

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2187 - L2 Version 001
Chandra X-Ray Center

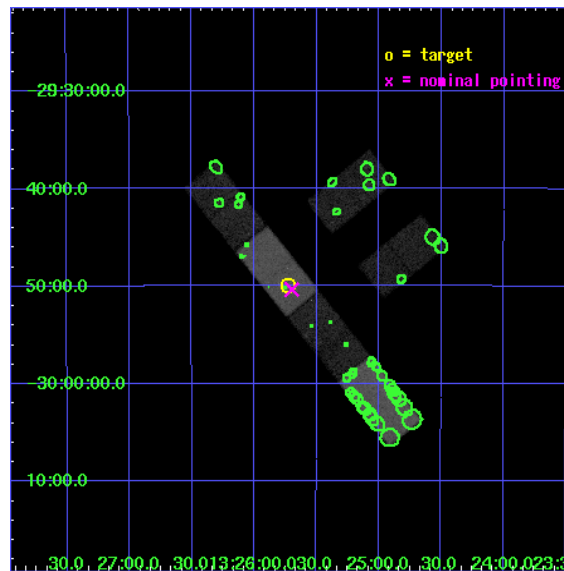
L2 Processing Date : Dec 30 2006

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1 Front

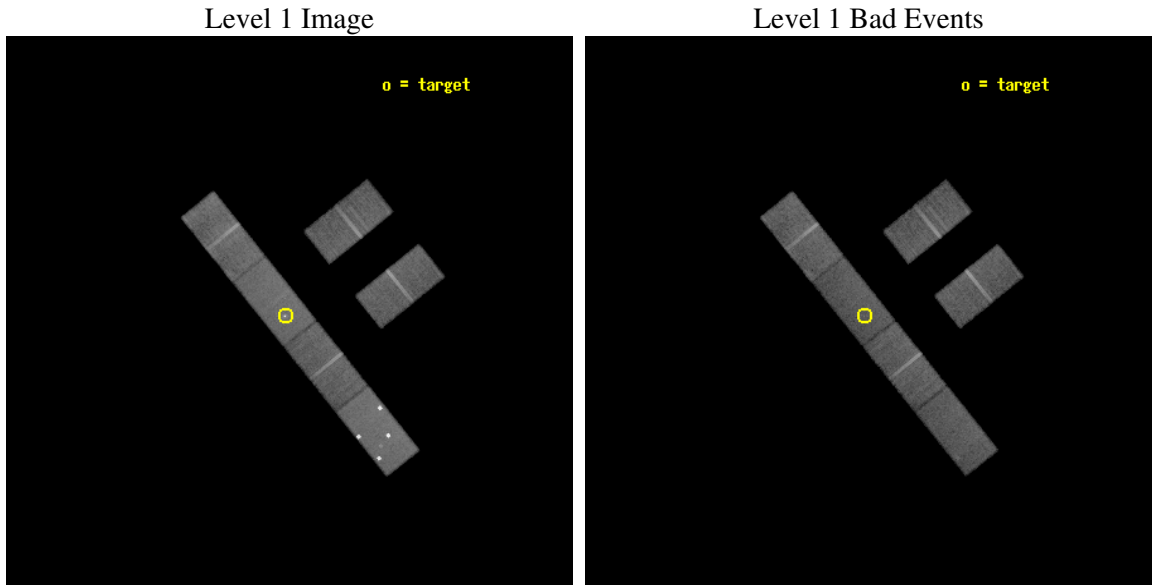
seq_num	700377
obs_id	2187
title	USING CHANDRA TO ELUCIDATE THE STARBURST-AGN CONNECTION
observer	Dr. Nancy Levenson
object	NGC 5135
dtcycle	0
cycle	P
ra_targ	201.432917
dec_targ	-29.832944
ra_nom	201.42441864703
dec_nom	-29.839318619011
roll_nom	231.12265013437
revision	2
ontime	29969.999950379
livetime	29301.916259659
ontime2	29969.999950379
ontime3	29969.999950379
ontime5	29969.999950379
ontime6	29969.999950379
ontime7	29969.999950379
ontime8	29969.999950379
l2events	159044



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 2

Chip 3

Chip 5



Chip 6

Chip 7

Chip 8



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.4
date	2006-12-31T01:29:05
revision	2

sched_exp_time	29700.000000
ontime	30093.243019119
ontime2	30093.243019119
ontime3	30093.243019119
ontime5	30093.243019119
ontime6	30093.243019119
ontime7	30093.243019119
ontime8	30093.243019119
l1events	775141

2.1.4 Events

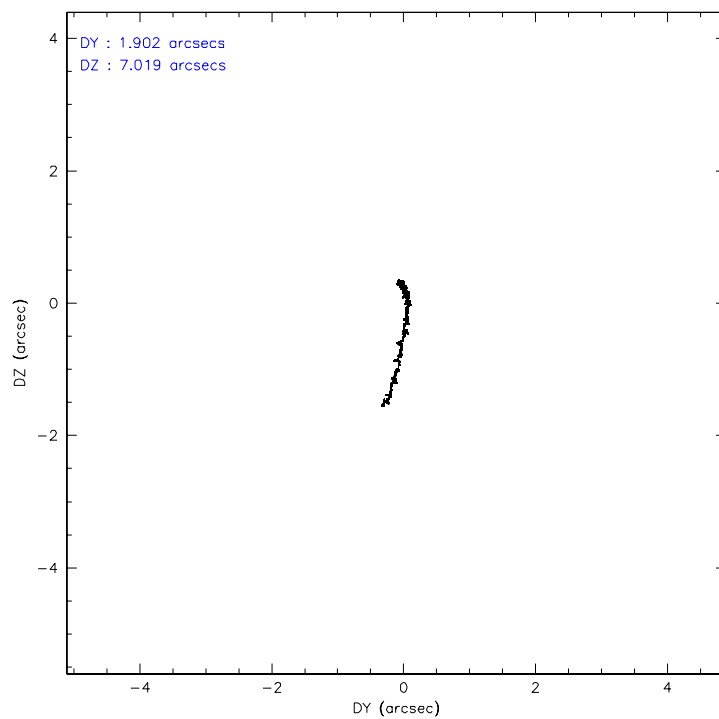
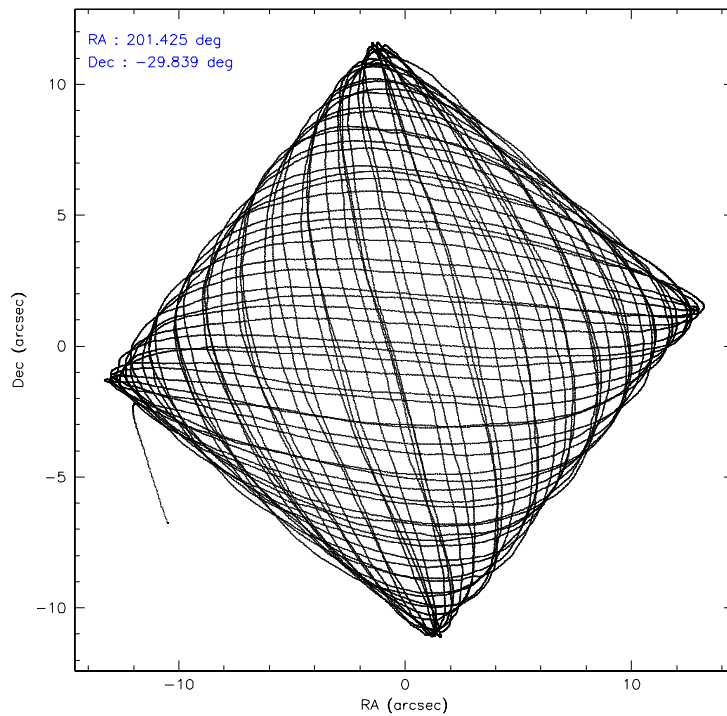
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	107690	102982	194033	105945	133818	130673
rejected events	95891	91317	77379	93302	75913	105671
rejected %	89%	88%	39%	88%	56%	80%

