

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5492 - L2 Version 002
Chandra X-Ray Center

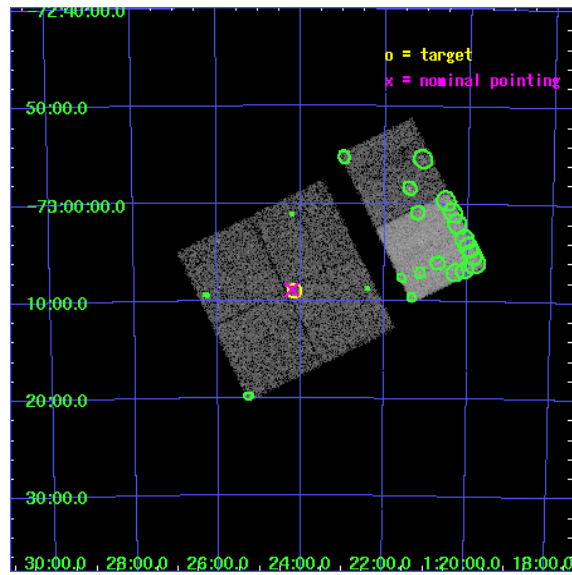
L2 Processing Date : Mar 19 2006

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1 Front

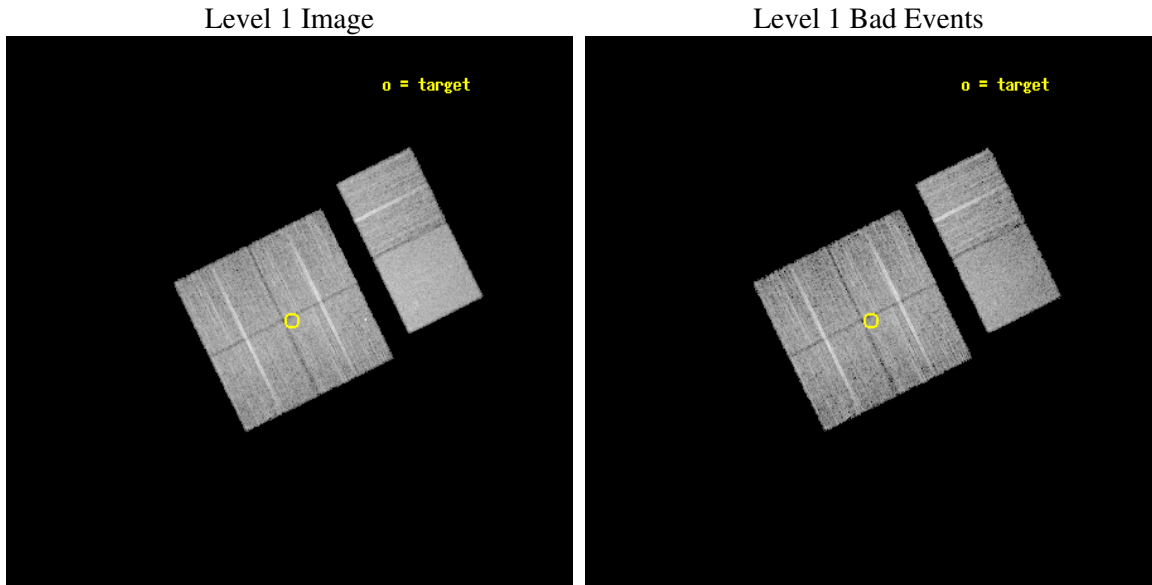
seq_num	400422
obs_id	5492
title	Discovering X-ray pulsars in the Wing of the Small Magellanic Cloud
observer	Dr. Malcolm Coe
object	SMCwing 13
dtcycle	0
cycle	P
ra_targ	21.041667
dec_targ	-73.150556
ra_nom	21.05363159925
dec_nom	-73.147499216287
roll_nom	63.752946461092
revision	2
ontime	10185.599962056
livetime	10056.623762304
ontime0	10185.599962056
ontime1	10185.599962056
ontime2	10185.599962056
ontime3	10185.599962056
ontime6	10185.599962056
ontime7	10185.599962056
l2events	76292



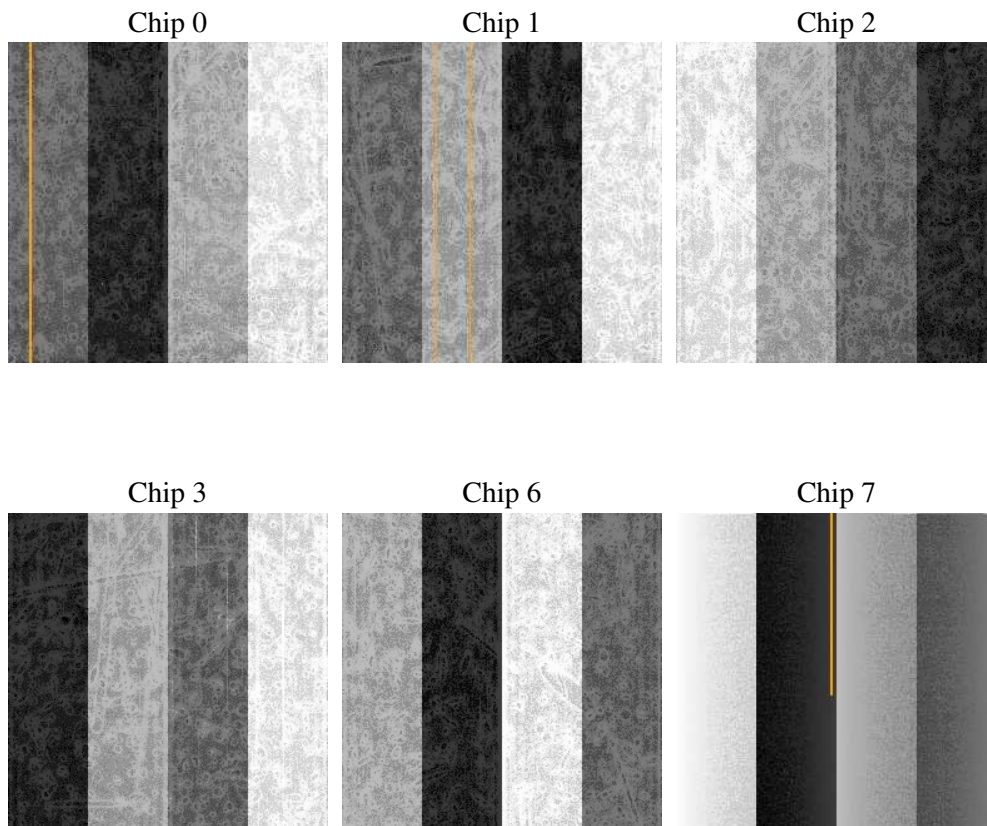
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-03-19T06:20:19
revision	2

sched_exp_time	10000.000000
ontime	11725.978427917
ontime0	11725.978427917
ontime1	11725.978427917
ontime2	11725.978408039
ontime3	11725.978427917
ontime6	11725.978427917
ontime7	11725.978427917
l1events	531958

