

V&V Reference Report

L2 ASCDS Version : 7.6.11

Observation 1314 - L2 Version 2
Chandra X-Ray Center

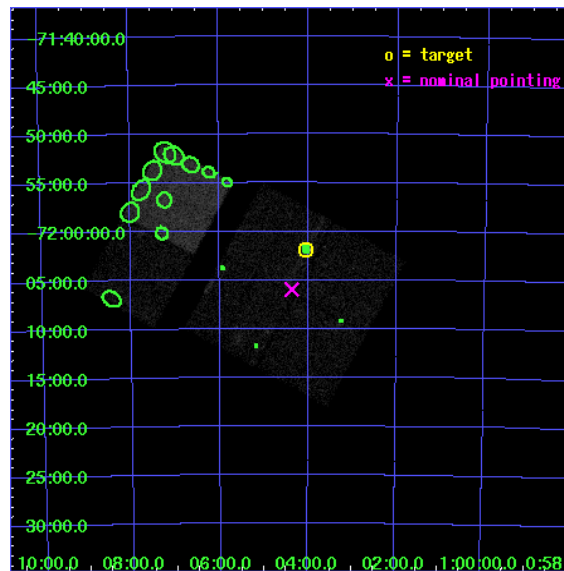
L2 Processing Date : Jul 13 2007

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

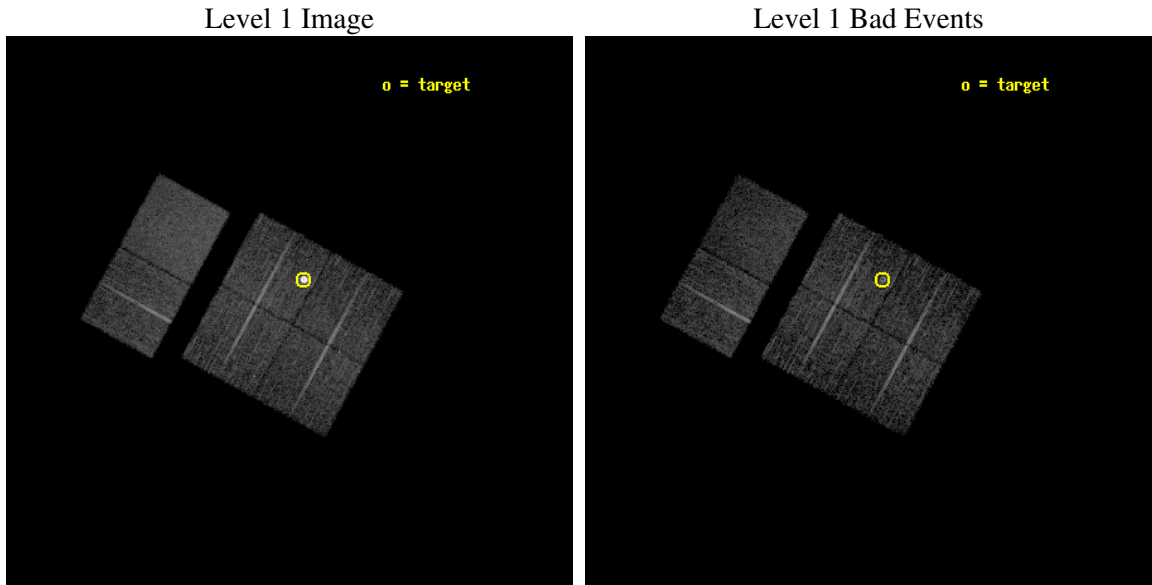
seq_num	590128
obs_id	1314
title	ACIS CALIBRATION OBSERVATION OF THE SUPERNOVA REMNANT E0102-72 (DEC 2000)
observer	Dr. CXC Calibration
object	E0102-72.3 [Chip I3, T=120, Offsets=-4,0,0]
dtcycle	0
cycle	P
ra_targ	16.01
dec_targ	-72.032028
ra_nom	16.090845159302
dec_nom	-72.099522969951
roll_nom	298.68309981058
revision	2
ontime	6953.600006476
livetime	6865.5493362388
ontime0	6953.600006476
ontime1	6953.600006476
ontime2	6953.600006476
ontime3	6953.600006476
ontime6	6953.600006476
ontime7	6953.600006476
l2events	68875



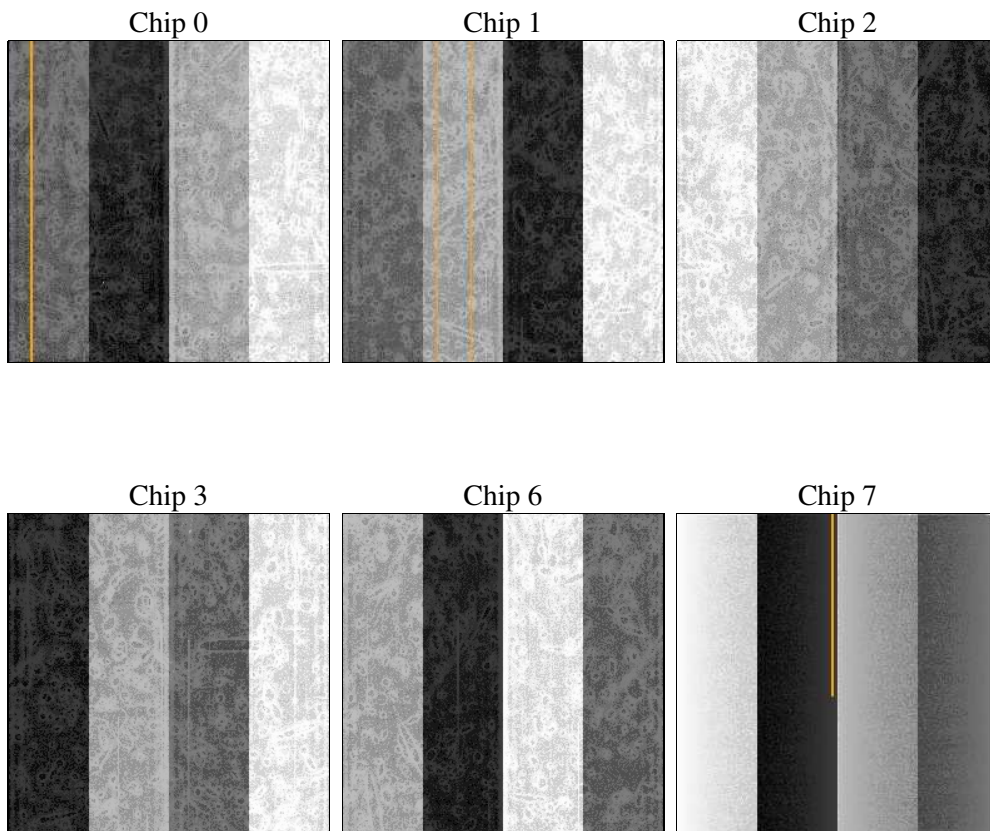
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.11
caldbver	3.4.0
date	2007-07-13T16:58:46
revision	2

sched_exp_time	7200.000000
ontime	6953.600006476
ontime0	6953.600006476
ontime1	6953.600006476
ontime2	6953.600006476
ontime3	6953.600006476
ontime6	6953.600006476
ontime7	6953.600006476
l1events	280892