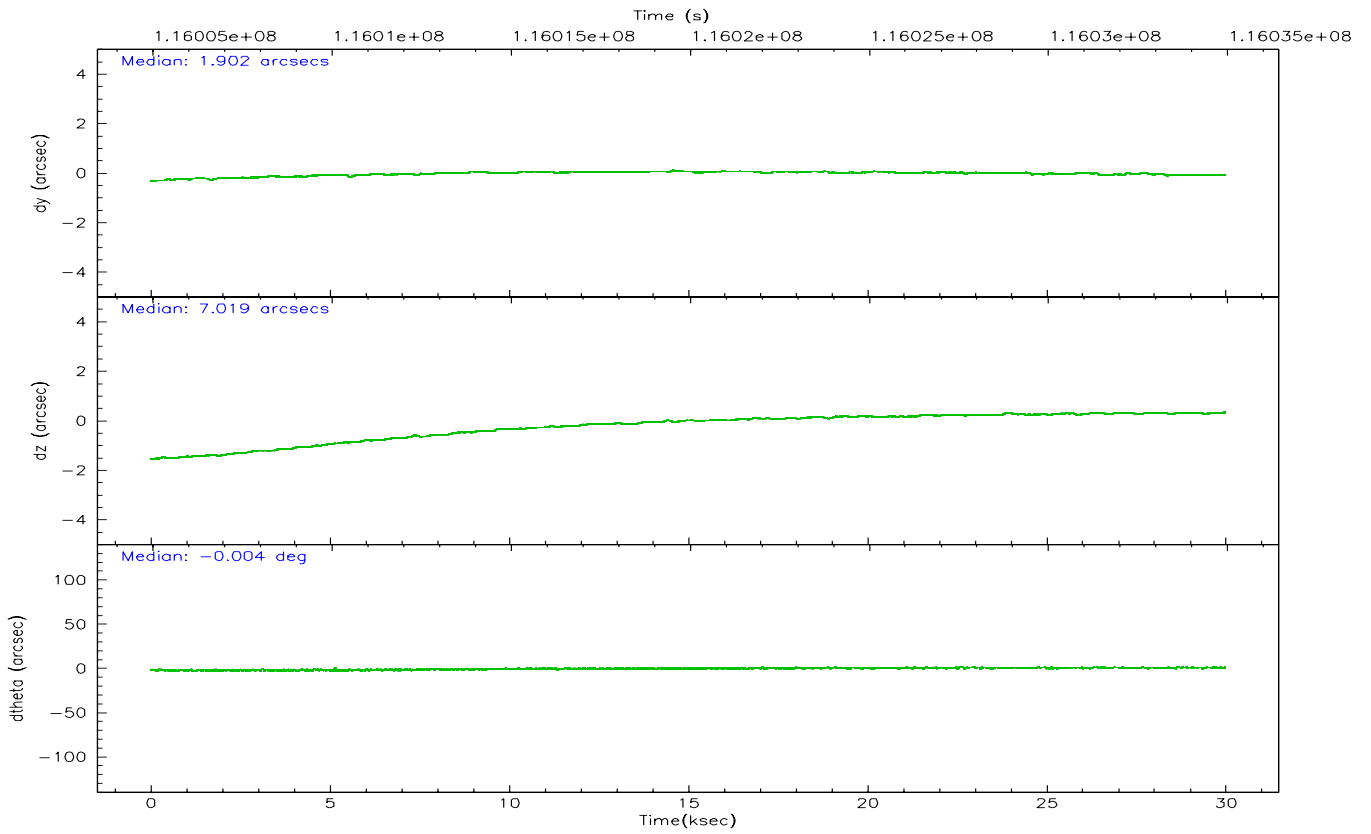
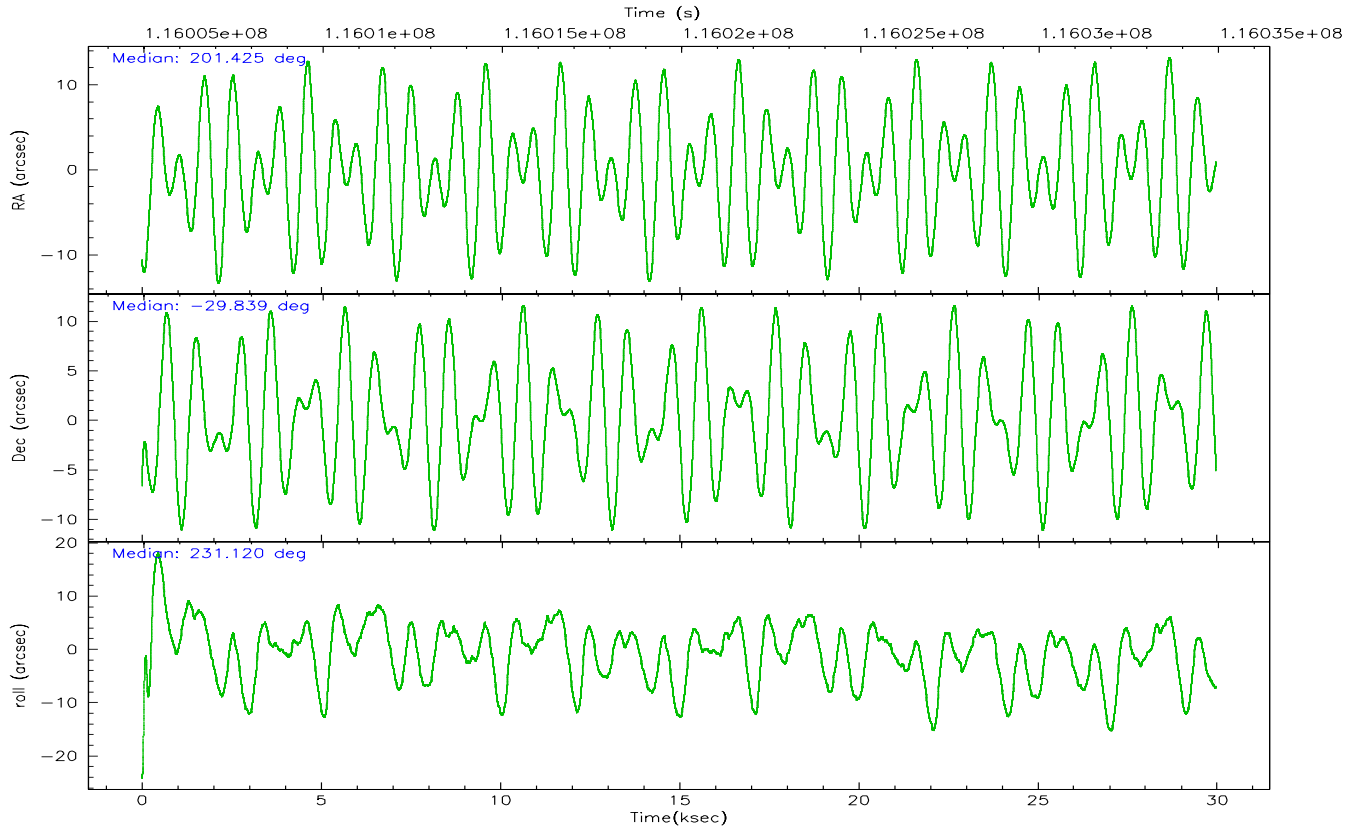
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	4755	4826	49404	5284	5563	7940
	4%	4%	25%	4%	4%	6%
grade 1 events	31	31	370	27	95	60
	0%	0%	0%	0%	0%	0%
grade 2 events	2367	2139	28941	2289	14296	5272
	2%	2%	14%	2%	10%	4%
grade 3 events	1364	1360	1758	1378	3972	2799
	1%	1%	0%	1%	2%	2%
grade 4 events	1360	1313	1649	1419	3927	2650
	1%	1%	0%	1%	2%	2%
grade 5 events	3479	3695	6888	4114	9187	5187
	3%	3%	3%	3%	6%	3%
grade 6 events	1997	2077	35360	2316	30381	6475
	1%	2%	18%	2%	22%	4%
grade 7 events	92337	87541	69663	89118	66397	100290
	85%	85%	35%	84%	49%	76%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	201.428935	201.424418647031	Subarray requested	1/2	1/2
Pointing Dec	-29.812336	-29.83931861901076	Subarray start row	0	257
Pointing Roll	230.968277	231.1226501343684	Subarray row count	1024	512
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
SIM defocus (mm)	0	0.001444936568705701	Primary exposure time	0.000000	1.8
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	116005227.184000	116004220.74208			
Observation start date	2001-09-04T15:39:23	2001-09-04T15:23:40			
Observation end time	116034927.184000	116035118.8558			
Observation end date	2001-09-04T23:54:23	2001-09-04T23:58:38			
Read mode	TIMED	TIMED			

