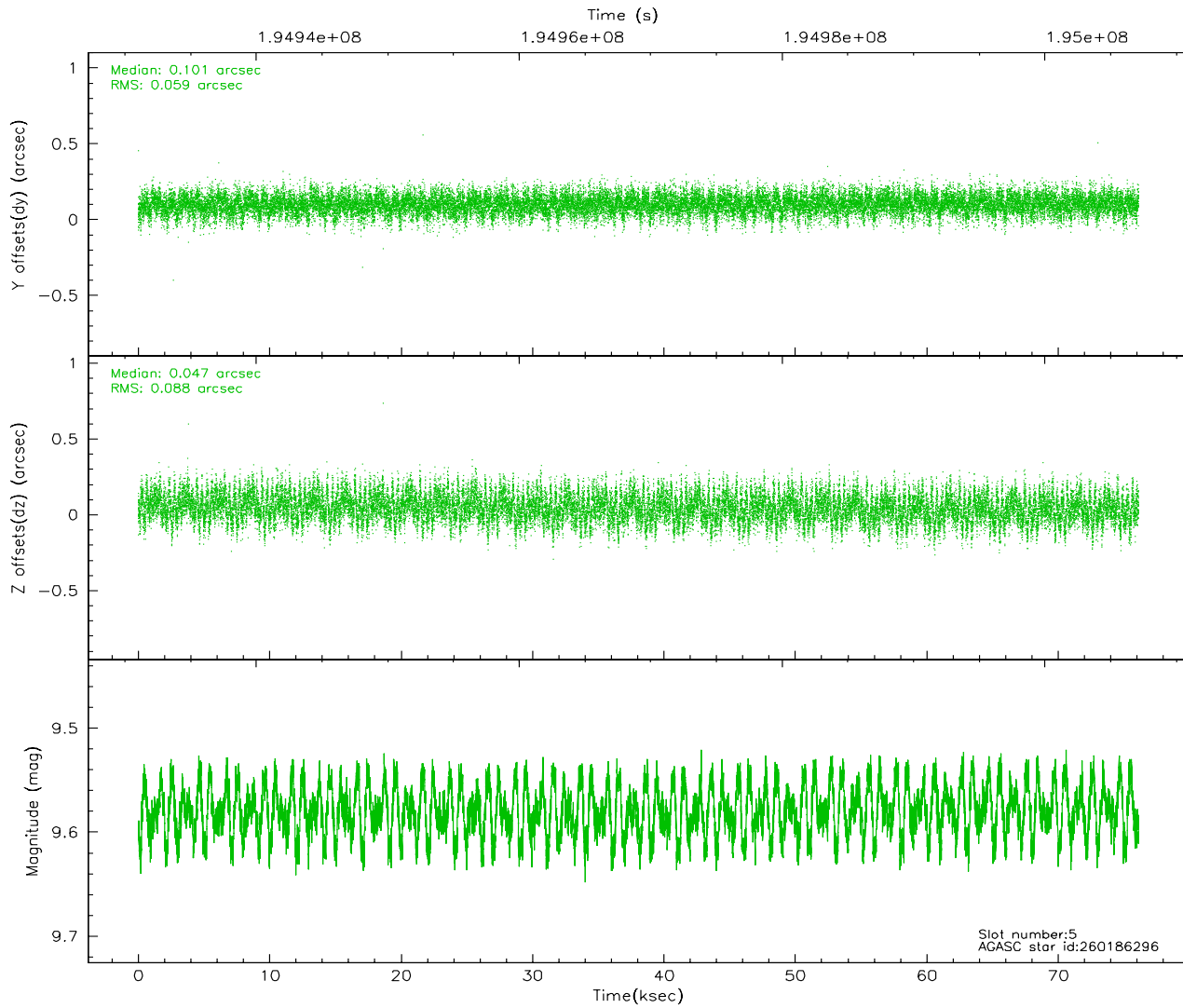
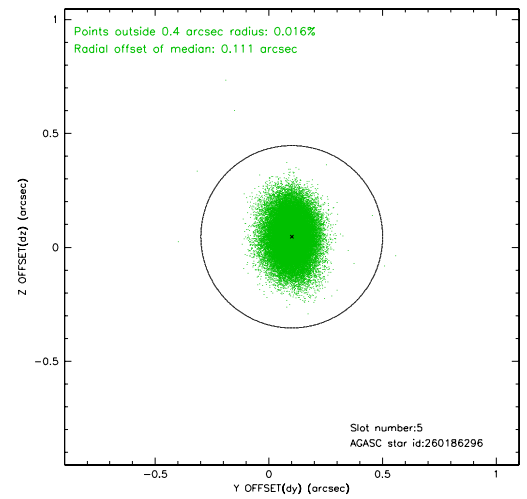
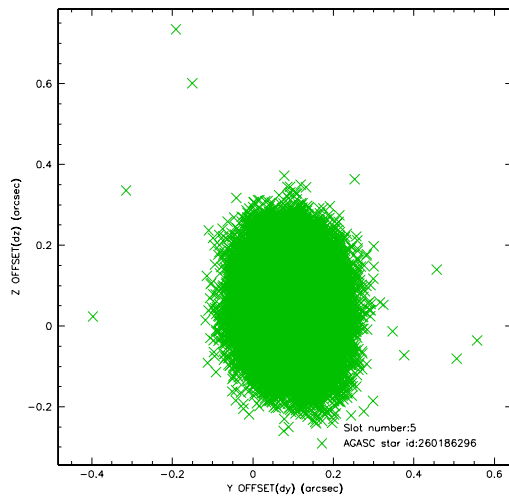