2.1.4 Events

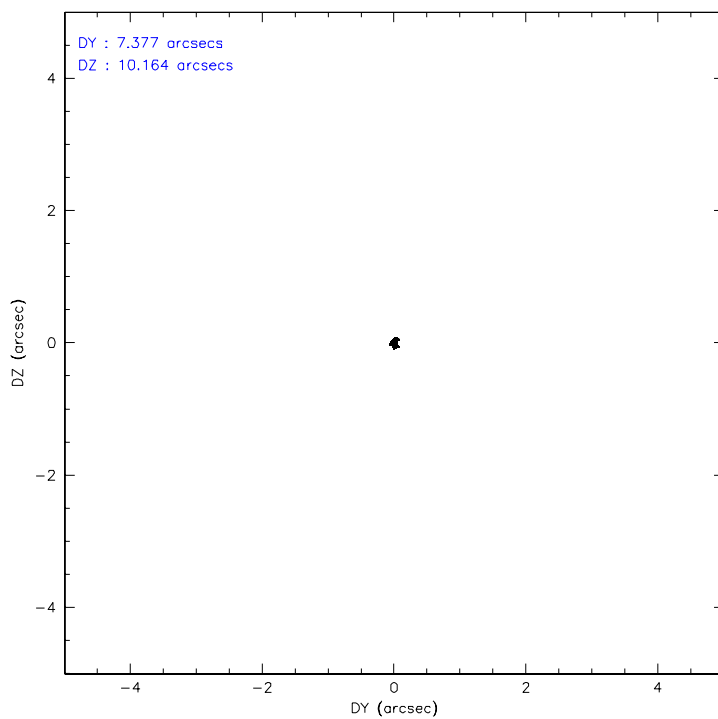
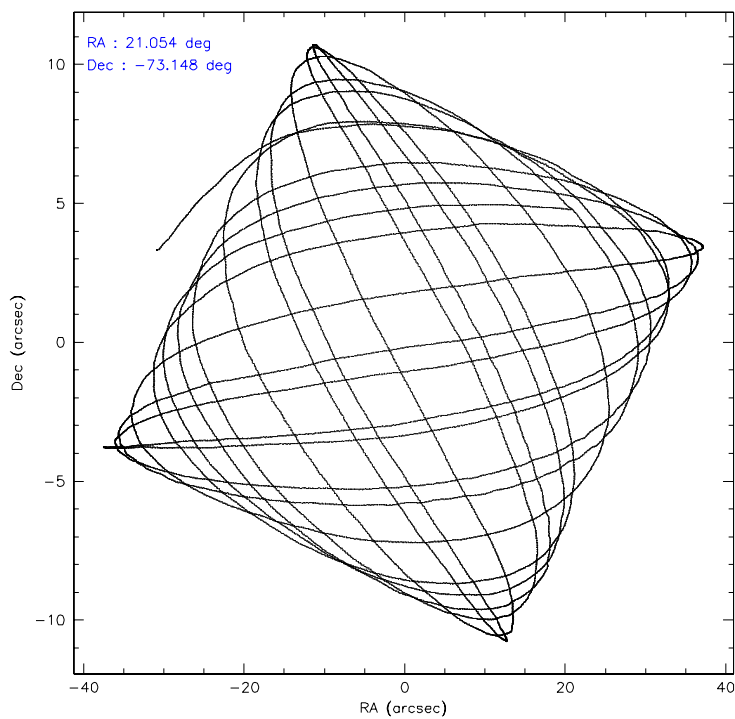
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	78837	78521	85098	84920	87986	116596
rejected events	69843	69206	76532	75859	78928	78343
rejected %	88%	88%	89%	89%	89%	67%

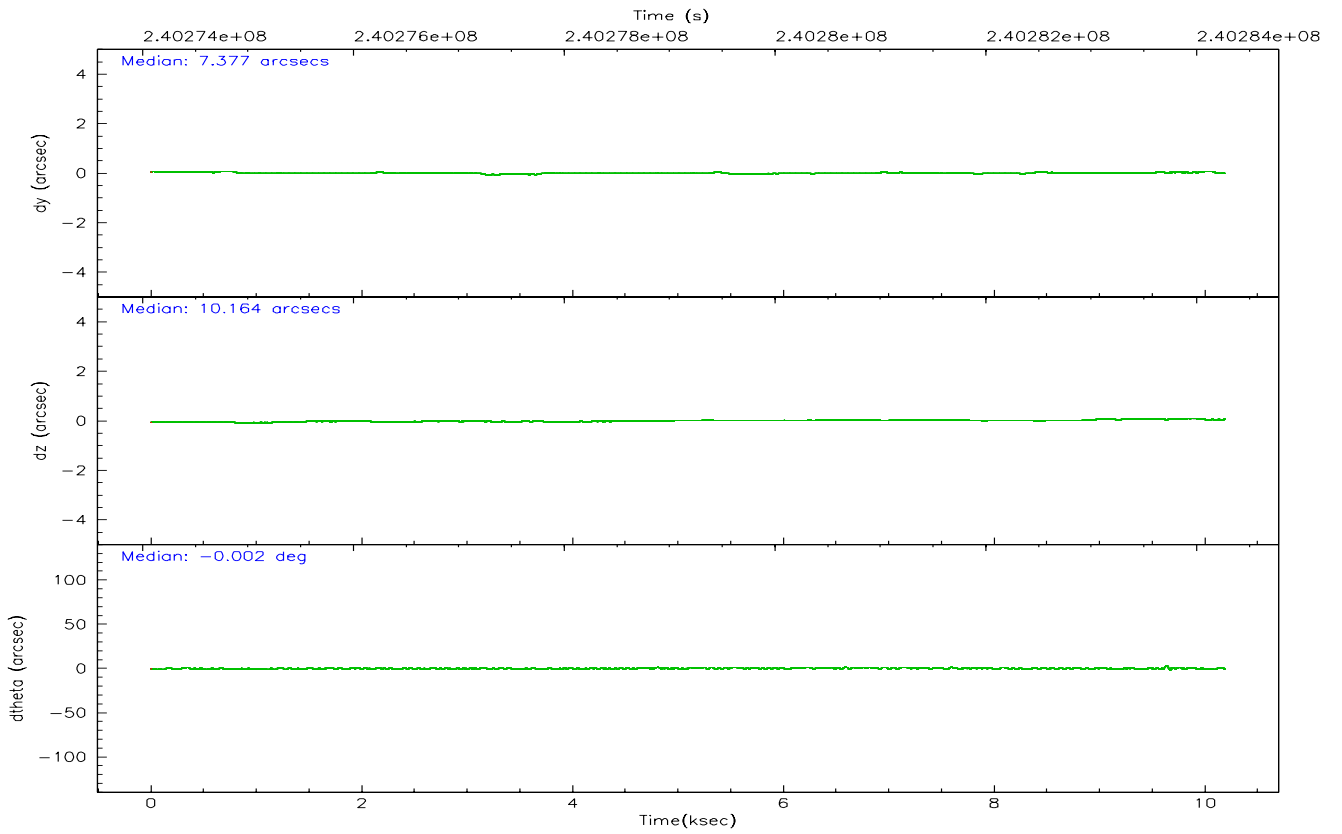
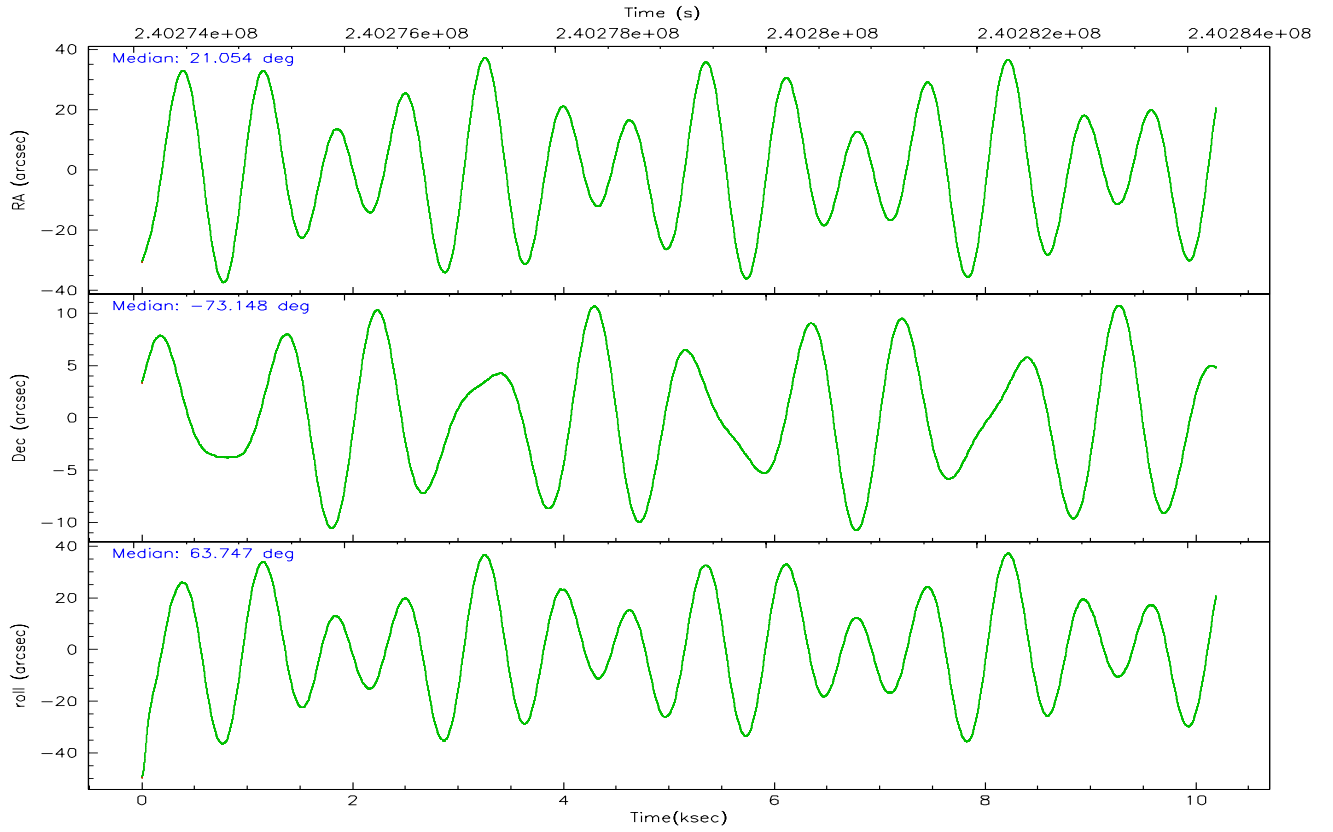
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	4338	4266	4209	4562	4102	2437
	5%	5%	4%	5%	4%	2%
grade 1 events	31	49	53	80	43	64
	0%	0%	0%	0%	0%	0%
grade 2 events	2160	2386	2058	2049	2224	10996
	2%	3%	2%	2%	2%	9%
grade 3 events	1036	1048	971	1011	995	2085
	1%	1%	1%	1%	1%	1%
grade 4 events	934	1041	974	1075	973	2003
	1%	1%	1%	1%	1%	1%
grade 5 events	3480	3610	3315	3914	4095	7487
	4%	4%	3%	4%	4%	6%
grade 6 events	1866	2075	1669	1763	2143	26661
	2%	2%	1%	2%	2%	22%
grade 7 events	64992	64046	71849	70466	73411	64863
	82%	81%	84%	82%	83%	55%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	21.060358	21.05363159925042	Alternating exposures requested	N	N
Pointing Dec	-73.174844	-73.14749921628683	Primary exposure time	0.000000	3.2
Pointing Roll	63.550724	63.75294646109221			
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	240274273.184000	240272287.90426			
Observation start date	2005-08-12T22:50:09	2005-08-12T22:18:07			
Observation end time	240284273.184000	240285080.92985			
Observation end date	2005-08-13T01:36:49	2005-08-13T01:51:20			
Read mode	TIMED	TIMED			