2.3 Aspect



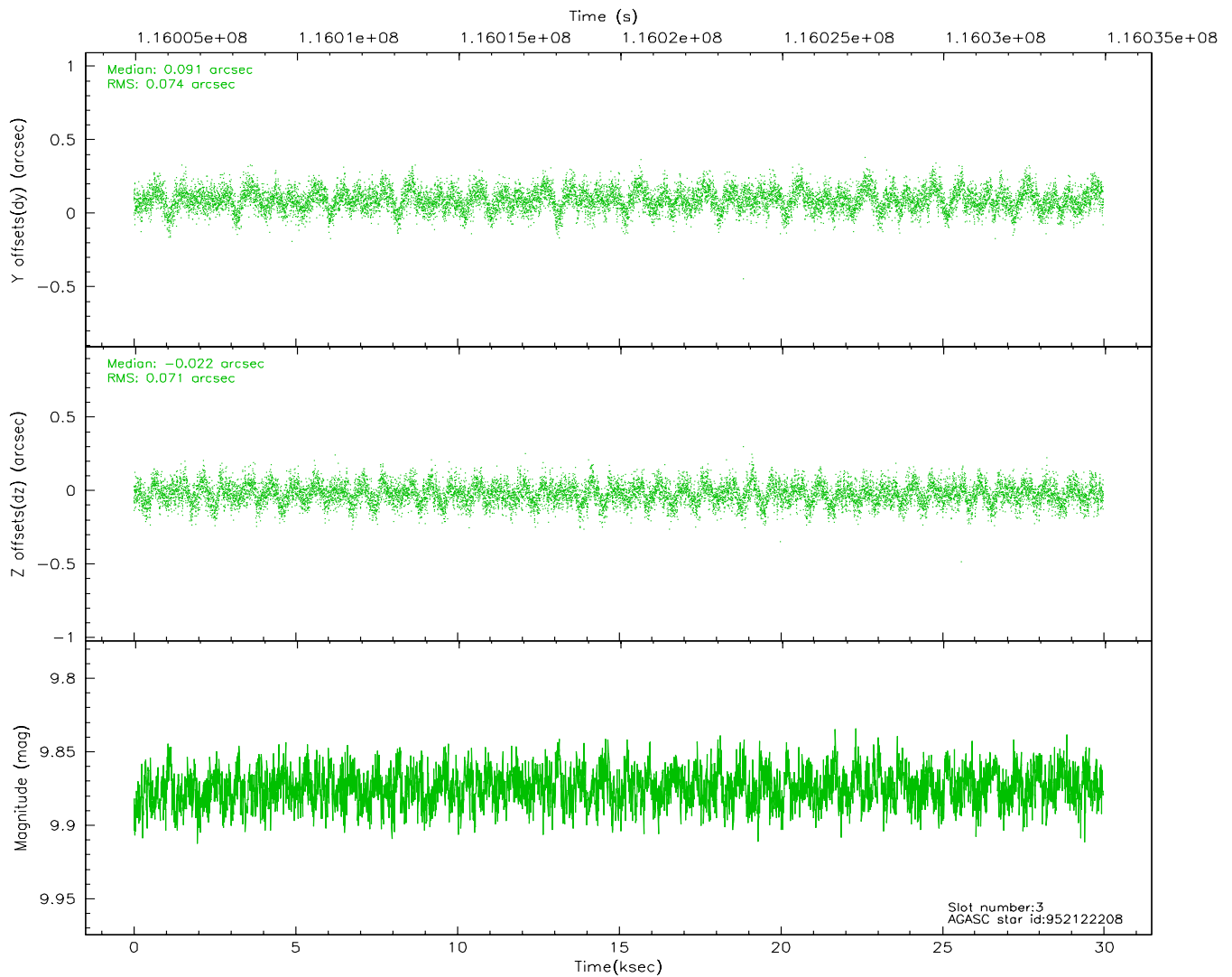
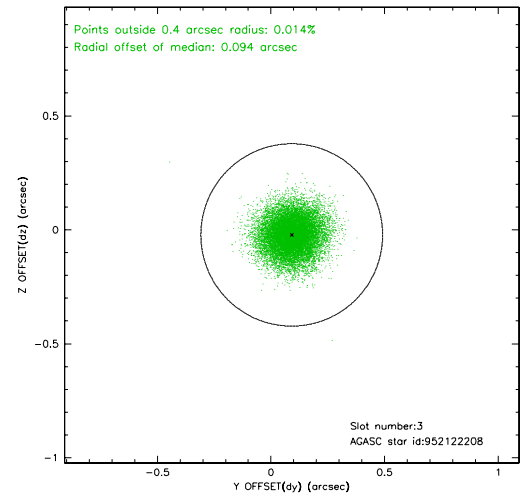
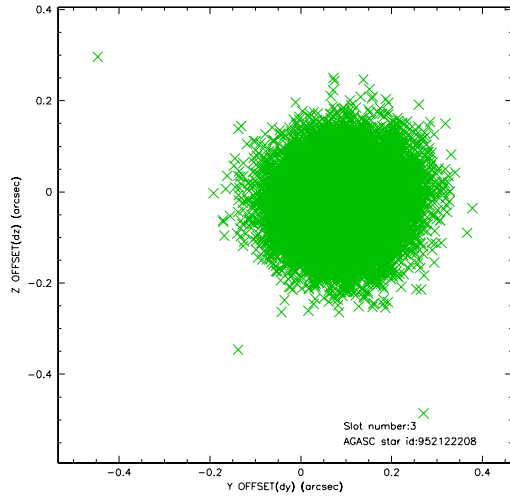