2.1.4 Events

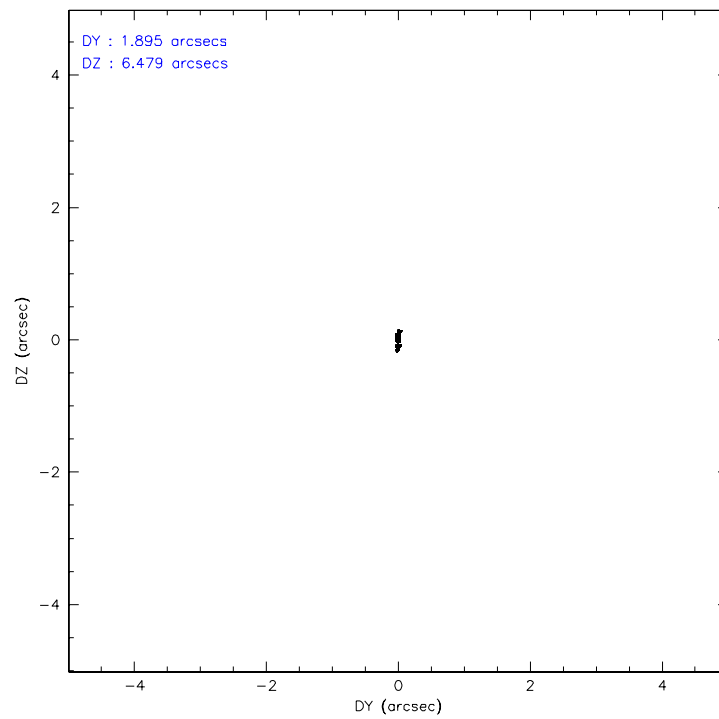
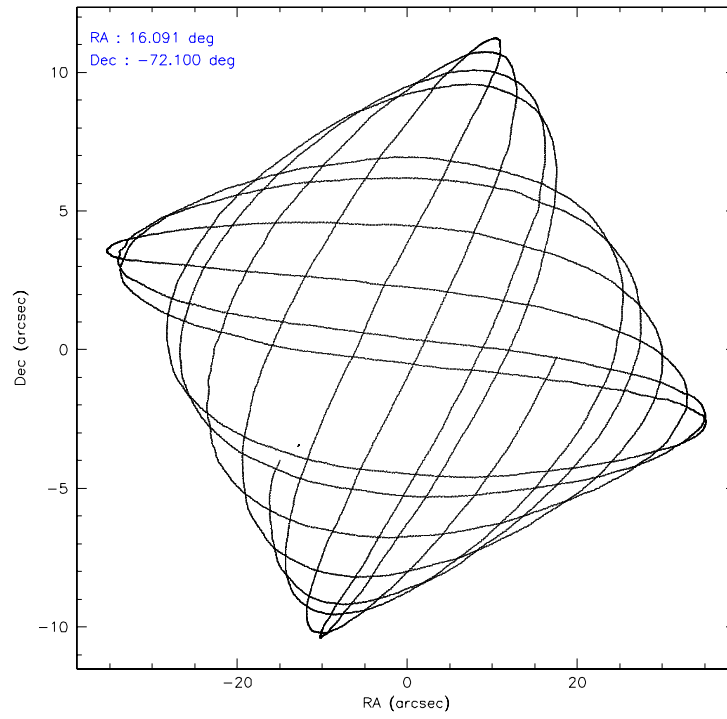
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	37536	37235	41599	69054	42619	52849
rejected events	32400	31899	36233	38460	37781	31150
rejected %	86%	85%	87%	55%	88%	58%

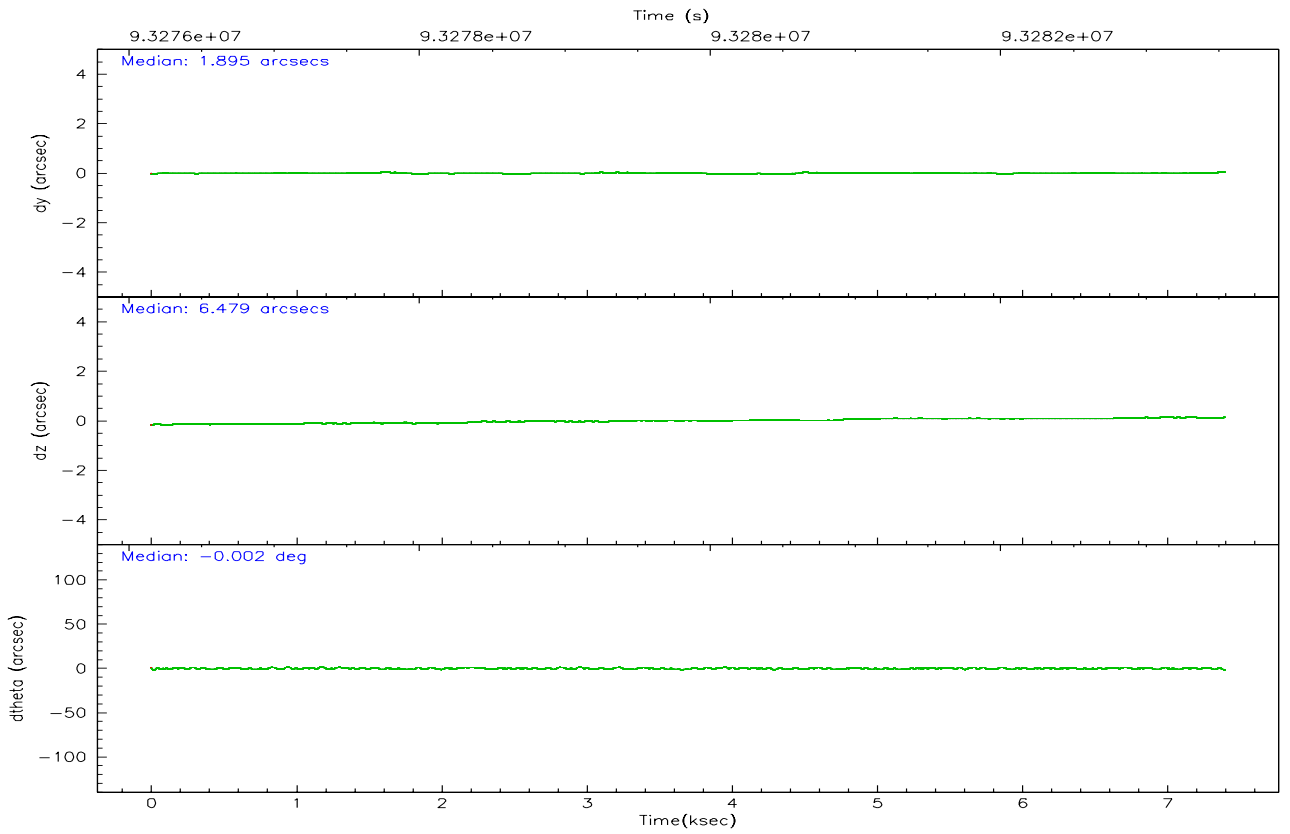
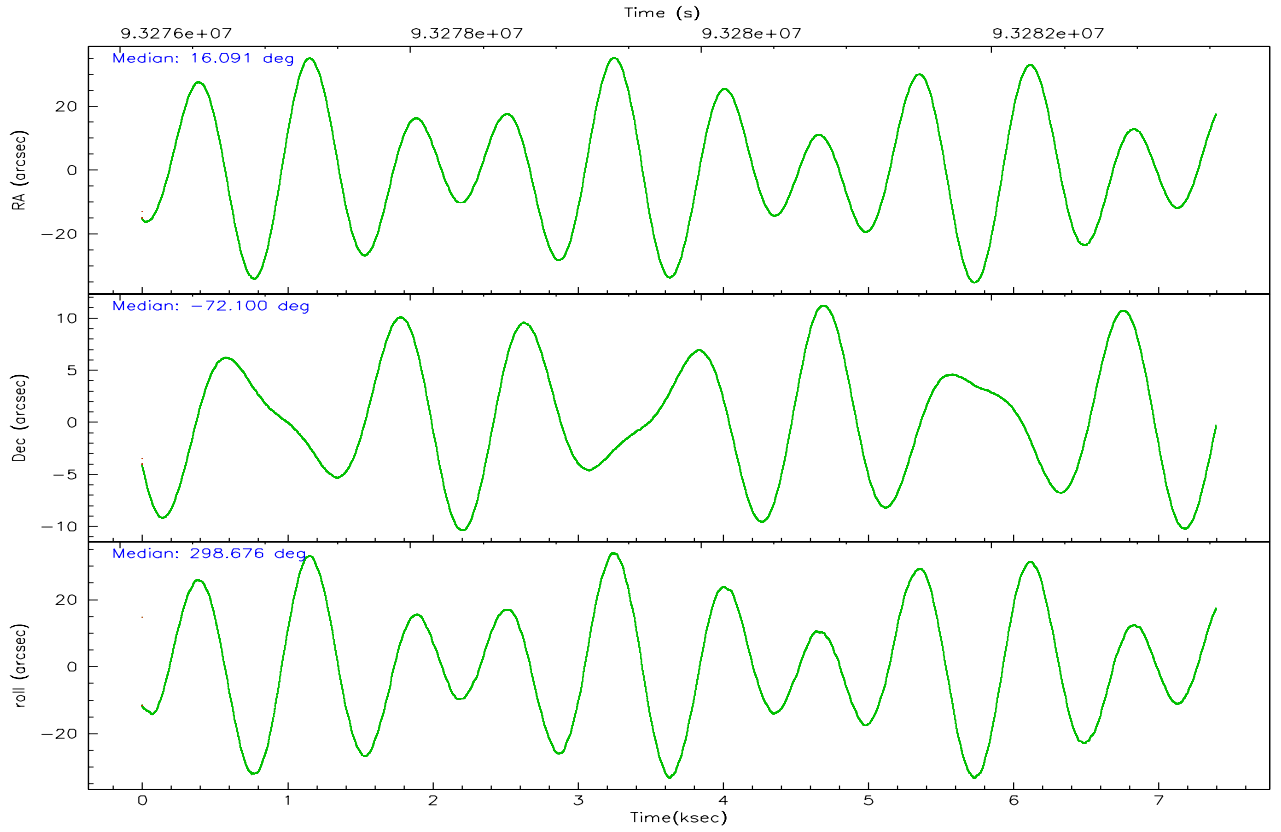
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2411	2271	2674	25114	1949	2063
	6%	6%	6%	36%	4%	3%
grade 1 events	24	18	22	234	22	51
	0%	0%	0%	0%	0%	0%
grade 2 events	965	1094	1051	2757	948	4196
	2%	2%	2%	3%	2%	7%
grade 3 events	472	528	433	895	531	2004
	1%	1%	1%	1%	1%	3%
grade 4 events	469	498	450	897	456	1983
	1%	1%	1%	1%	1%	3%
grade 5 events	1462	1573	1407	1703	1857	5146
	3%	4%	3%	2%	4%	9%
grade 6 events	825	955	763	969	958	11475
	2%	2%	1%	1%	2%	21%
grade 7 events	30908	30298	34799	36485	35898	25931
	82%	81%	83%	52%	84%	49%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	16.014561	16.09084515930183	Subarray requested	NONE	NONE
Pointing Dec	-72.085078	-72.09952296995064	Alternating exposures requested	N	N
Pointing Roll	298.401834	298.6830998105777	Primary exposure time	0.000000	3.2
Window start time	92016064.184000	92016064.184000			
Window stop time	94608064.184000	94608064.184000			
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	93276347.184000	93275971.84699			
Observation start date	2000-12-15T14:04:43	2000-12-15T13:59:31			
Observation end time	93283547.184000	93283681.897285			
Observation end date	2000-12-15T16:04:43	2000-12-15T16:08:01			
Read mode	TIMED	TIMED			