2.4.1 Slot 3



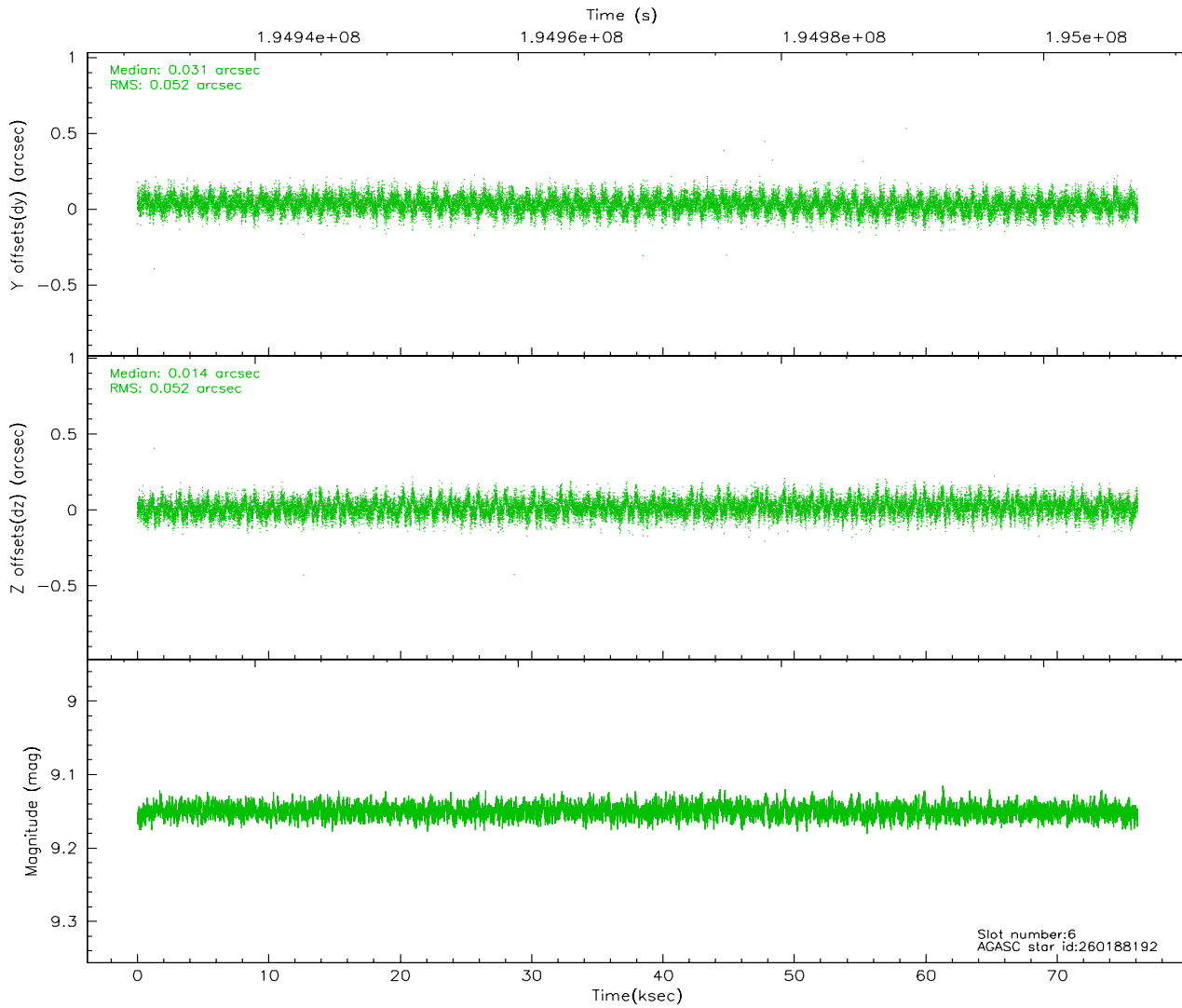
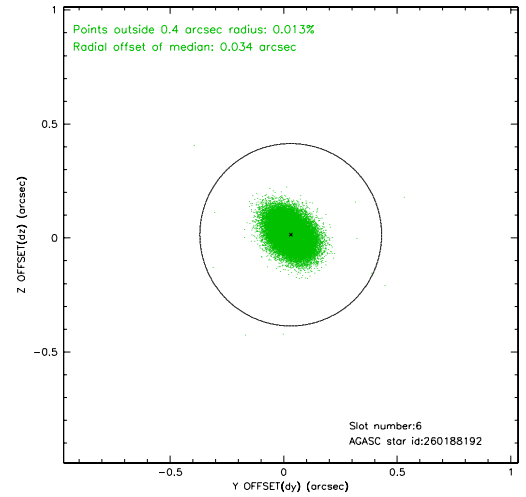