Slot Statistics

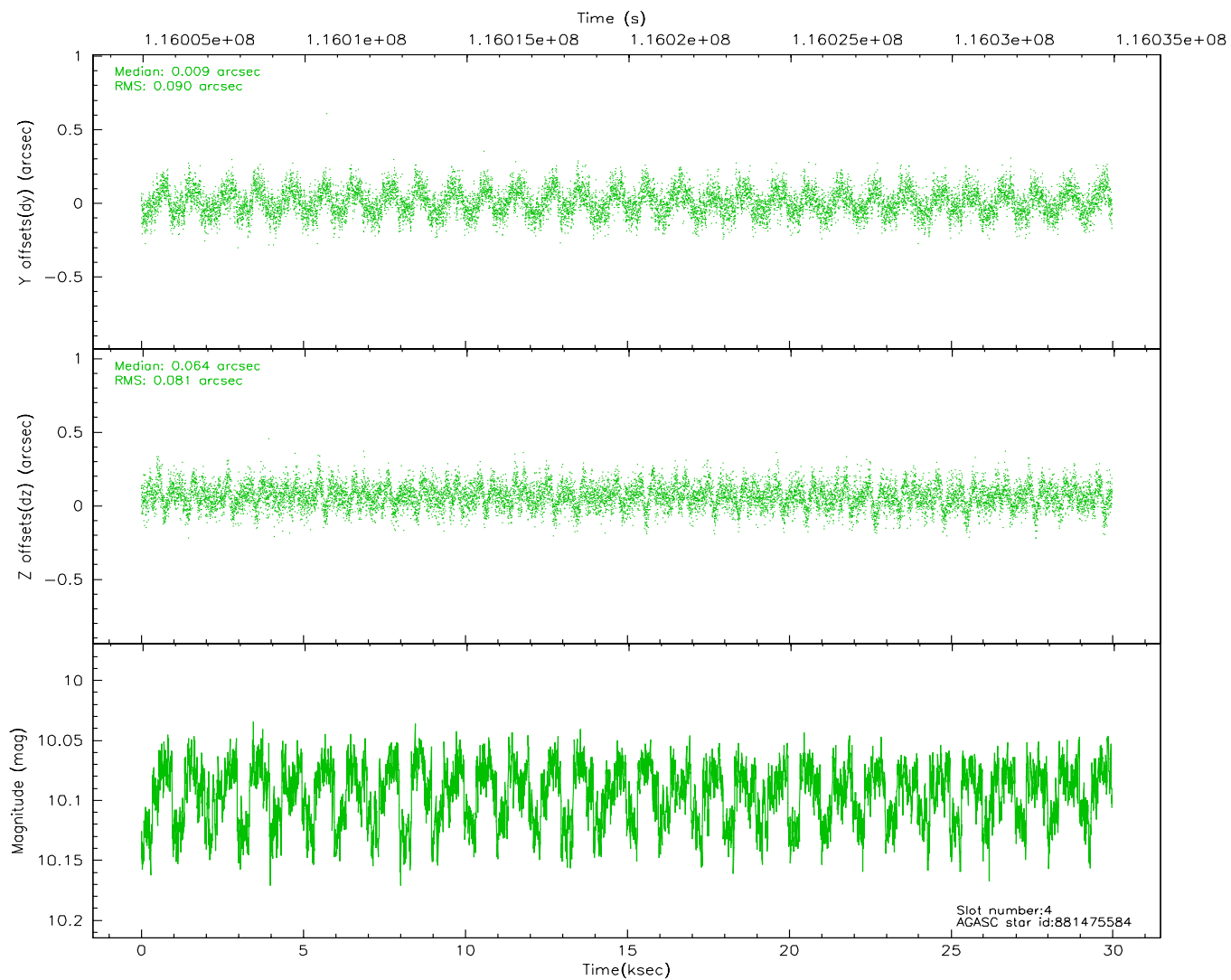
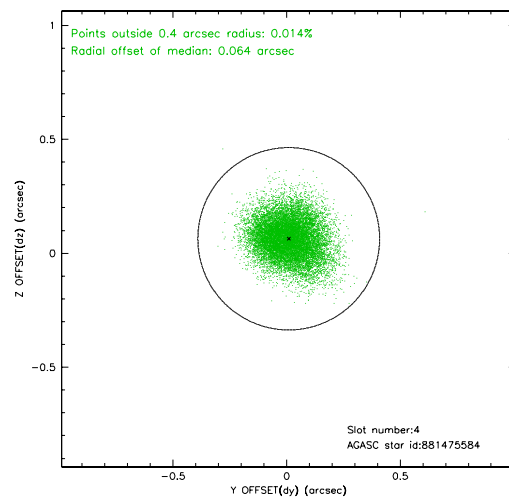
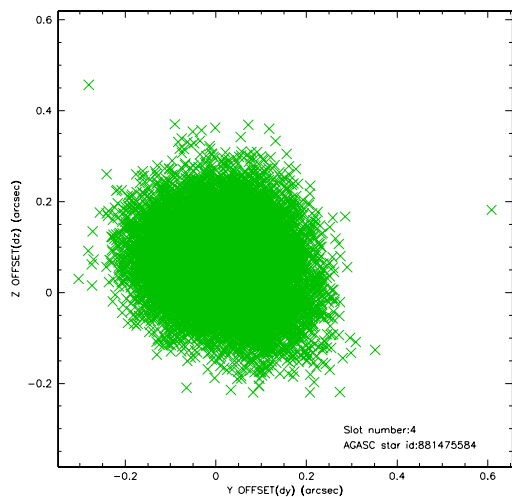
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	7311	0.022	0.023	0.016	0.023	0.000000	0.000000	-754.45	-1727.87
1	FID	ACIS-S-4	7.20	7310	-0.062	-0.005	0.009	0.015	0.000000	0.000000	2158.69	180.54
2	FID	ACIS-S-6	7.35	7310	0.013	-0.012	0.011	0.016	0.000000	0.000000	407.60	817.99
3	GUIDE	952122208	9.87	14611	0.091	-0.022	0.110	0.176	201.343686	-30.353824	1682.12	1022.36
4	GUIDE	881475584	10.09	14605	0.009	0.064	0.130	0.208	201.917743	-29.899274	-714.08	1384.57
5	GUIDE	881470136	10.18	14615	-0.149	0.116	0.176	0.282	202.034493	-29.631398	-1694.77	1065.40
6	GUIDE	881470320	10.49	14601	0.087	-0.126	0.170	0.277	201.172645	-29.544874	-240.82	-1229.06
7	GUIDE	881472720	10.15	14605	-0.051	-0.032	0.140	0.231	202.043651	-29.417662	-2312.84	605.97