2.3 Aspect



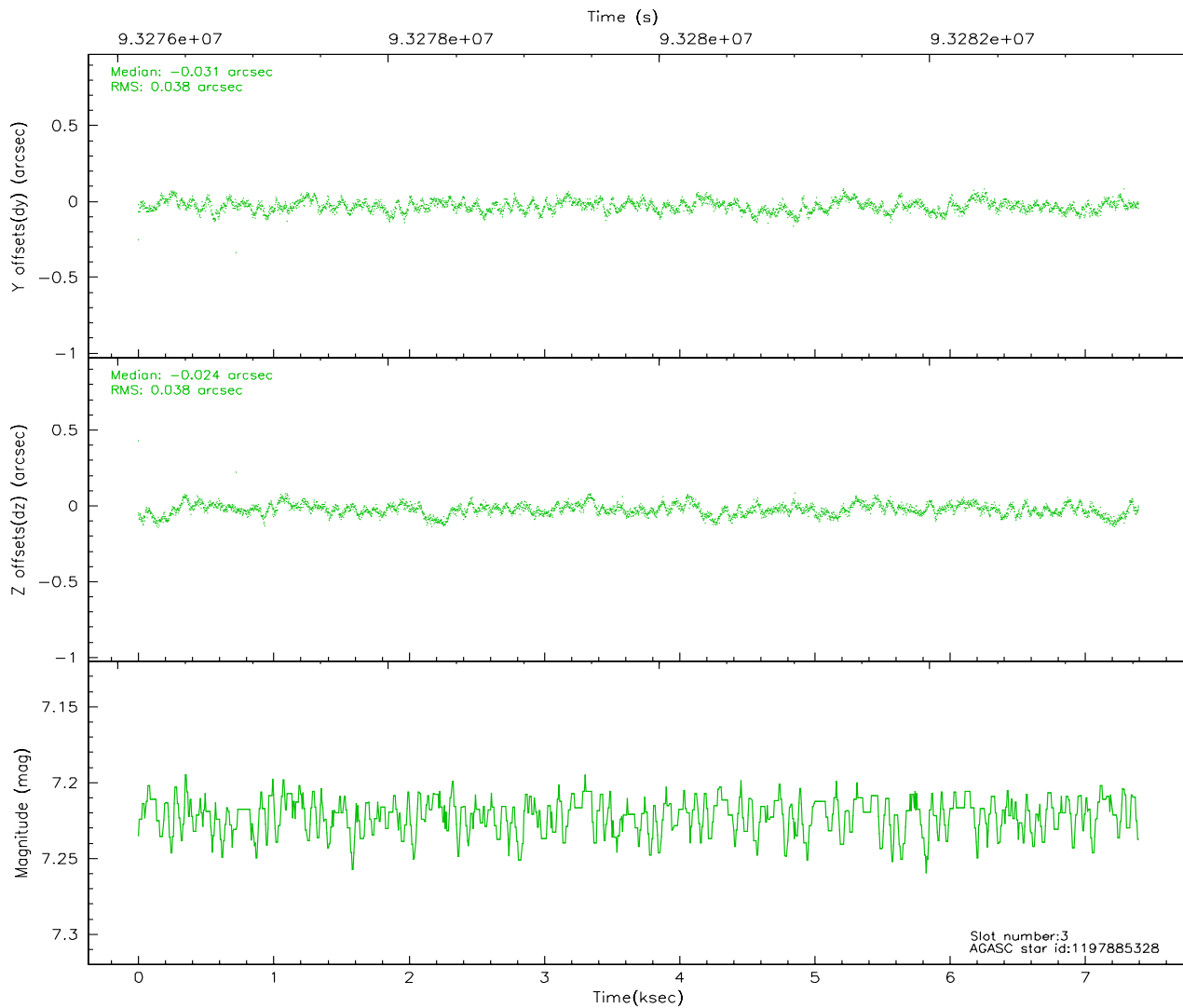
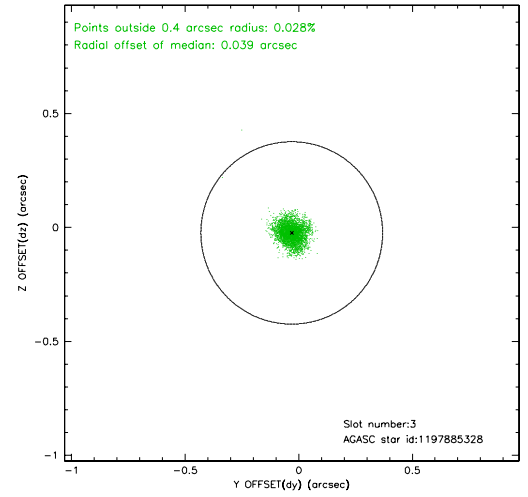
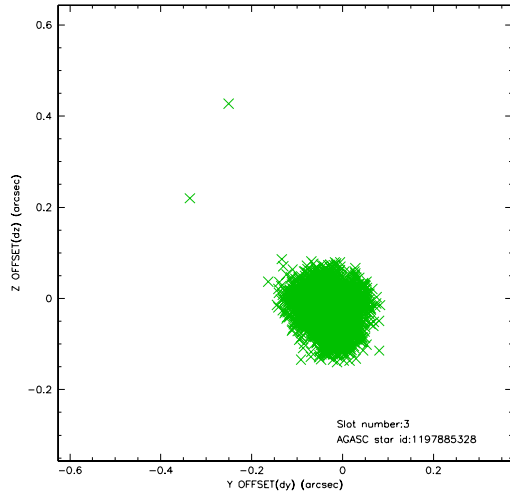