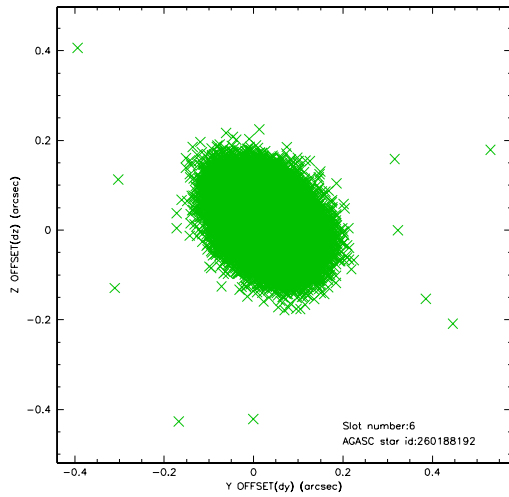
2.4.2 Slot 4



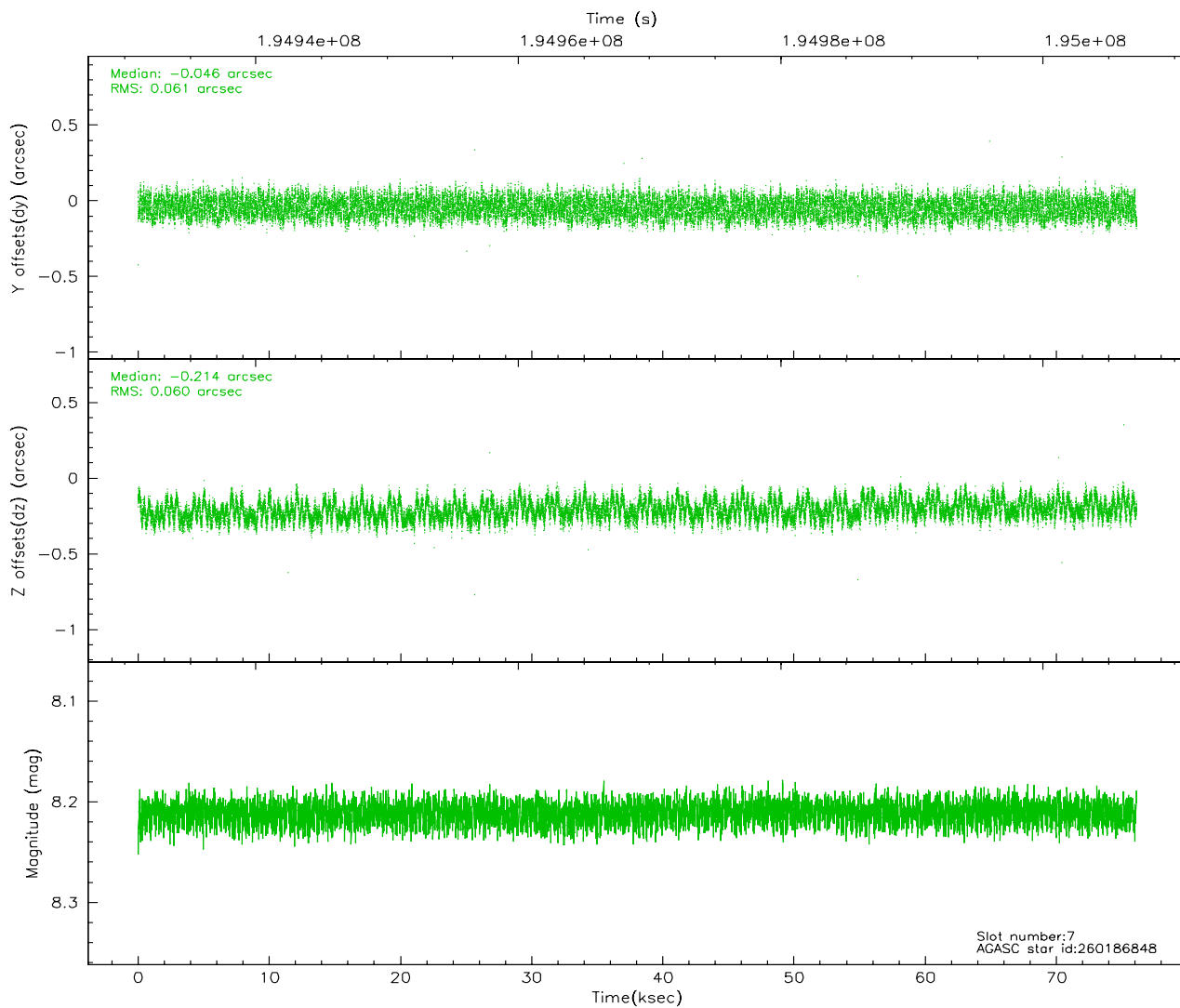
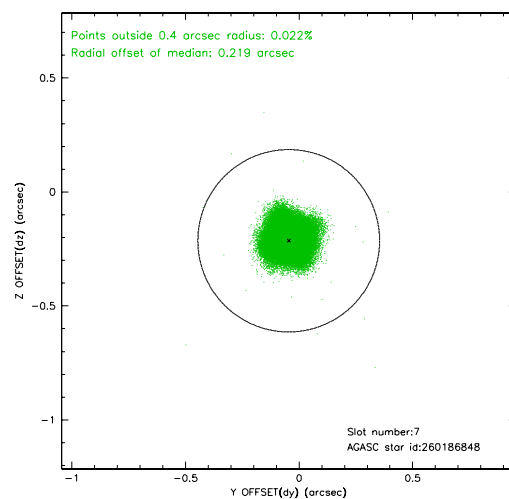