2.4 Star Slots

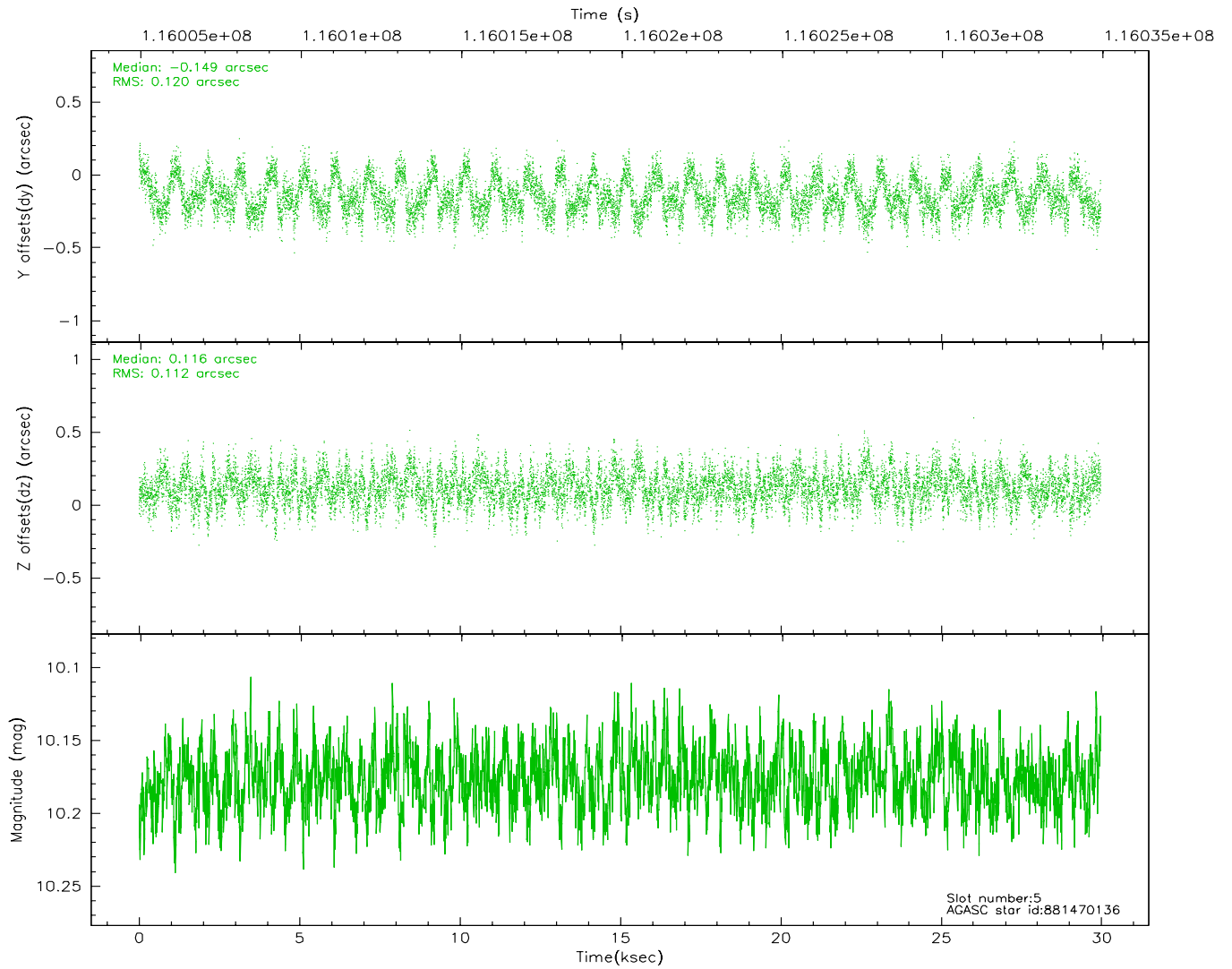
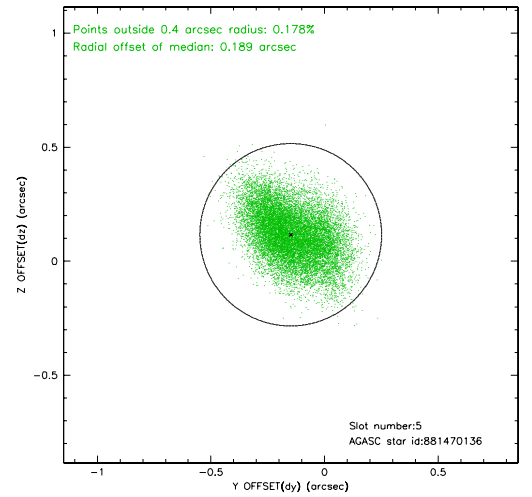
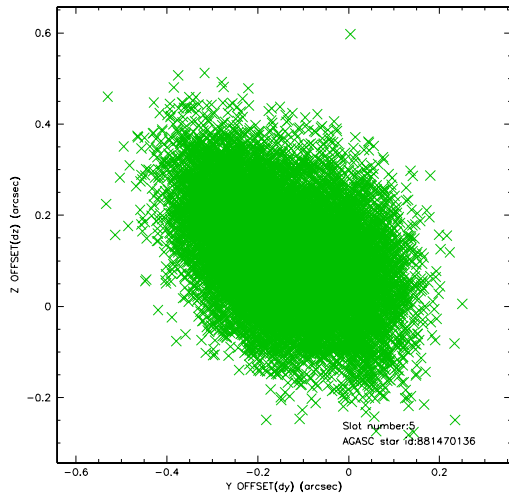
2.4.1 Slot 3



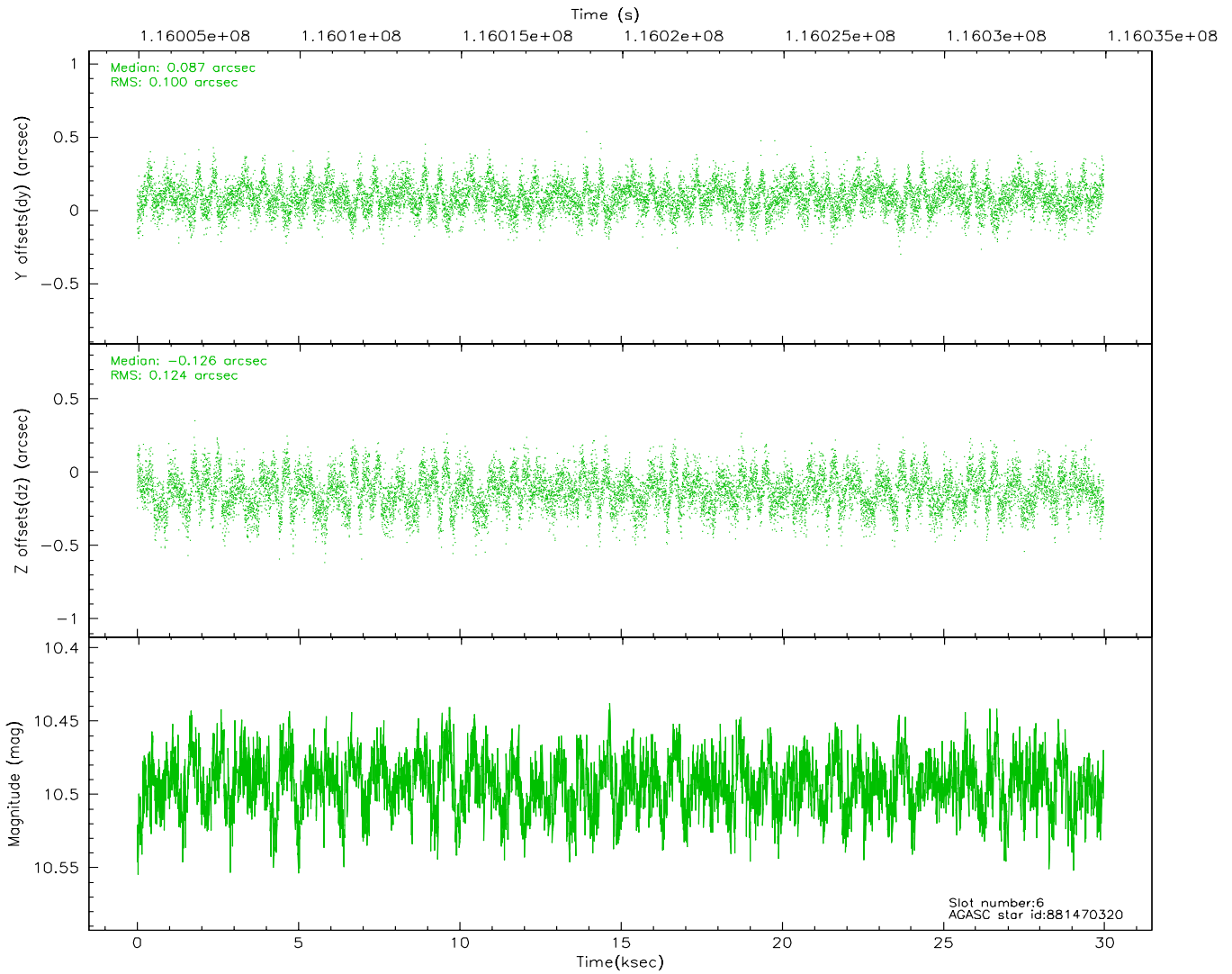
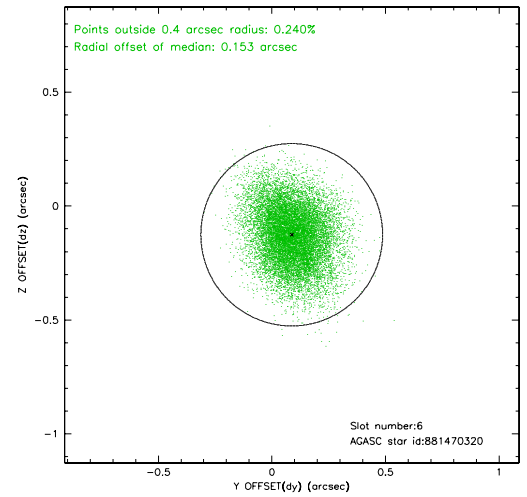
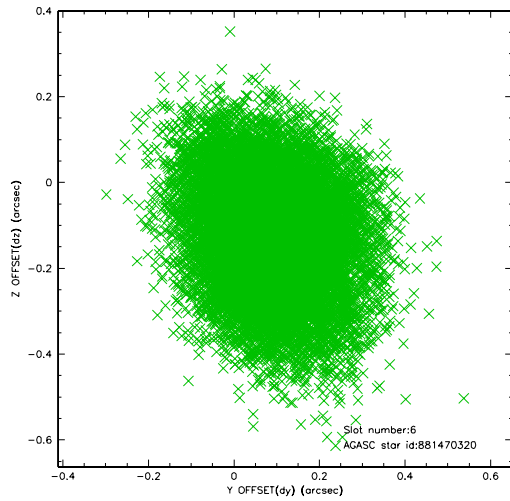
2.4.2 Slot 4