Slot Statistics

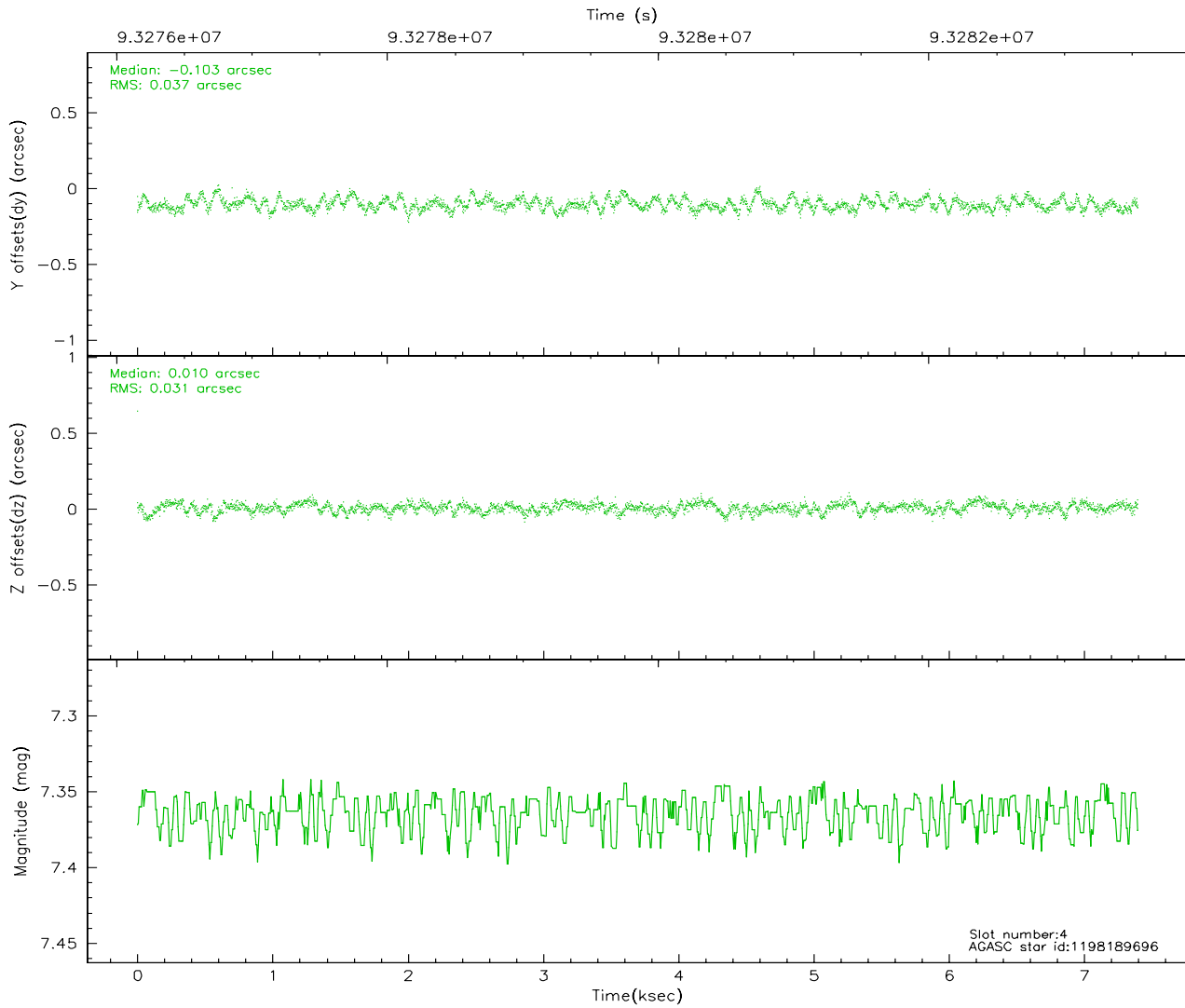
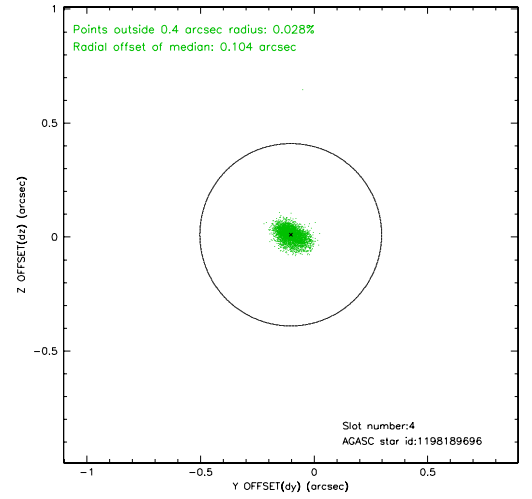
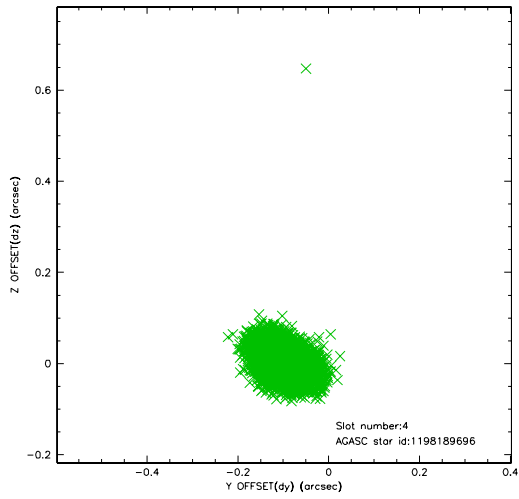
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	1805	-0.023	-0.052	0.009	0.014	0.000000	0.000000	-756.26	-836.28
1	FID	ACIS-I-4	7.18	1804	-0.070	0.036	0.005	0.009	0.000000	0.000000	2157.39	1069.61
2	FID	ACIS-I-5	7.23	1804	-0.008	0.085	0.008	0.013	0.000000	0.000000	-1809.09	1068.37
3	GUIDE	1197885328	7.22	3609	-0.031	-0.024	0.057	0.091	16.283090	-71.733943	-968.14	867.06
4	GUIDE	1198189696	7.36	3610	-0.103	0.010	0.050	0.083	15.223750	-72.697522	1540.72	-1796.10
5	GUIDE	1197750936	7.56	3610	-0.045	-0.065	0.053	0.083	15.387940	-71.549550	-2032.56	286.05
6	GUIDE	1197884536	8.50	3608	0.051	0.040	0.060	0.102	17.160729	-71.835289	-169.92	1553.08
7	GUIDE	1197884712	8.29	3609	0.127	0.044	0.053	0.086	16.087398	-72.252690	568.18	-216.54