2.3 Aspect



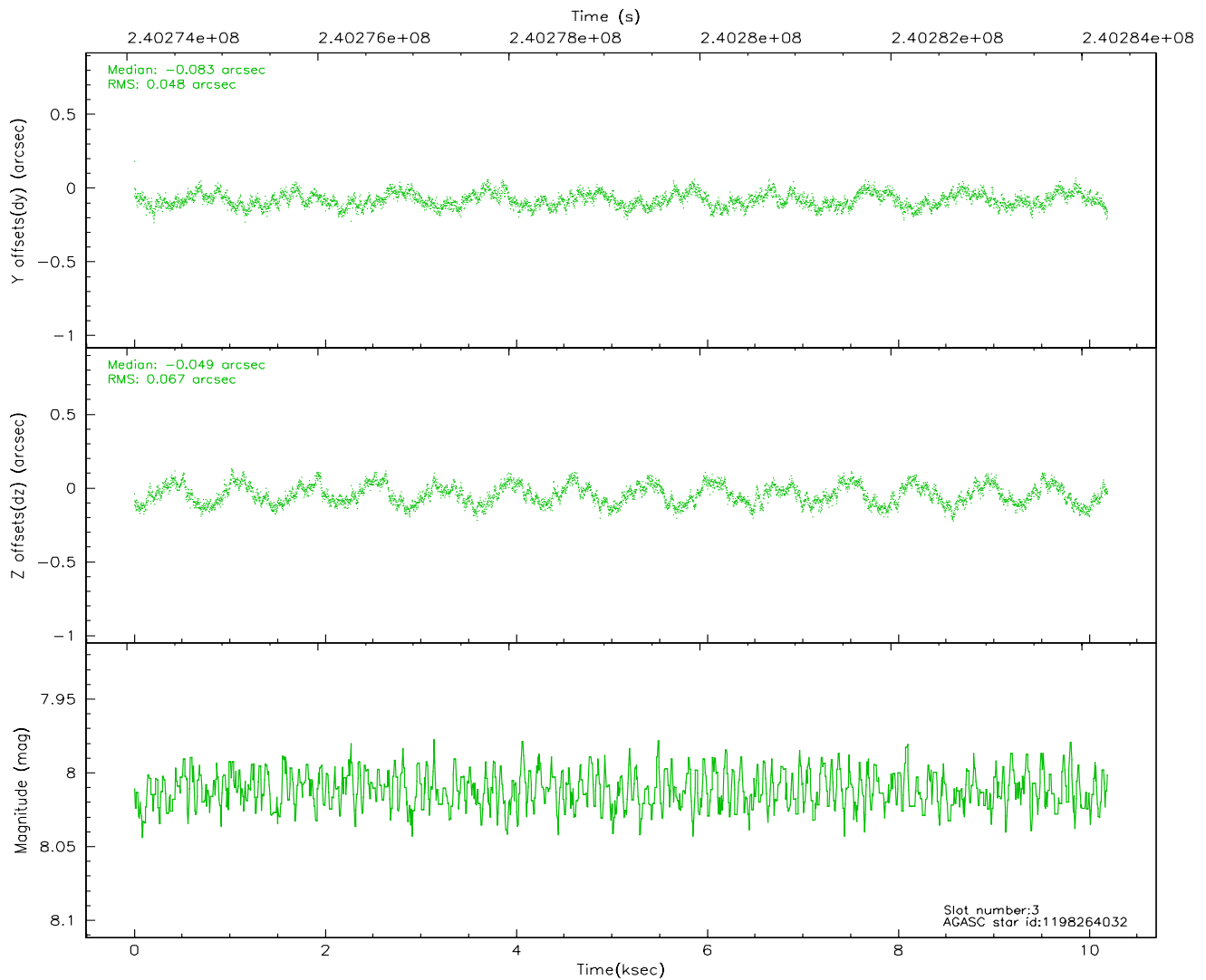
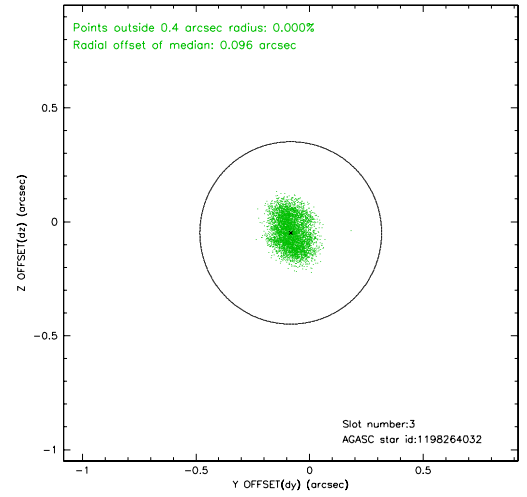
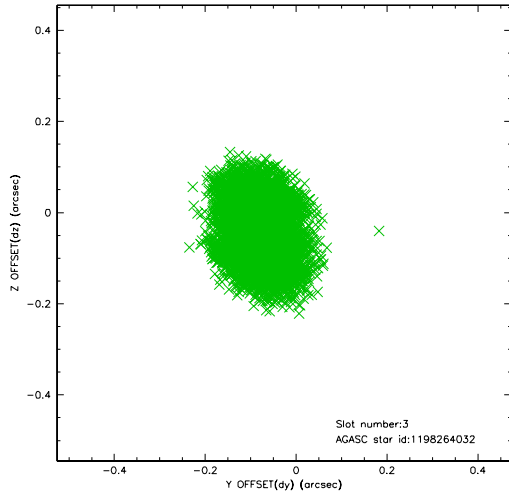