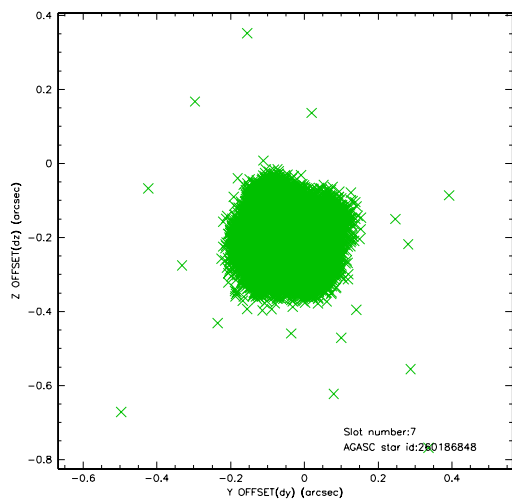
2.4.3 Slot 5



2.4.4 Slot 6

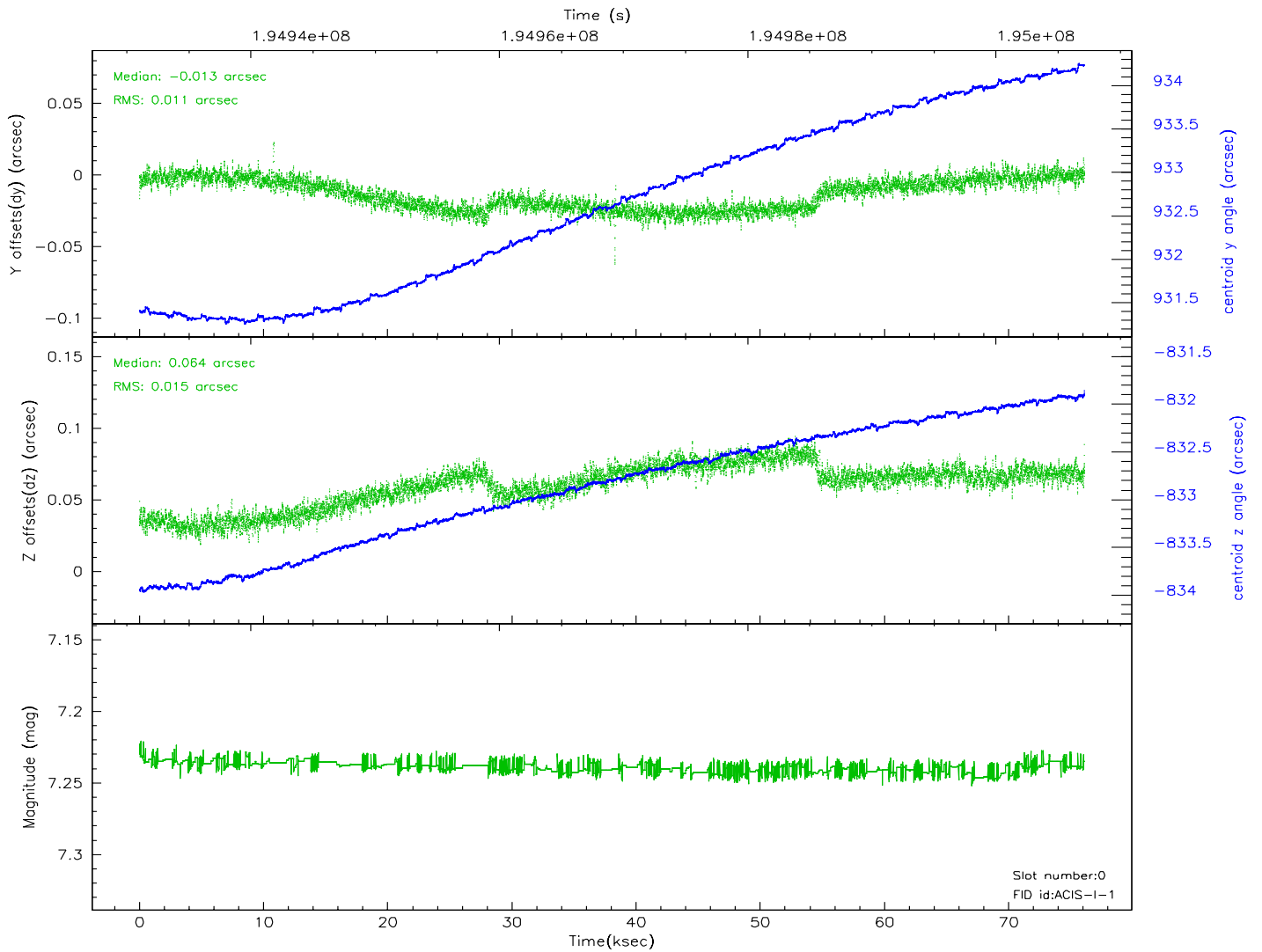