2.4 Star Slots

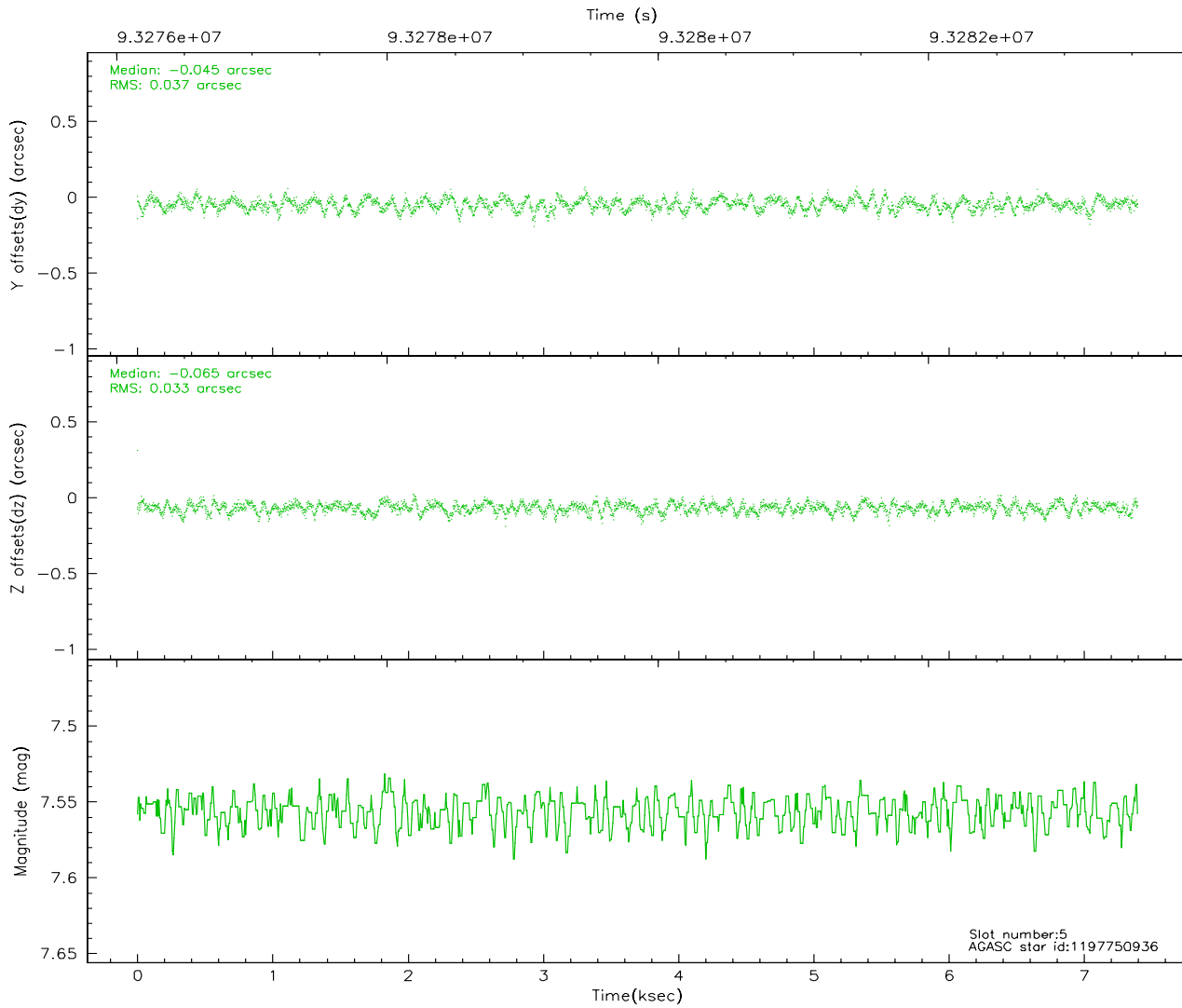
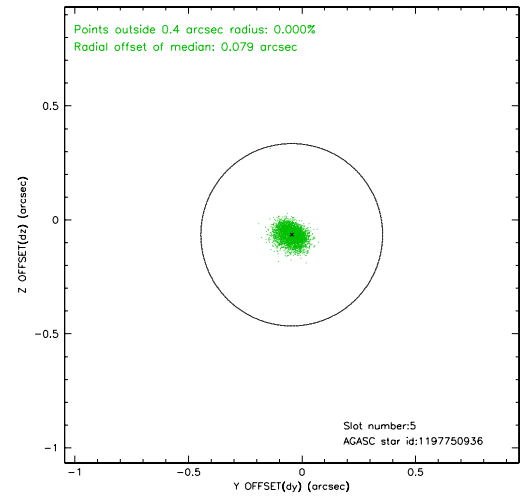
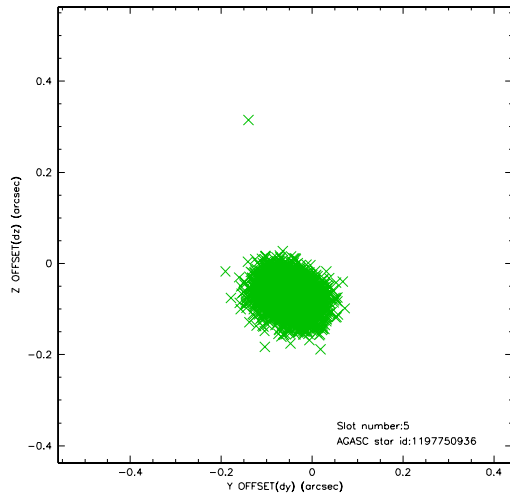
2.4.1 Slot 3



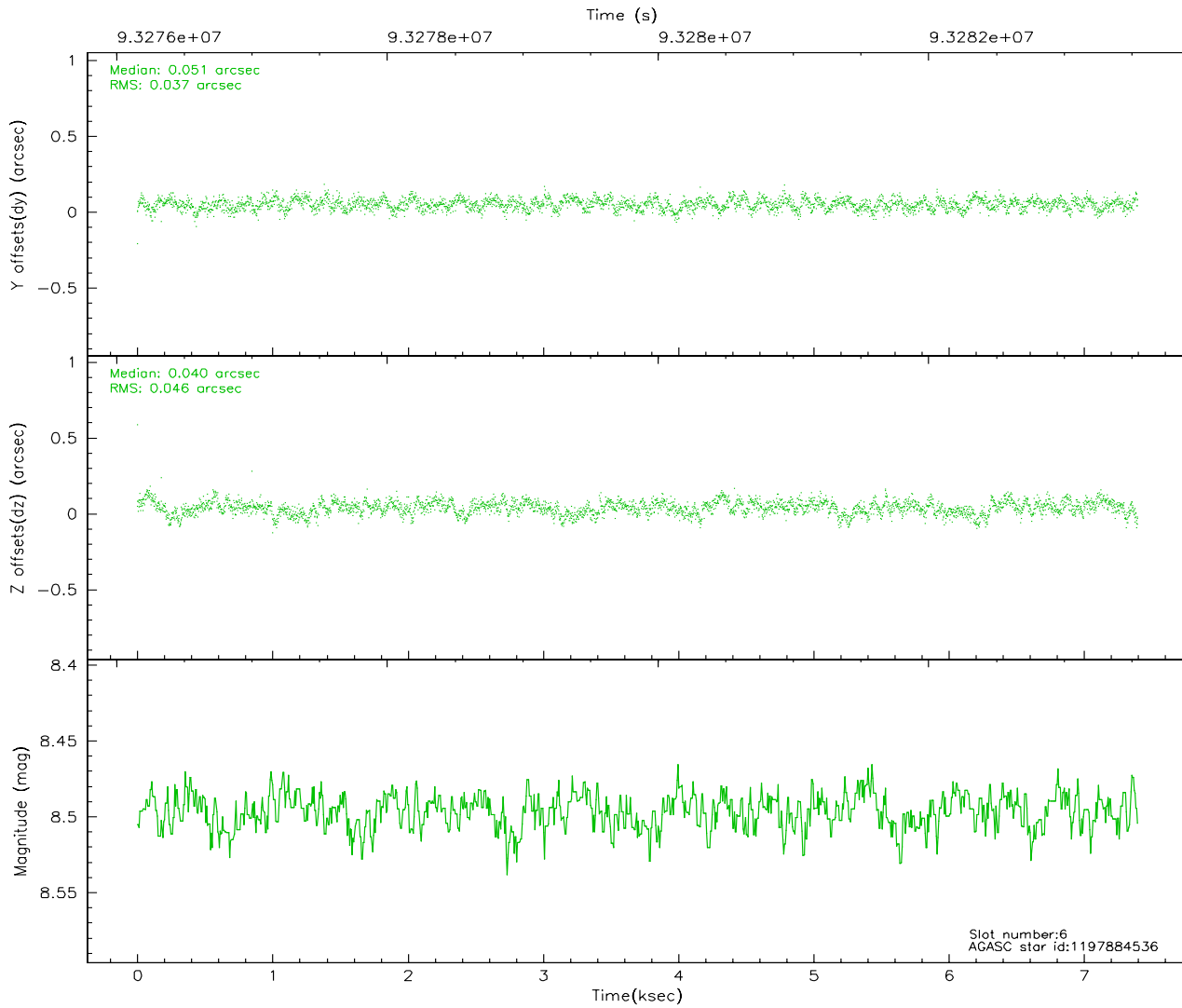
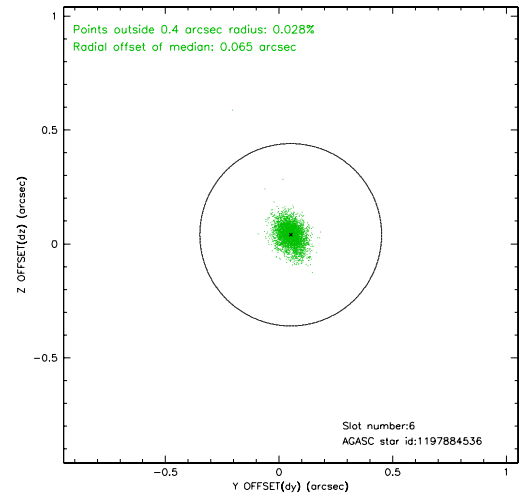
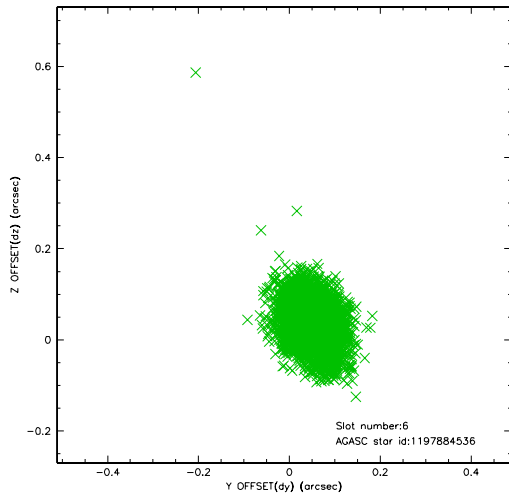
2.4.2 Slot 4