Slot Statistics

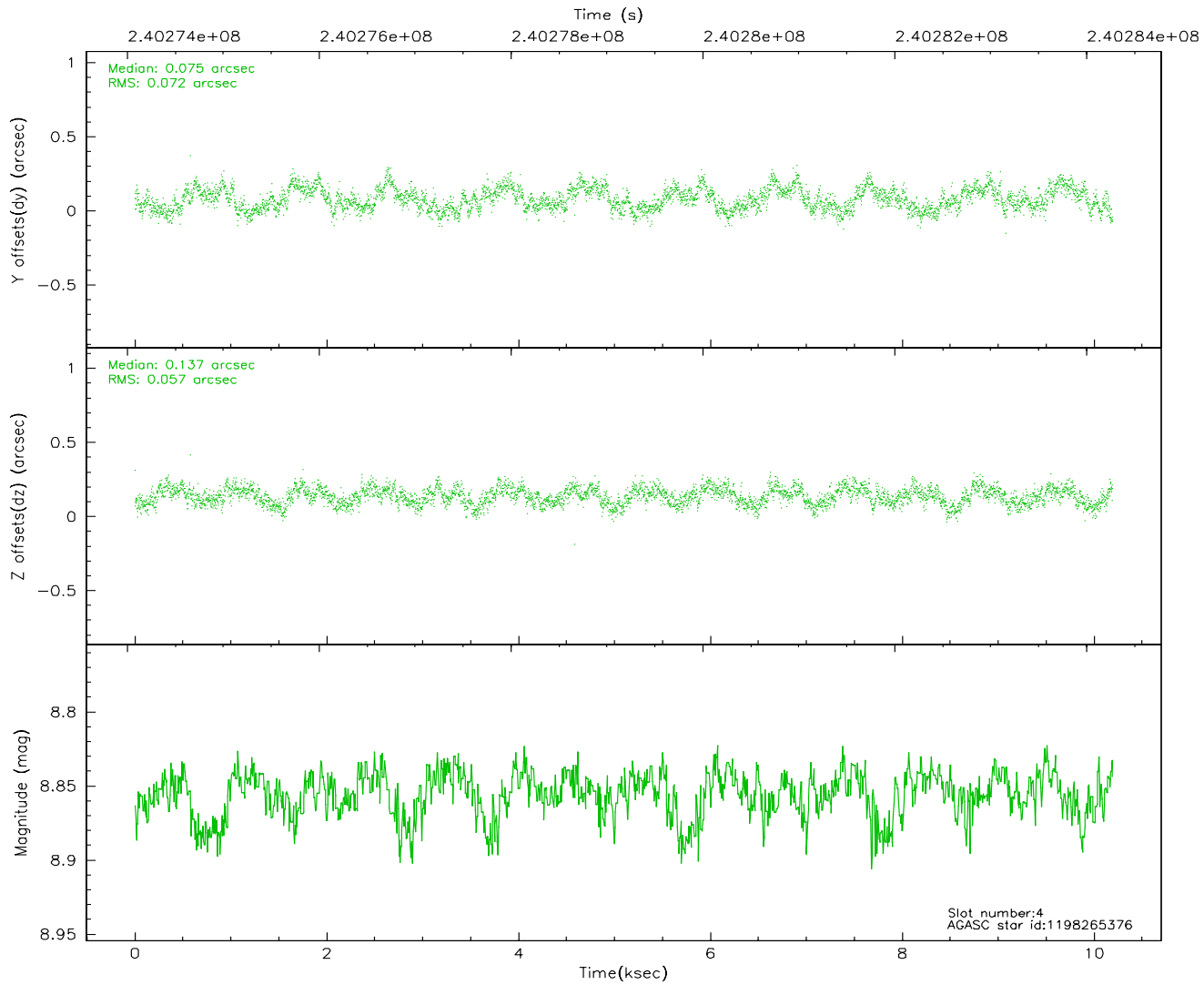
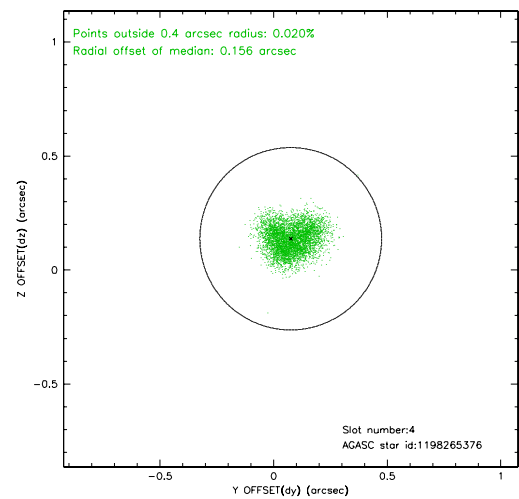
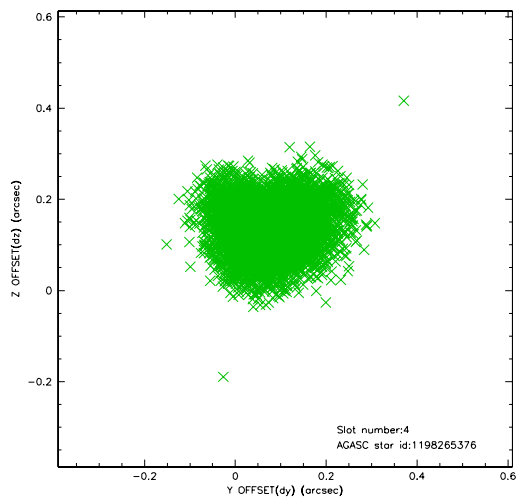
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	2486	-0.008	0.032	0.007	0.013	0.000000	0.000000	932.28	-833.61
1	FID	ACIS-I-5	7.23	2486	-0.138	0.021	0.006	0.011	0.000000	0.000000	-1815.67	1063.62
2	FID	ACIS-I-6	7.25	2486	0.055	0.018	0.007	0.011	0.000000	0.000000	397.33	1708.70
3	GUIDE	1198264032	8.01	4972	-0.083	-0.049	0.091	0.134	22.563131	-73.173817	683.12	-1408.88
4	GUIDE	1198265376	8.85	4967	0.075	0.137	0.099	0.152	21.649225	-72.748973	1650.57	118.30
5	GUIDE	1198269920	8.26	4962	-0.133	-0.074	0.089	0.129	20.316466	-73.033728	102.82	923.64
6	GUIDE	1198272400	9.18	4970	0.016	0.105	0.111	0.161	20.411923	-73.620598	-1732.94	-126.82
7	GUIDE	1198263448	8.72	4970	0.125	-0.117	0.092	0.151	23.988893	-72.831877	2423.32	-2269.11