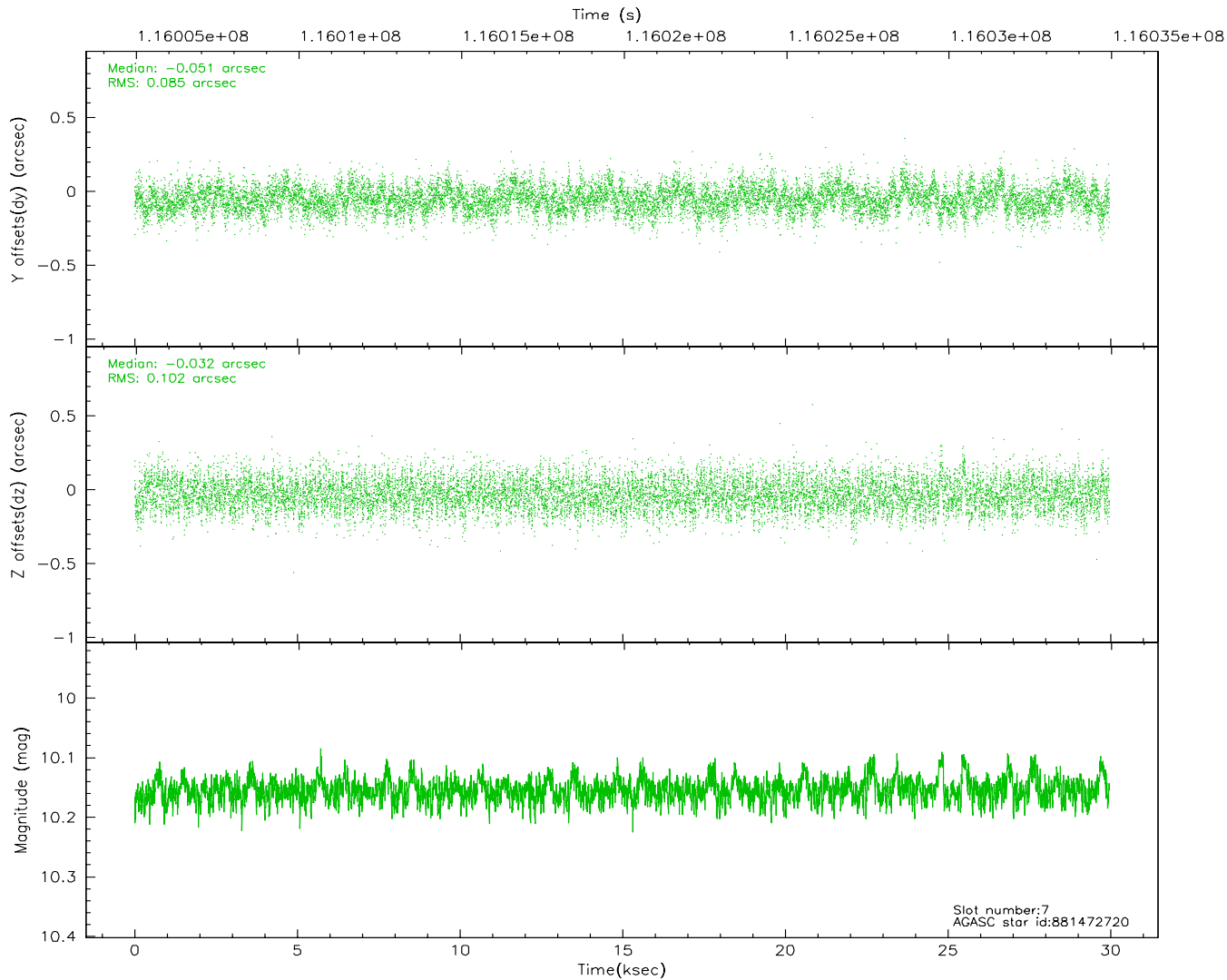
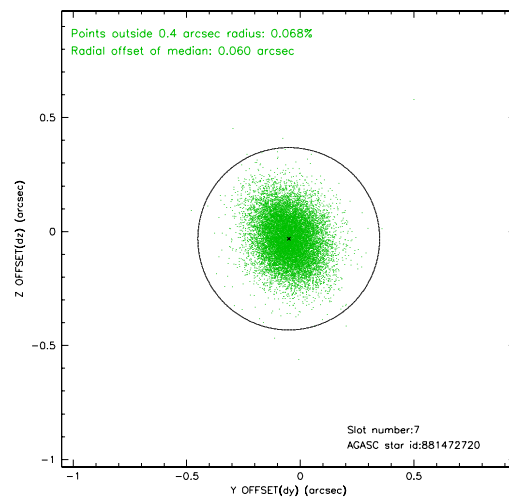
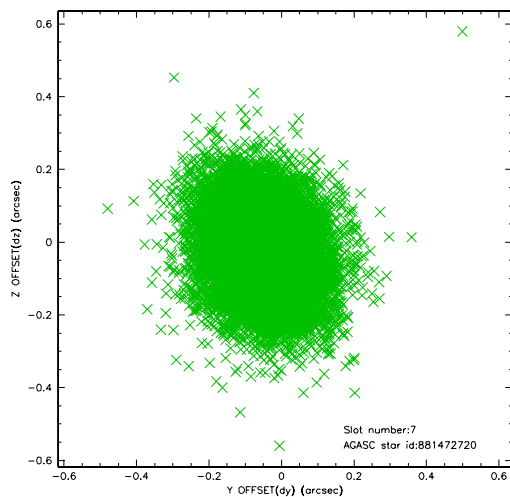
2.4.3 Slot 5