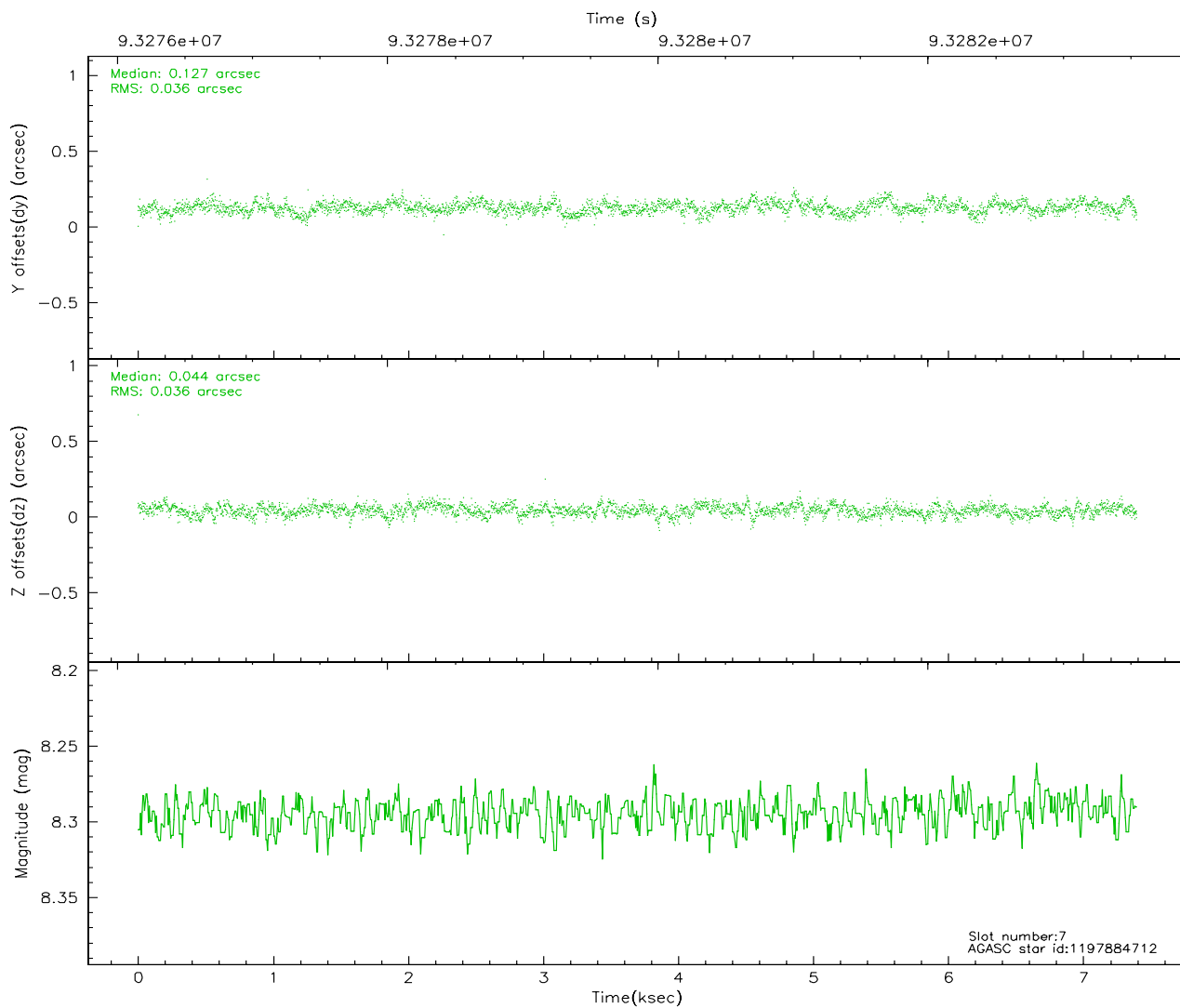
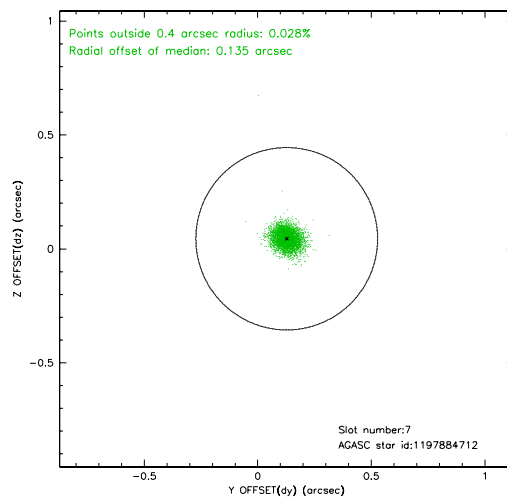
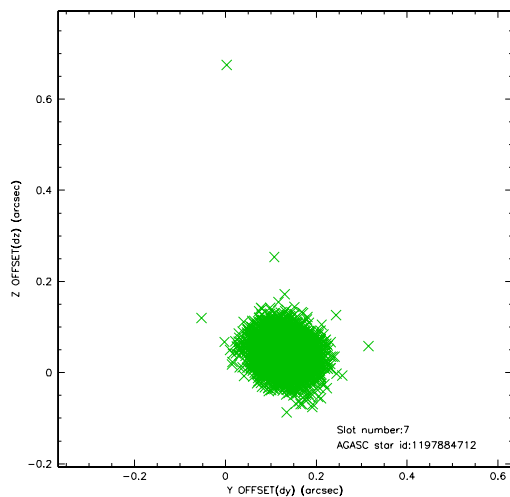
2.4.3 Slot 5