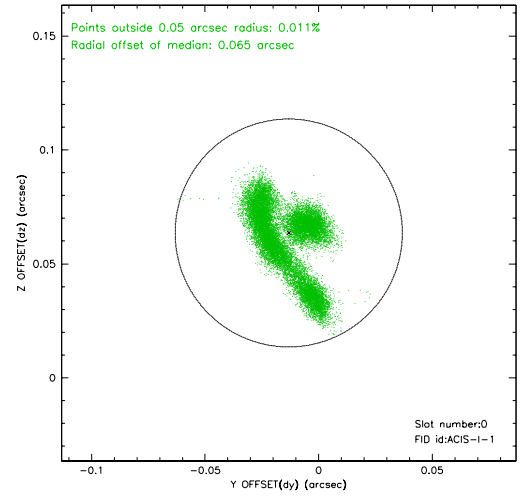
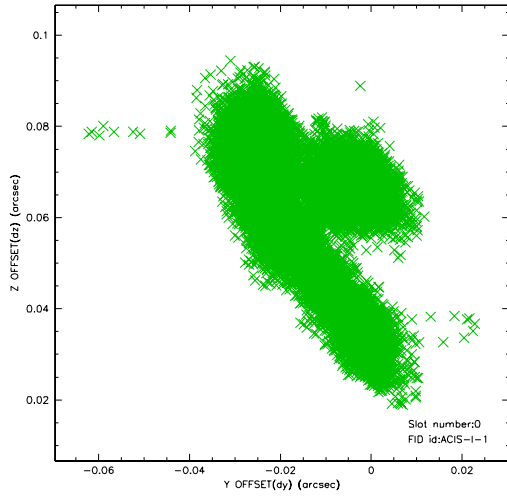


2.4.5 Slot 7

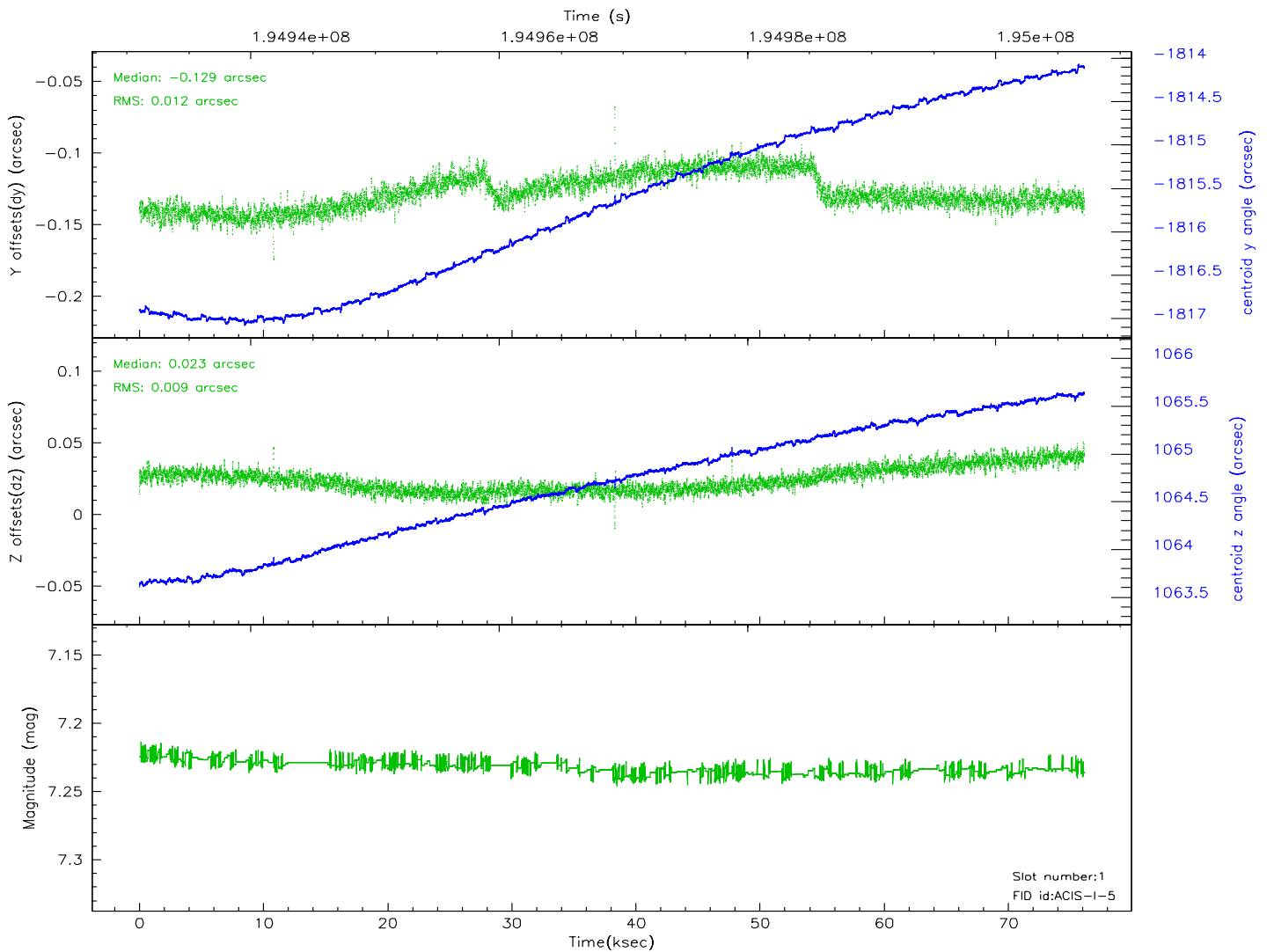