2.4.4 Slot 6

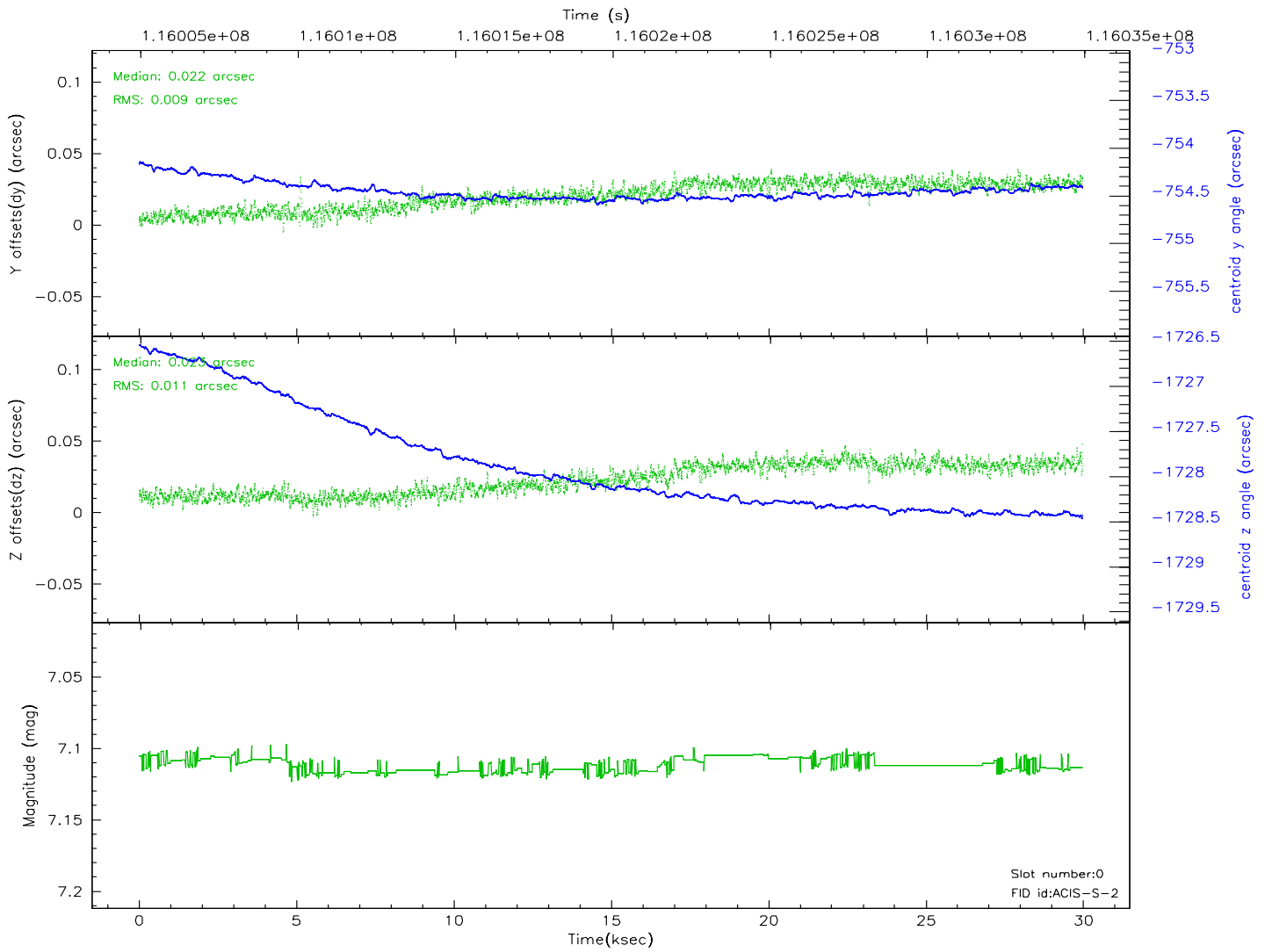
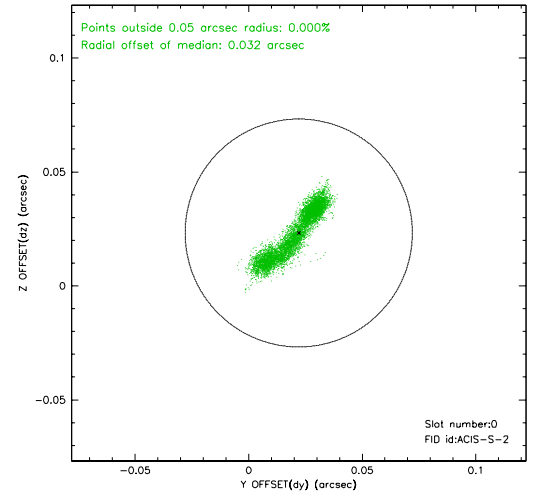
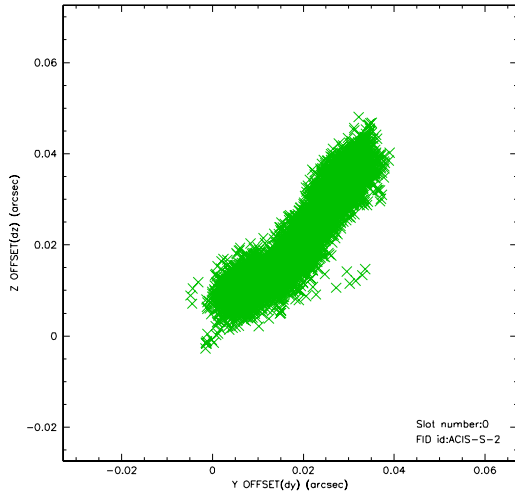


2.4.5 Slot 7

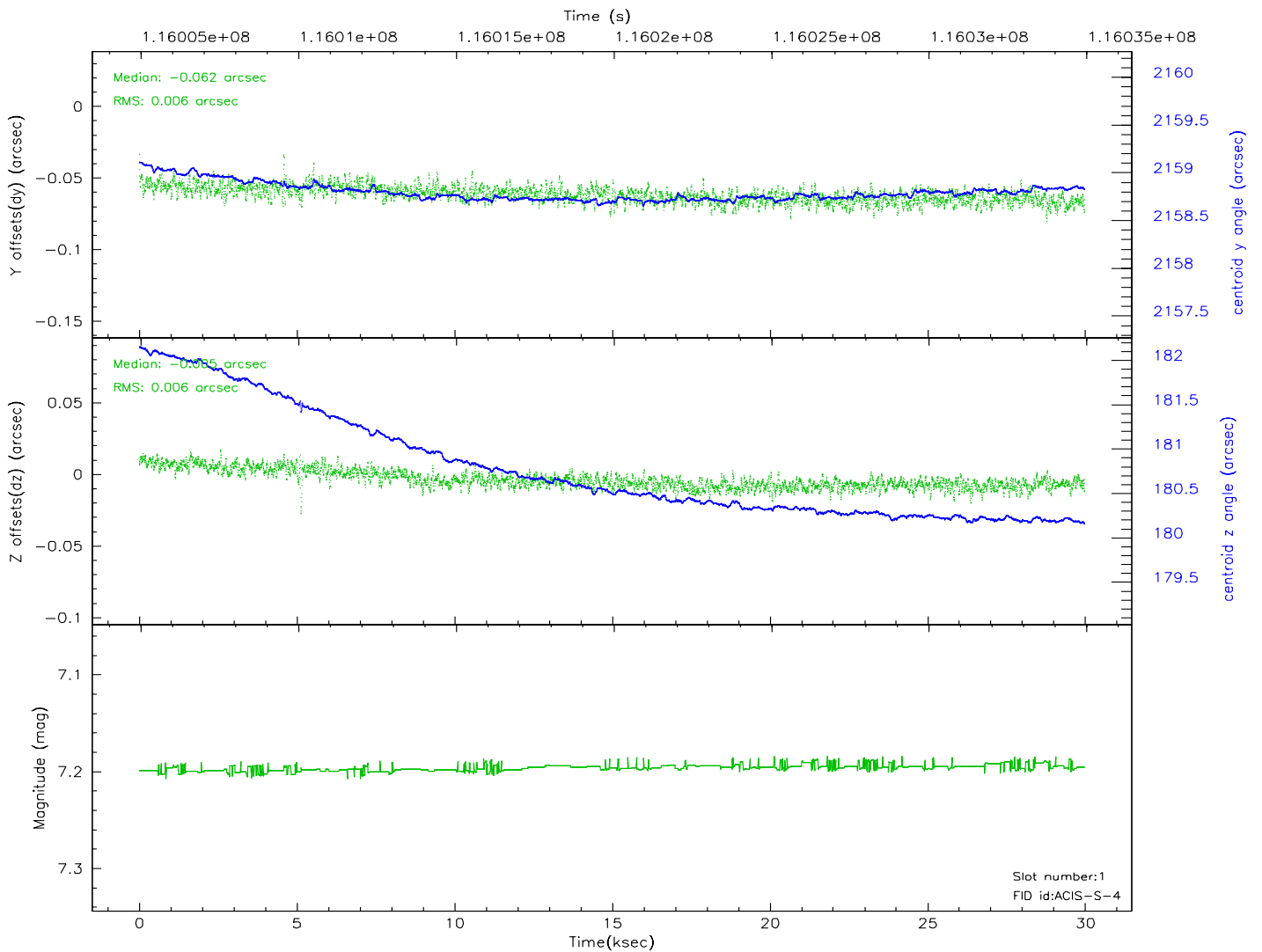
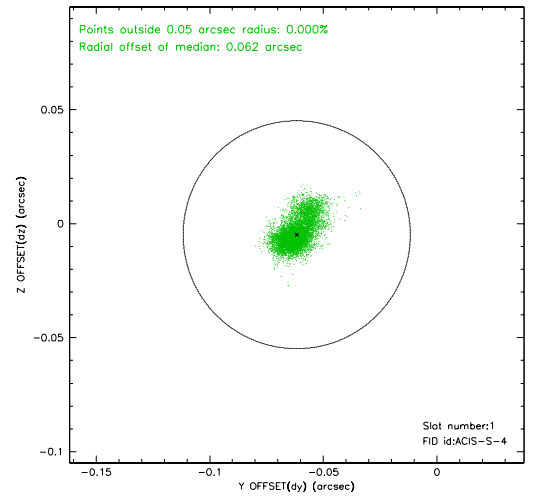
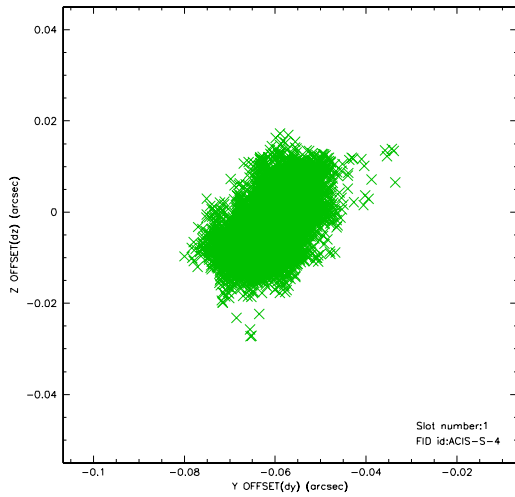