2.4 Star Slots

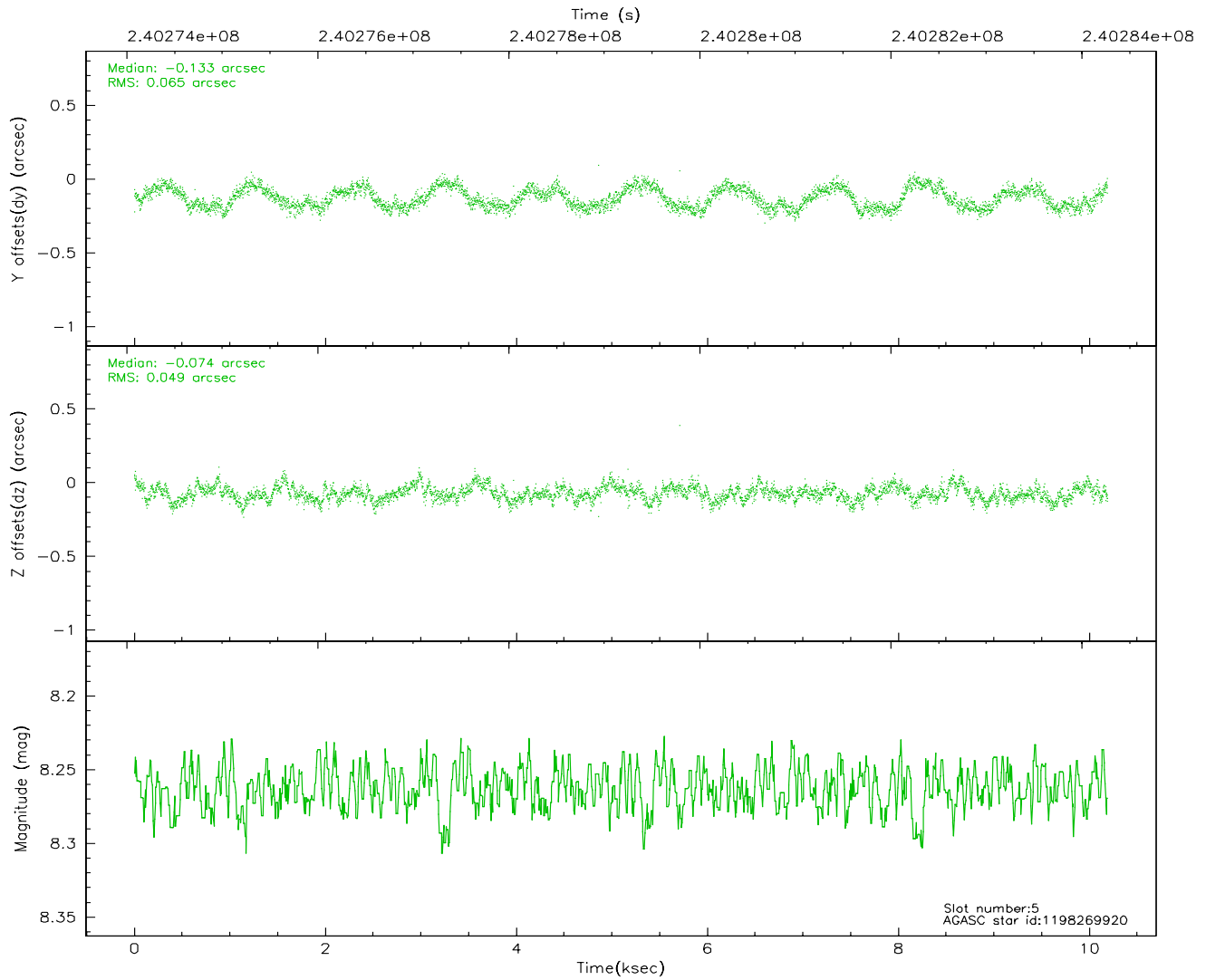
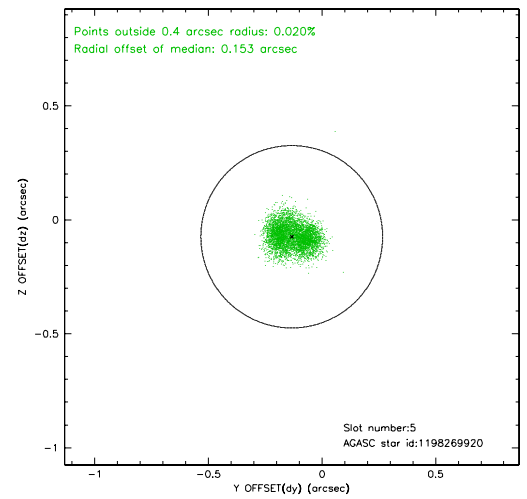
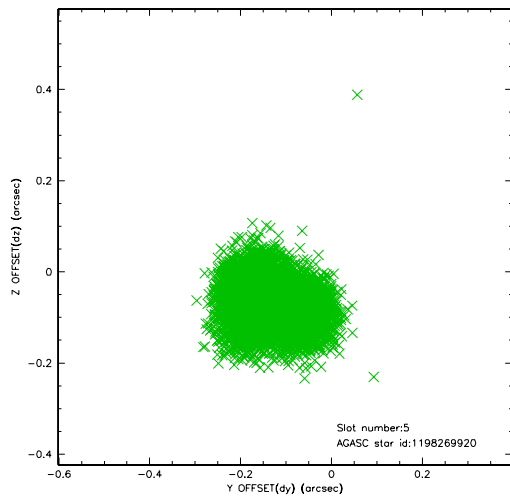
2.4.1 Slot 3



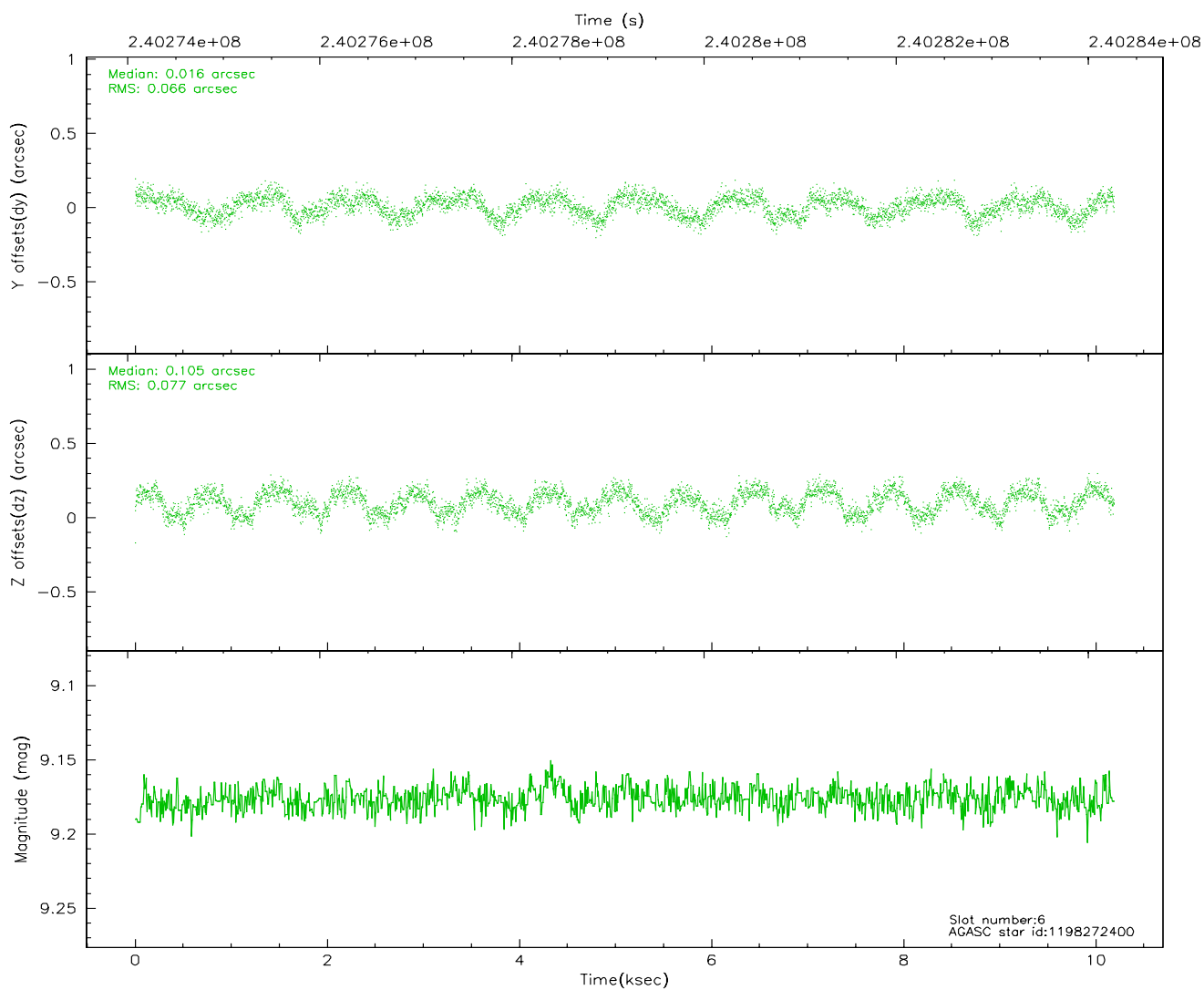
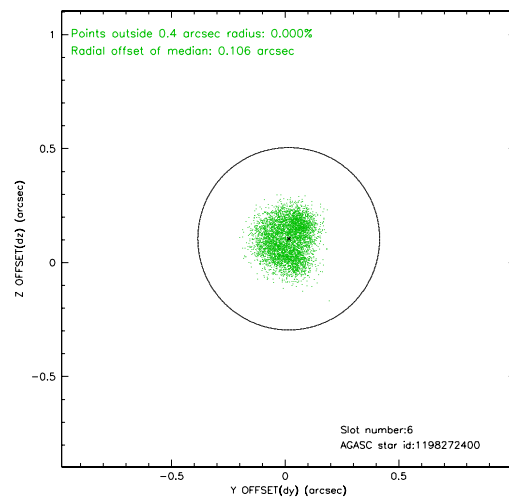
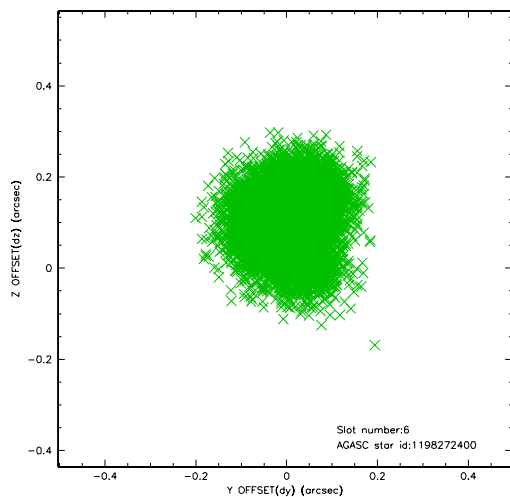
2.4.2 Slot 4