2.4.4 Slot 6

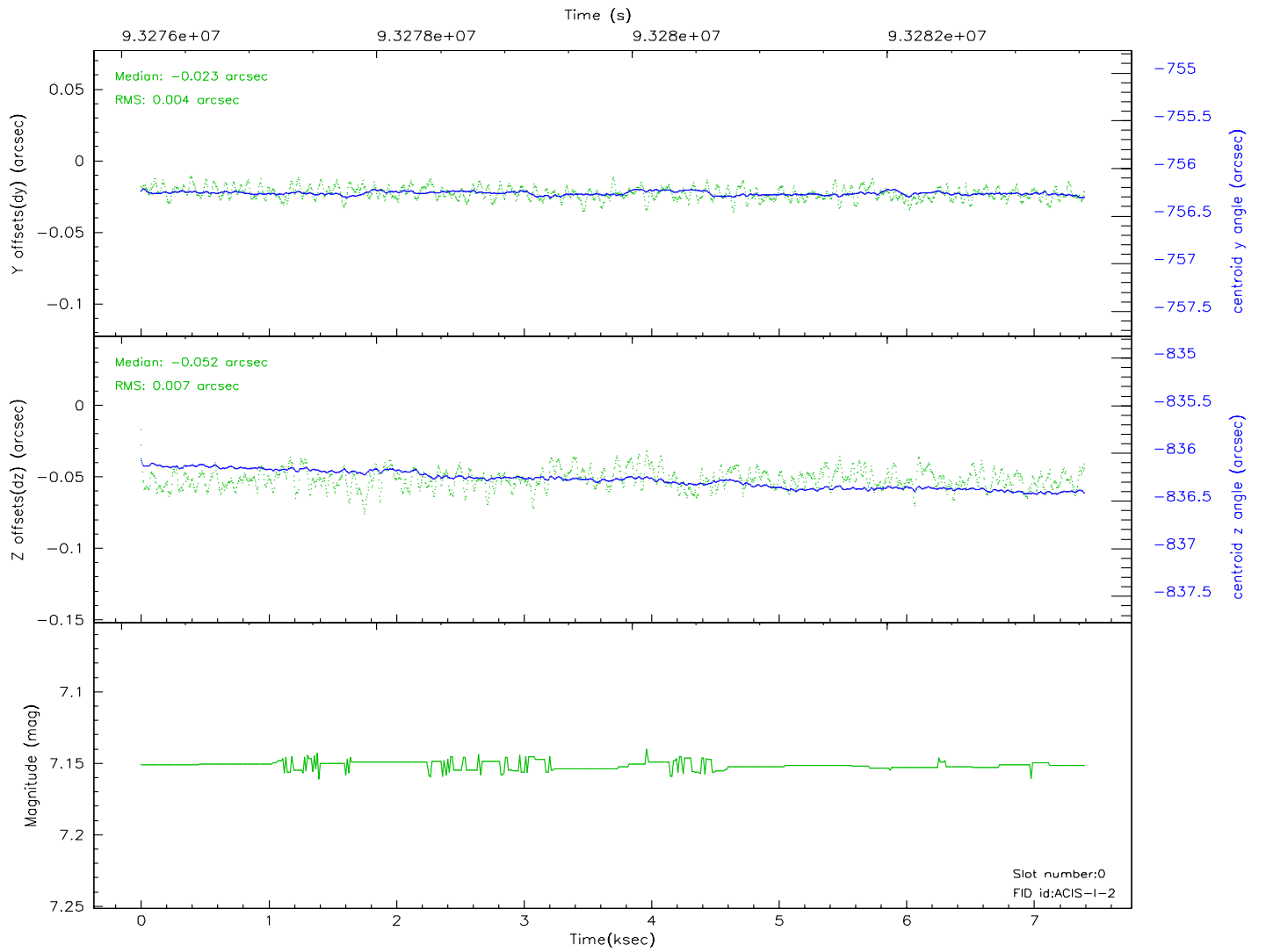
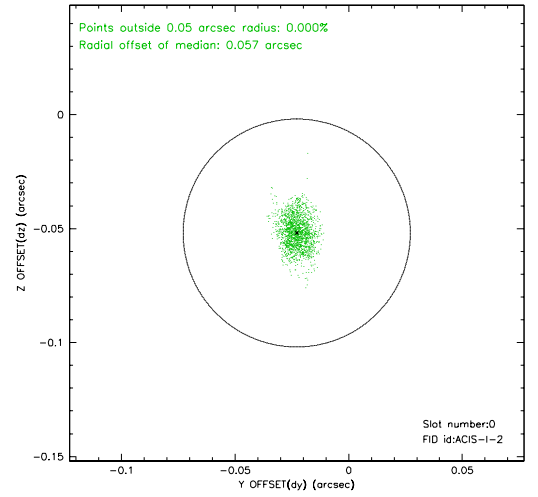
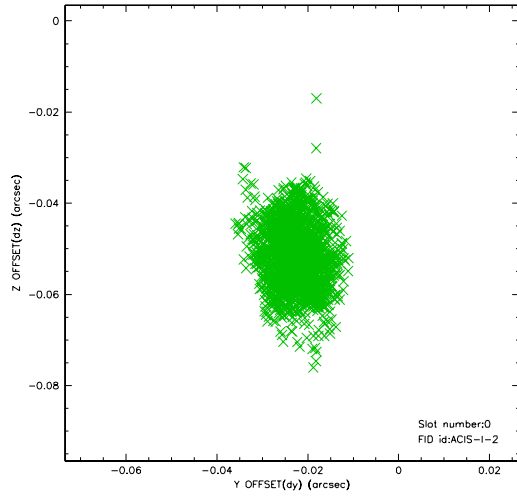


2.4.5 Slot 7

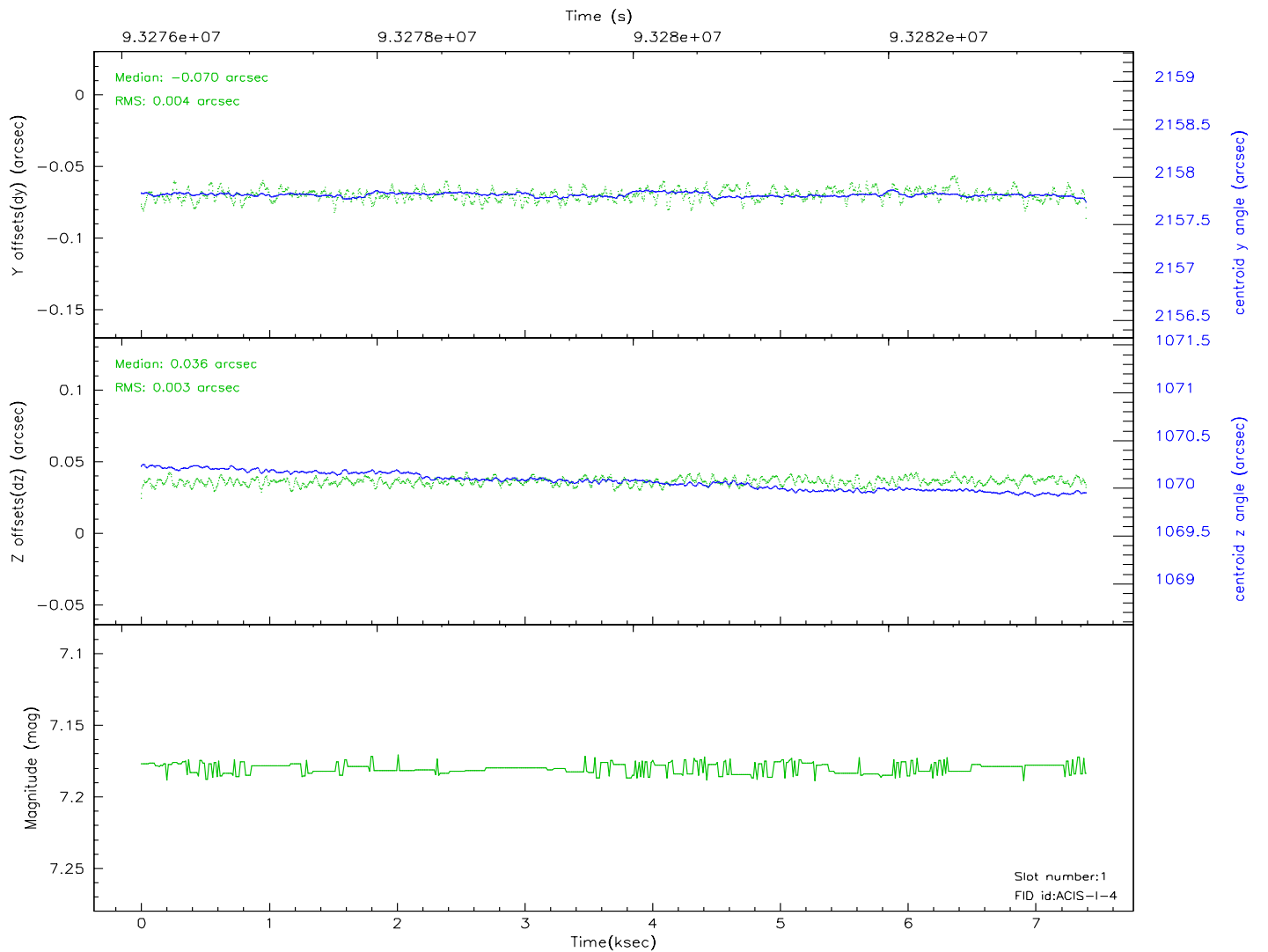
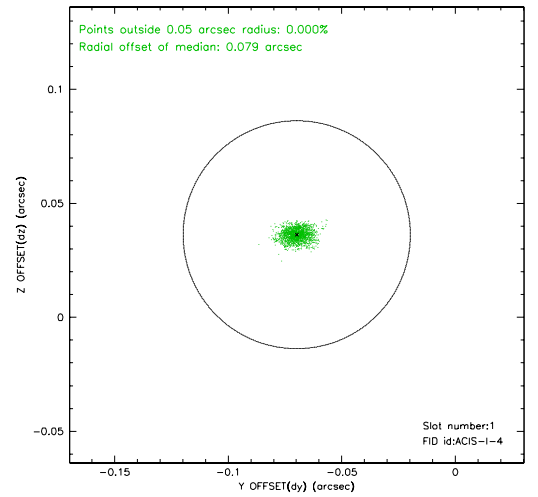
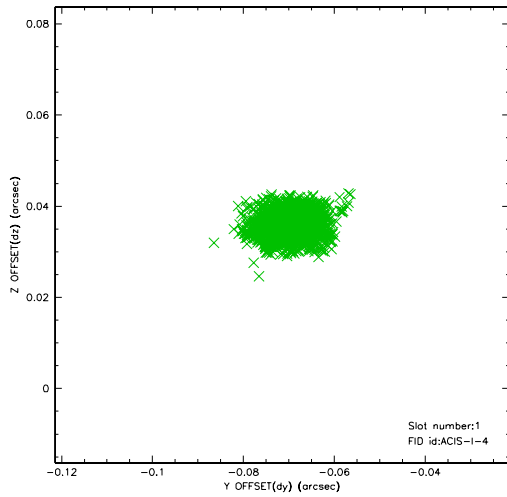