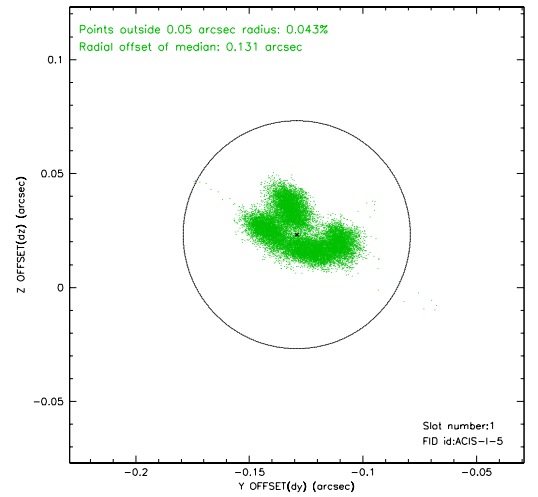
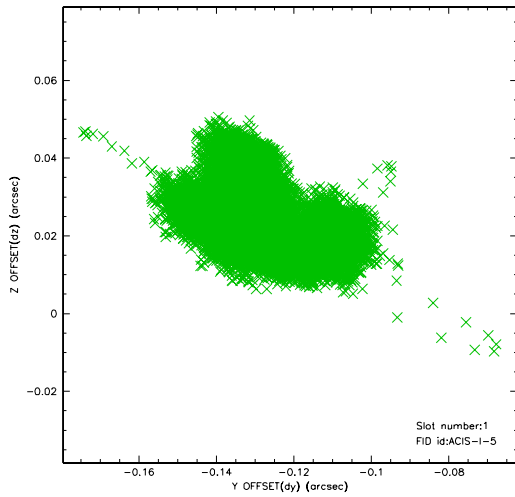


2.5 FID Slots