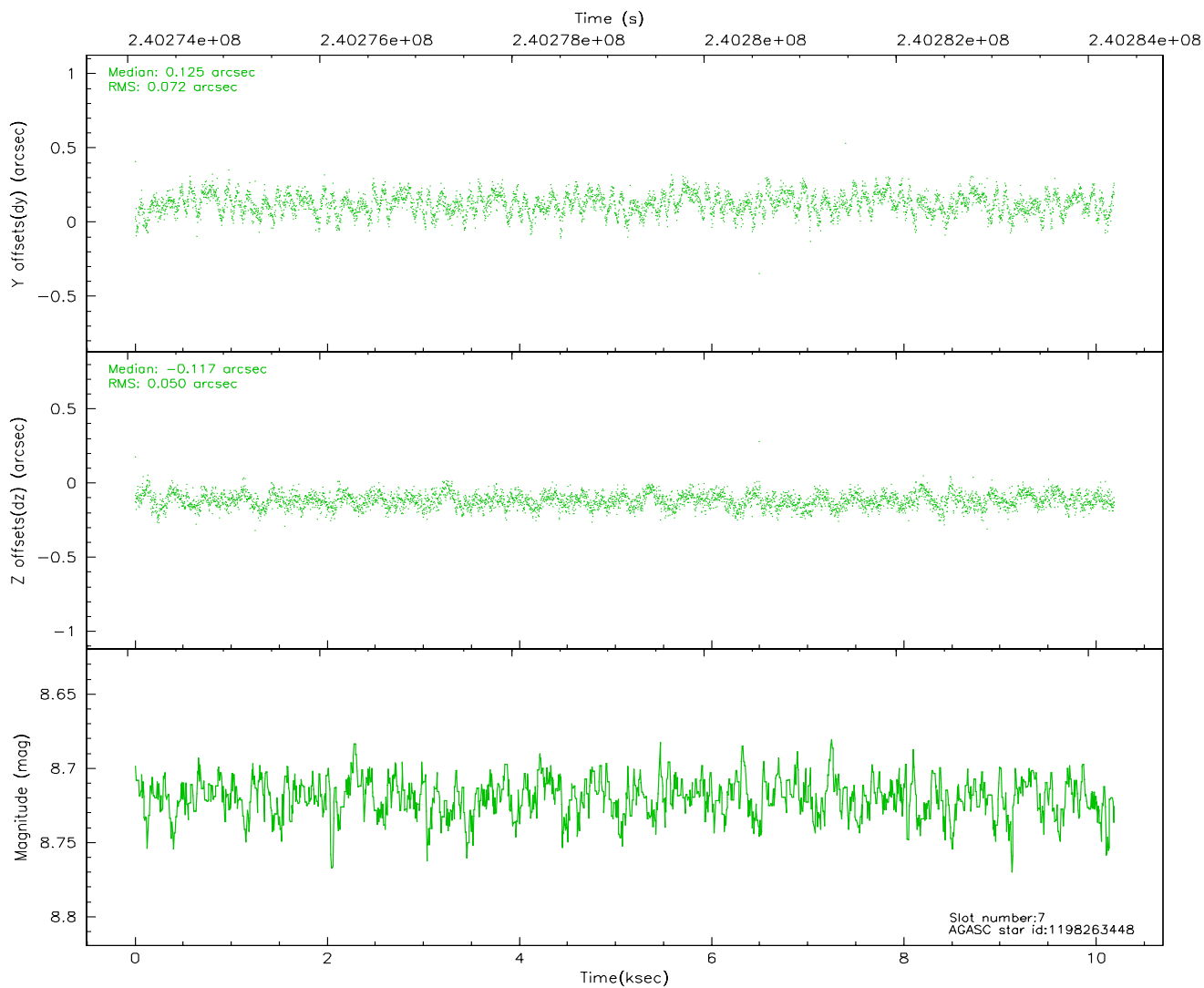
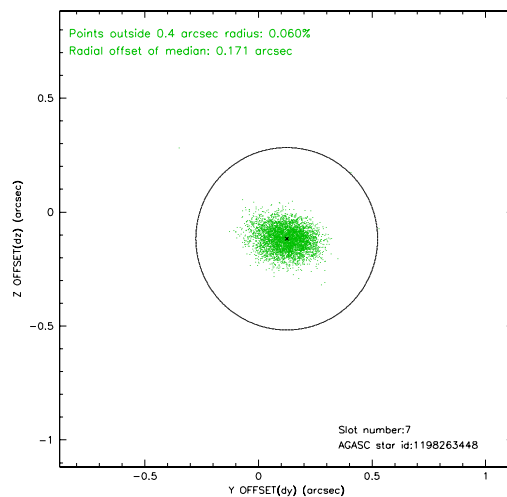
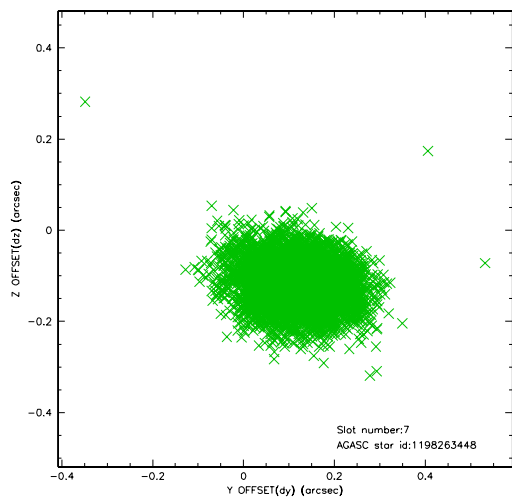
2.4.3 Slot 5