2.5 FID Slots

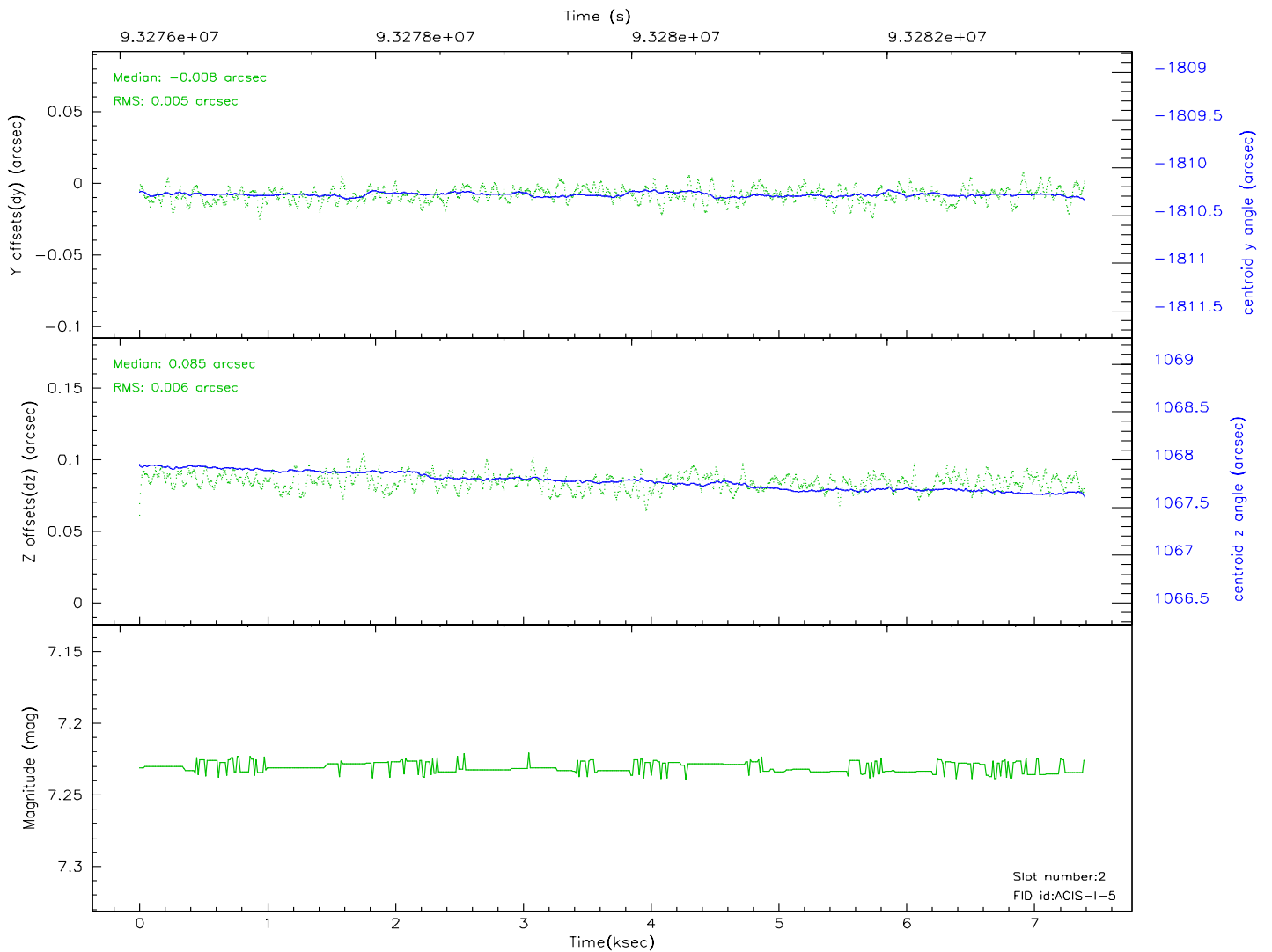
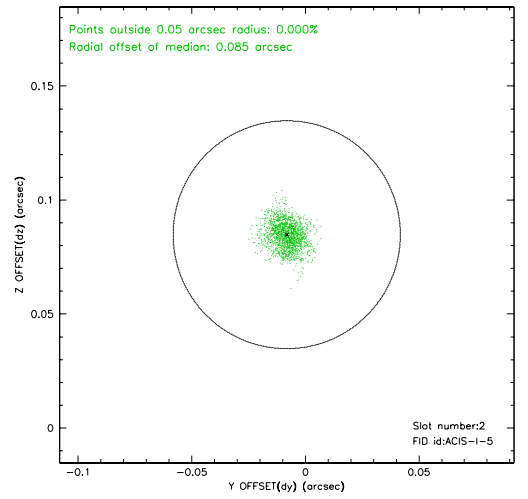
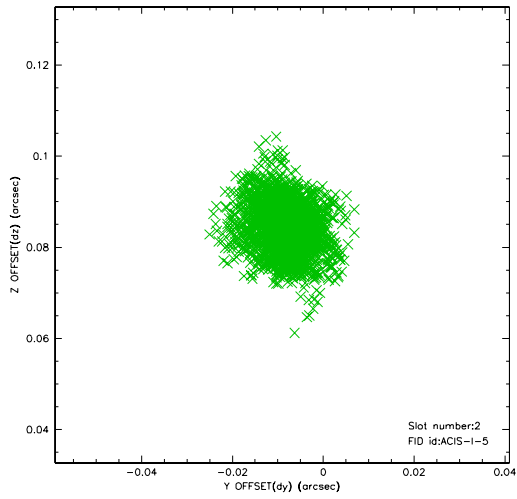
2.5.1 Slot 0



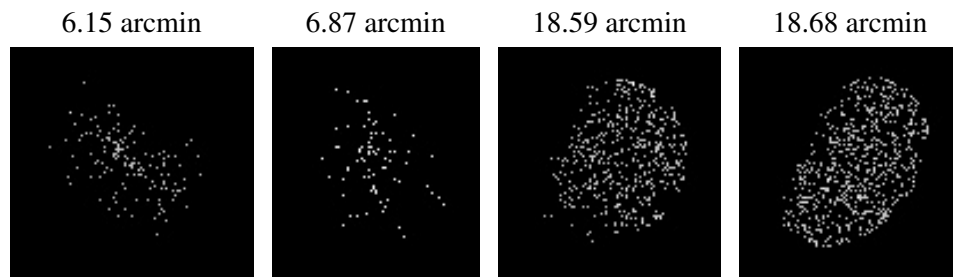
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.10.01
V&V Edition	2
V&V Disposition and Status	OK
V&V Charge Time	6.956

A.2 Comments

There are 2 observations with the obsid number 1314. They appear in separate spacecraft loads with these duplicate numbers. Because the 2 obsids used different instrument configurations, the telemetry file of the other obsid 1314 was edited to create a new obsid number, obsid 62867. This obsid retains the 1314 designation.