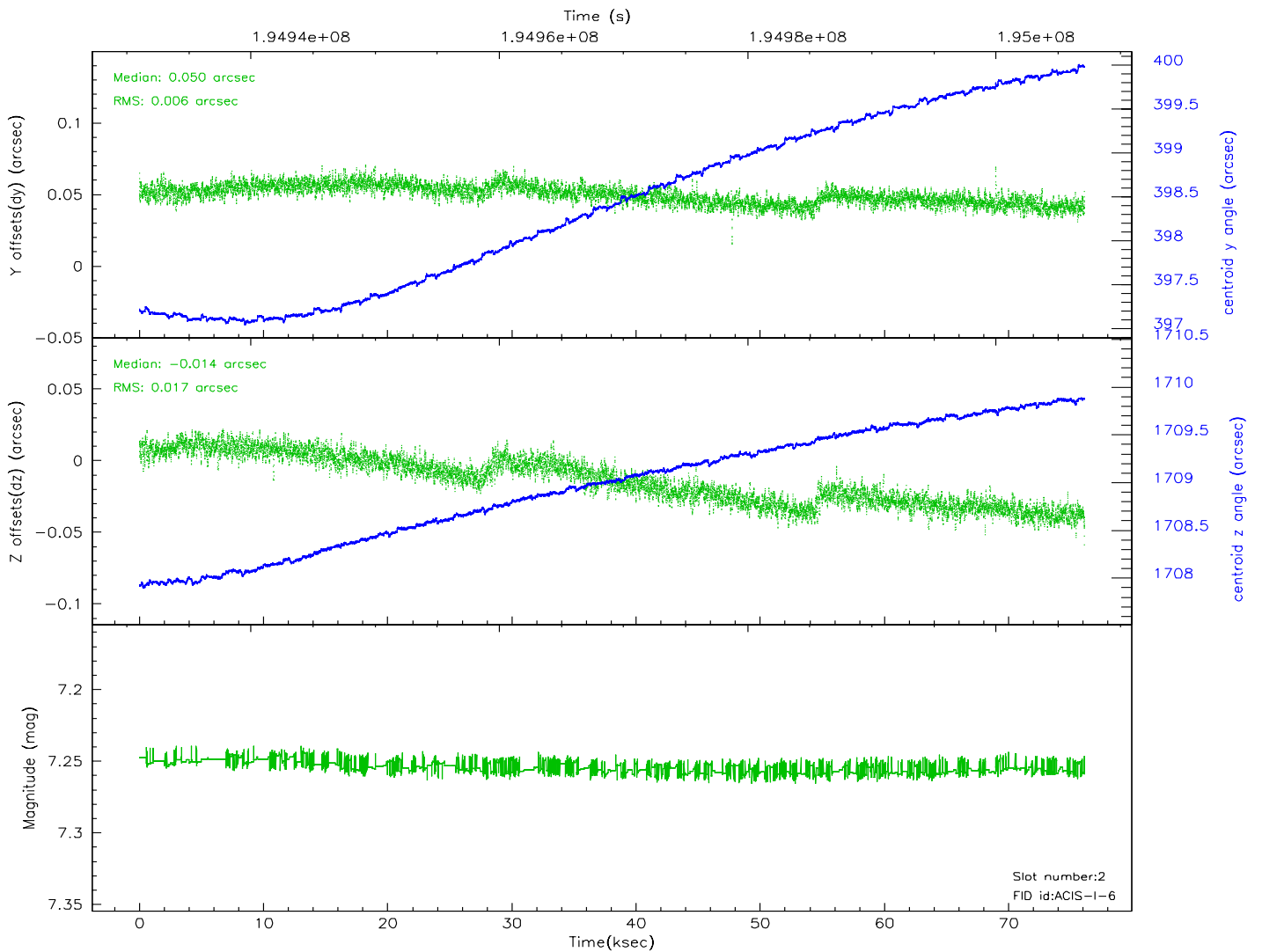
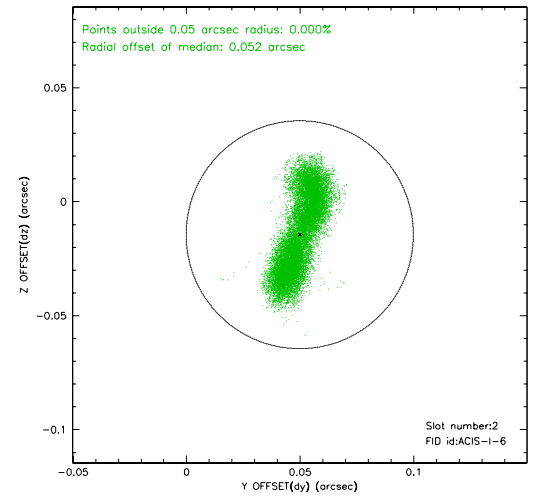
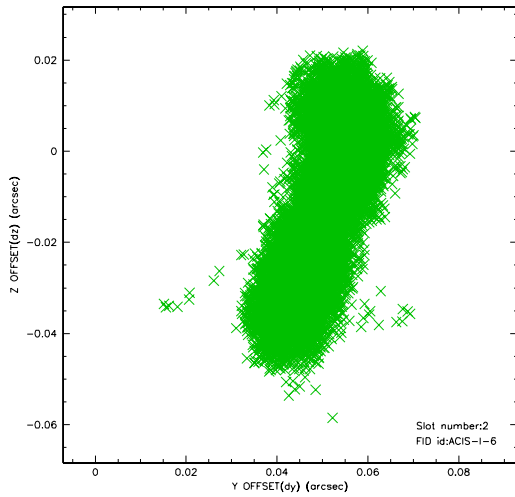
2.5.1 Slot 0



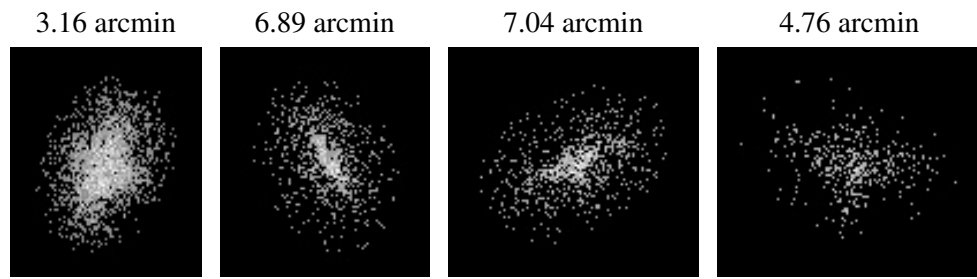
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	76.046

A.2 Comments