2.4.4 Slot 6

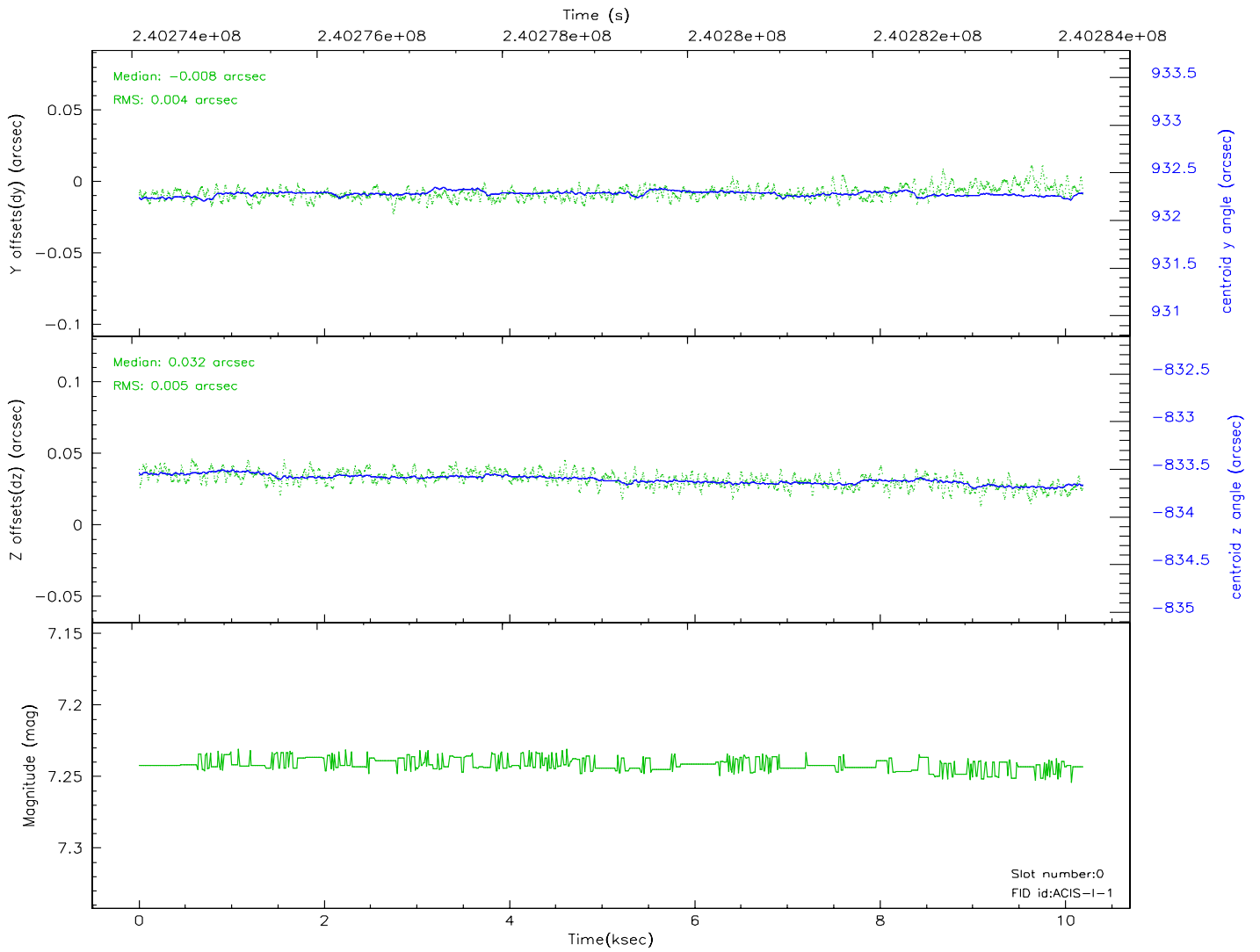
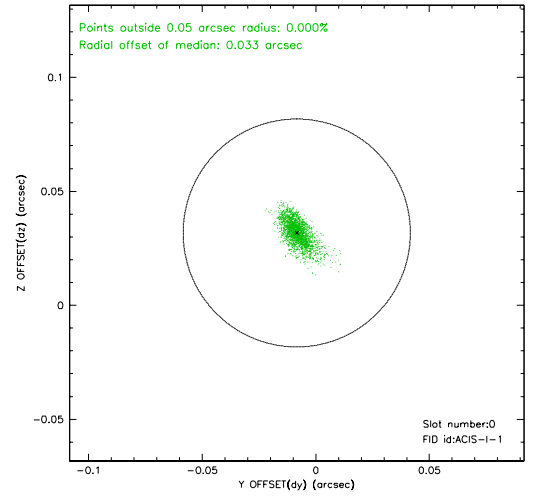
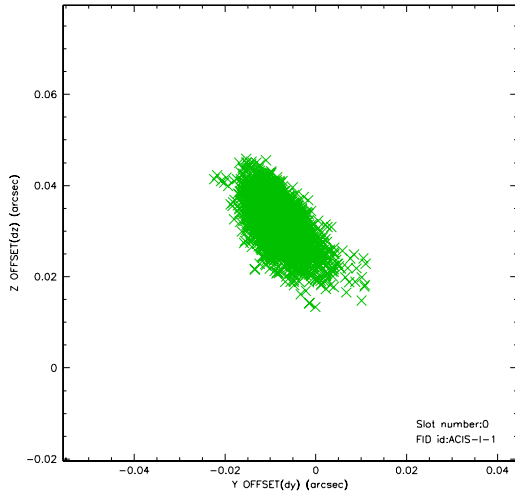


2.4.5 Slot 7

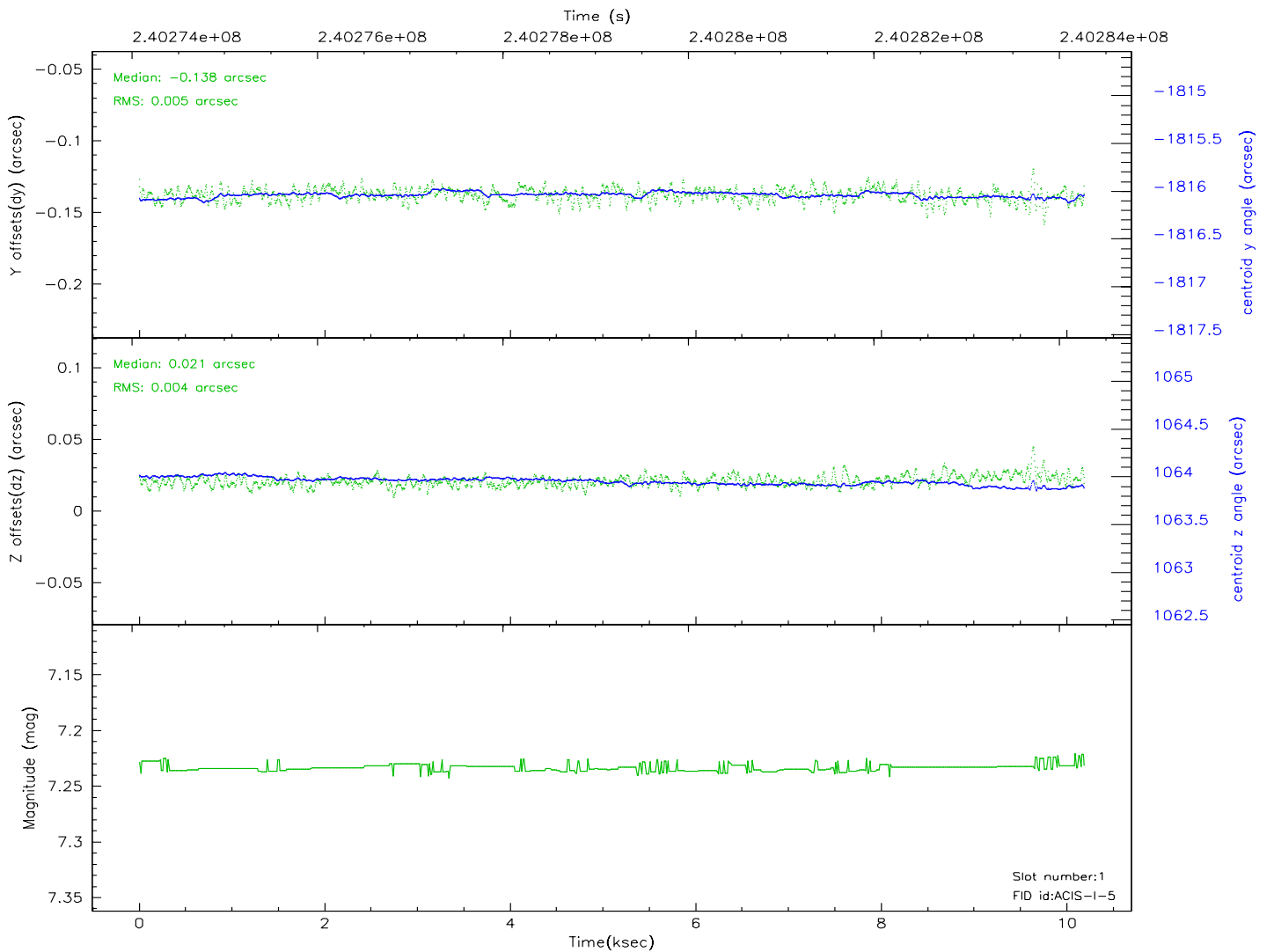
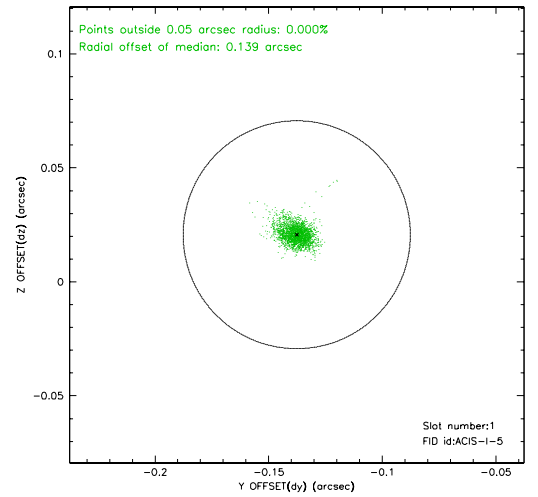
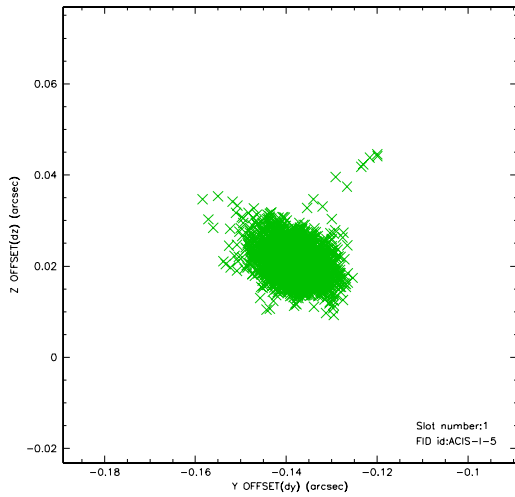