2.5 FID Slots

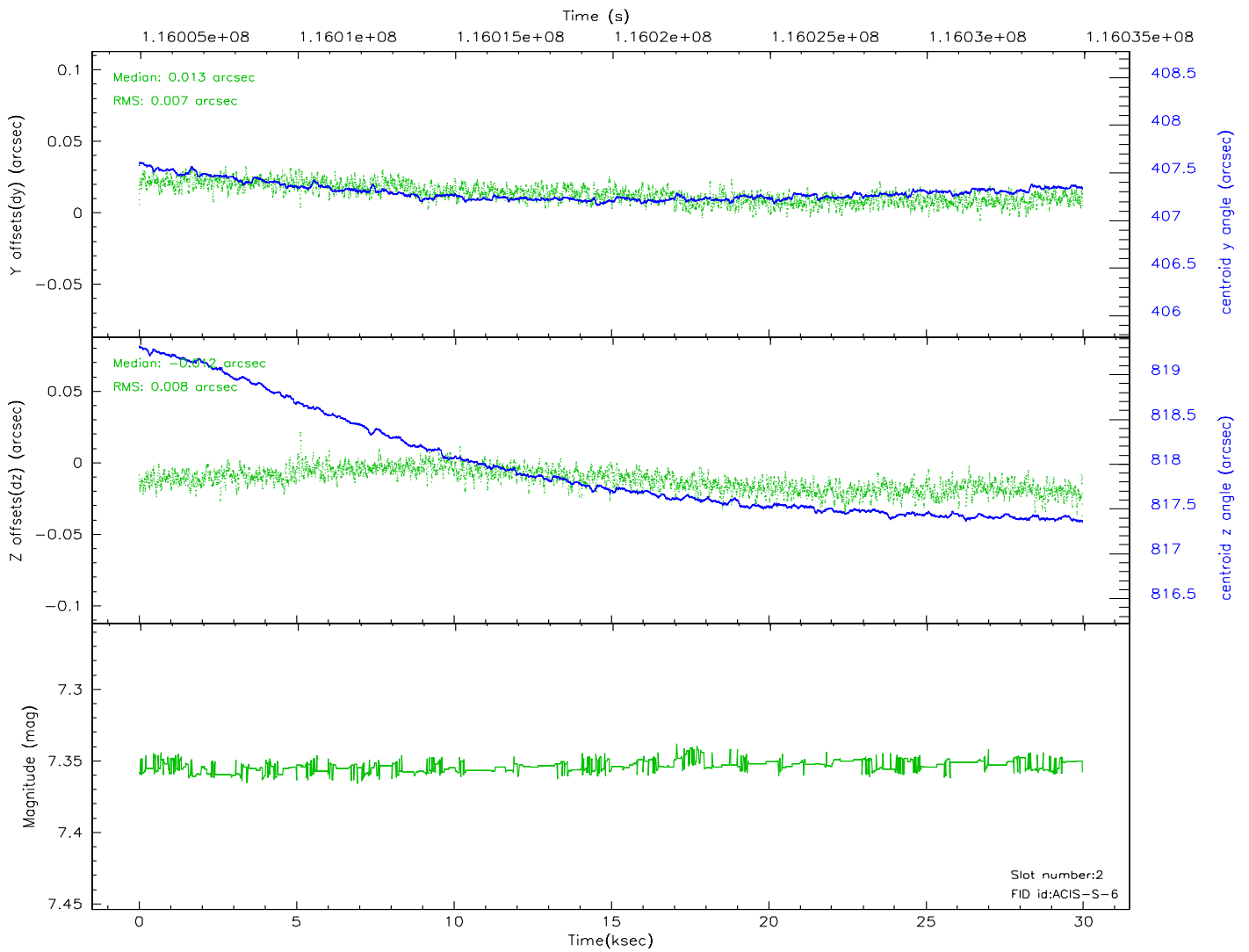
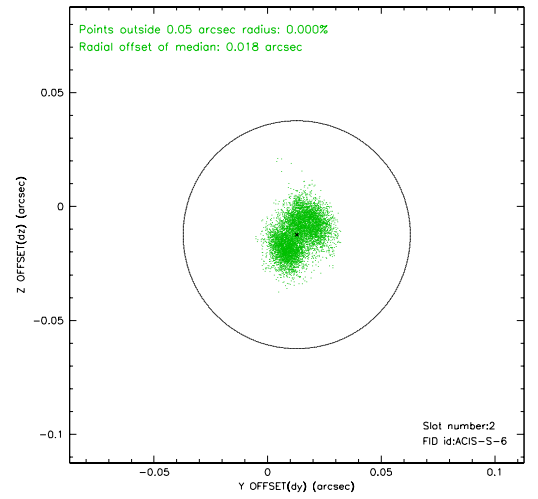
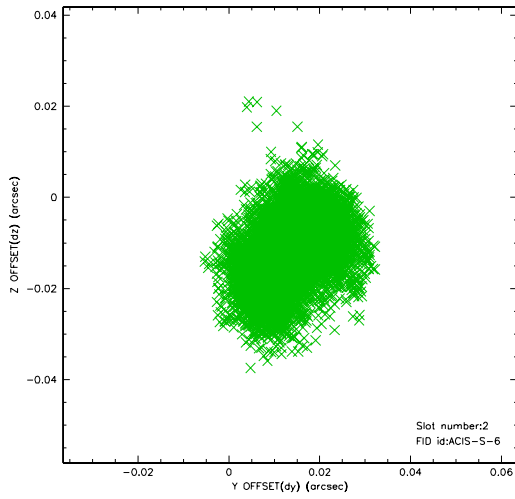
2.5.1 Slot 0



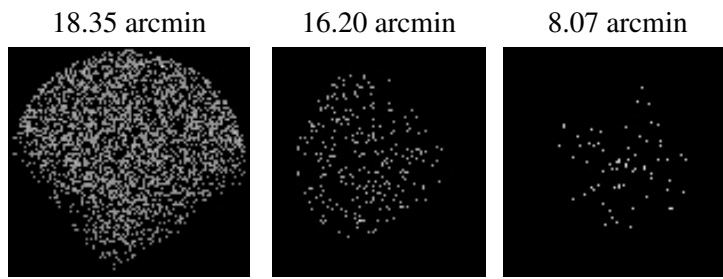
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.01.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.97

A.2 Comments