2.5 FID Slots

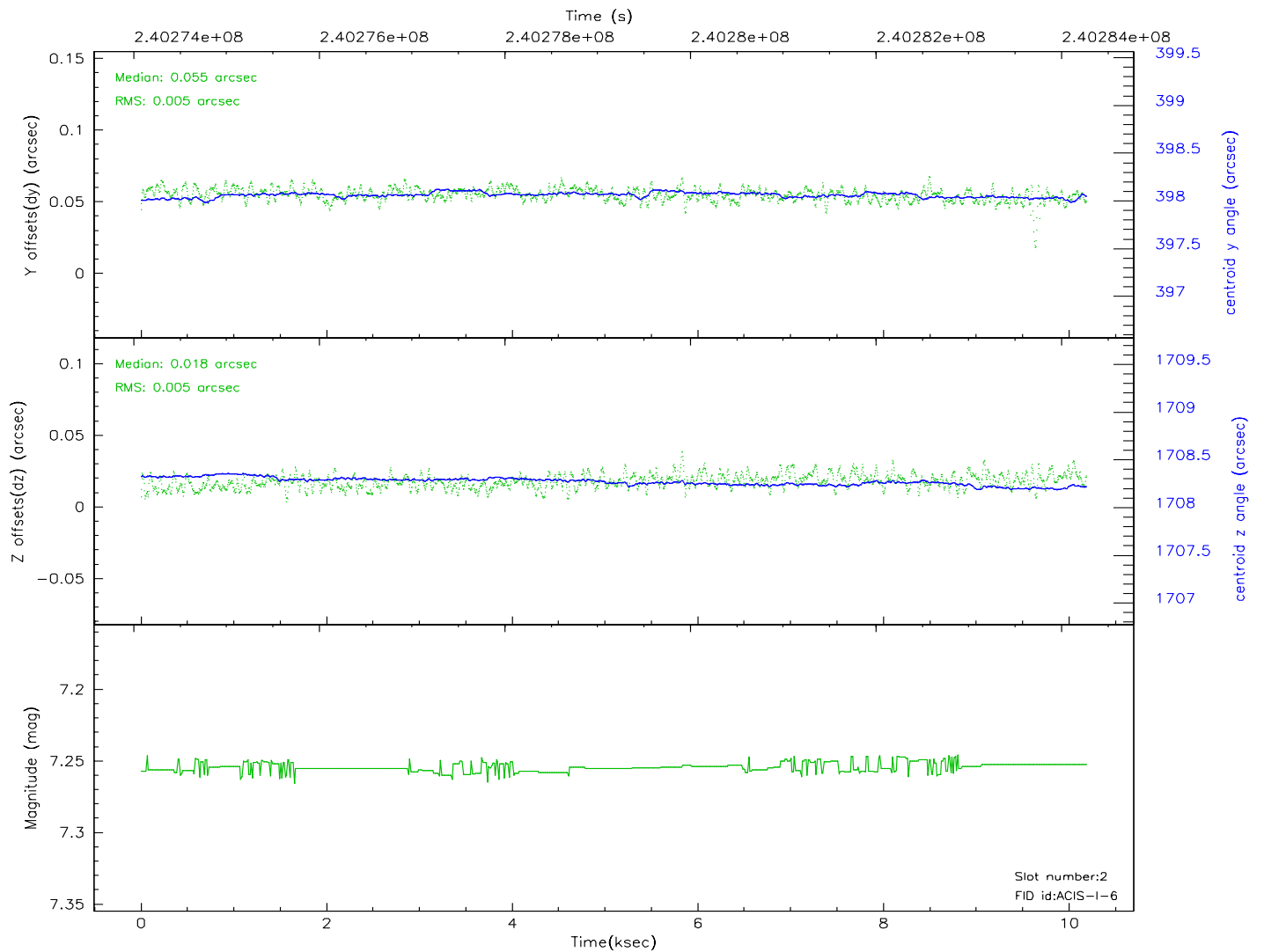
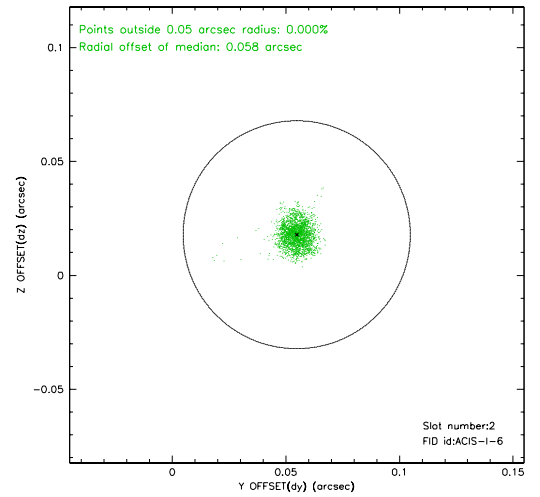
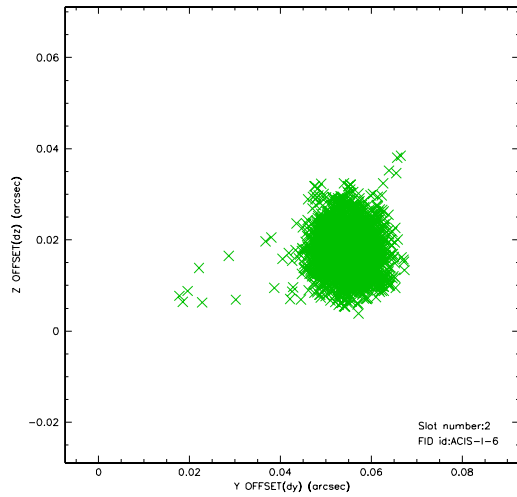
2.5.1 Slot 0



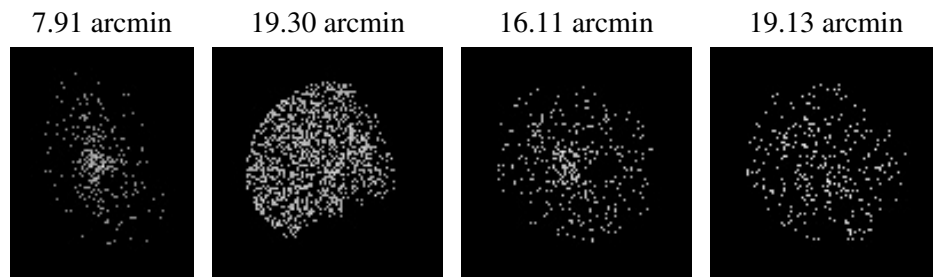
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.04.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.1855999

A.2 Comments

Charge time:

New charge time is less than charge time used in previously distributed version

NEW CHARGE TIME = 10.185600 ks, 1 Obis

PREVIOUS CHARGE TIME = 11.725970 ks, 1 Obis.