

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 3040 - L2 Version 001
Chandra X-Ray Center

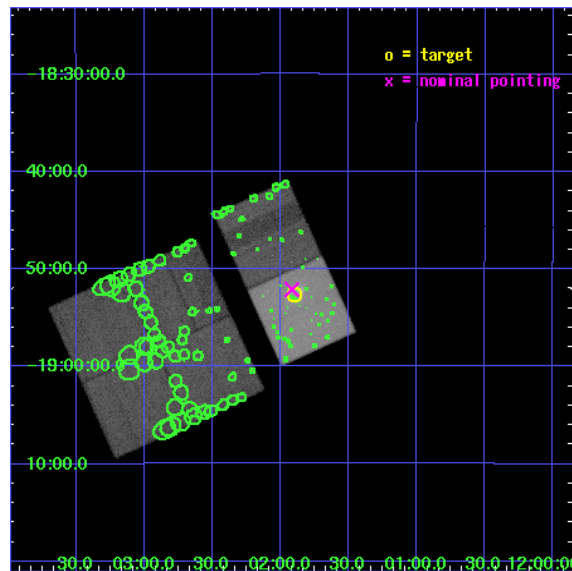
L2 Processing Date : Jan 17 2007

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1 Front

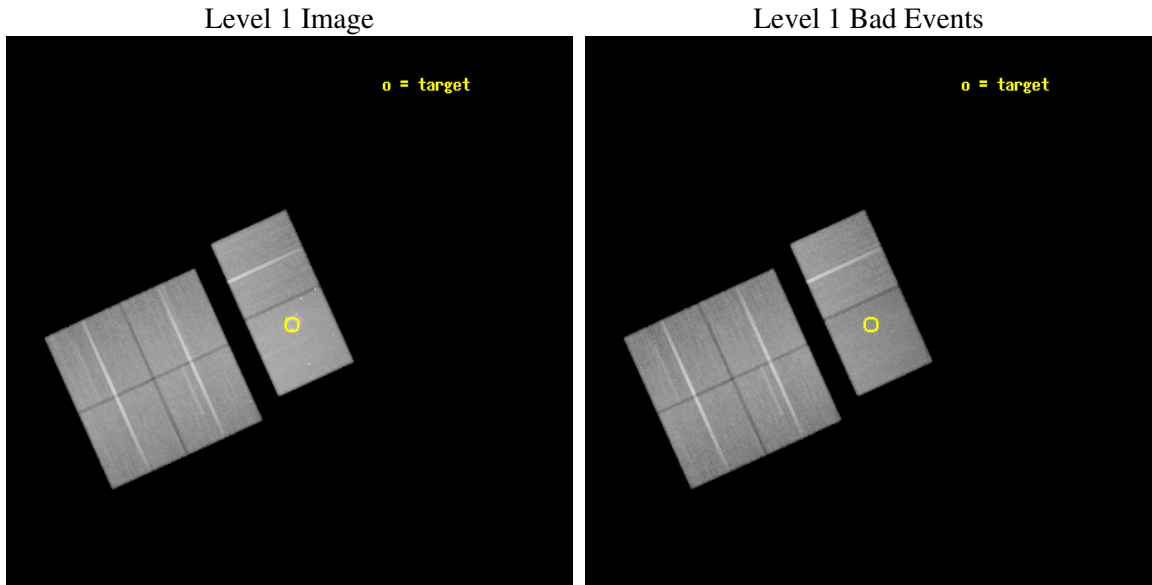
seq_num	700479
obs_id	3040
title	AN IN-DEPTH STUDY OF THE X-RAY SOURCE POPULATION AND HOT ISM OF THE ANTENNAE GALAXIES
observer	Dr Giuseppina Fabbiano
object	NGC 4038/NGC 4039
dtcycle	0
cycle	P
ra_targ	180.47375
dec_targ	-18.876528
ra_nom	180.47958952953
dec_nom	-18.868532964191
roll_nom	65.588090996342
revision	2
ontime	69929.600065127
livetime	69044.109362552
ontime0	69926.359104872
ontime1	69929.600065127
ontime2	69926.359124795
ontime3	69929.600065127
ontime6	69929.600065127
ontime7	69929.600065127
l2events	639270



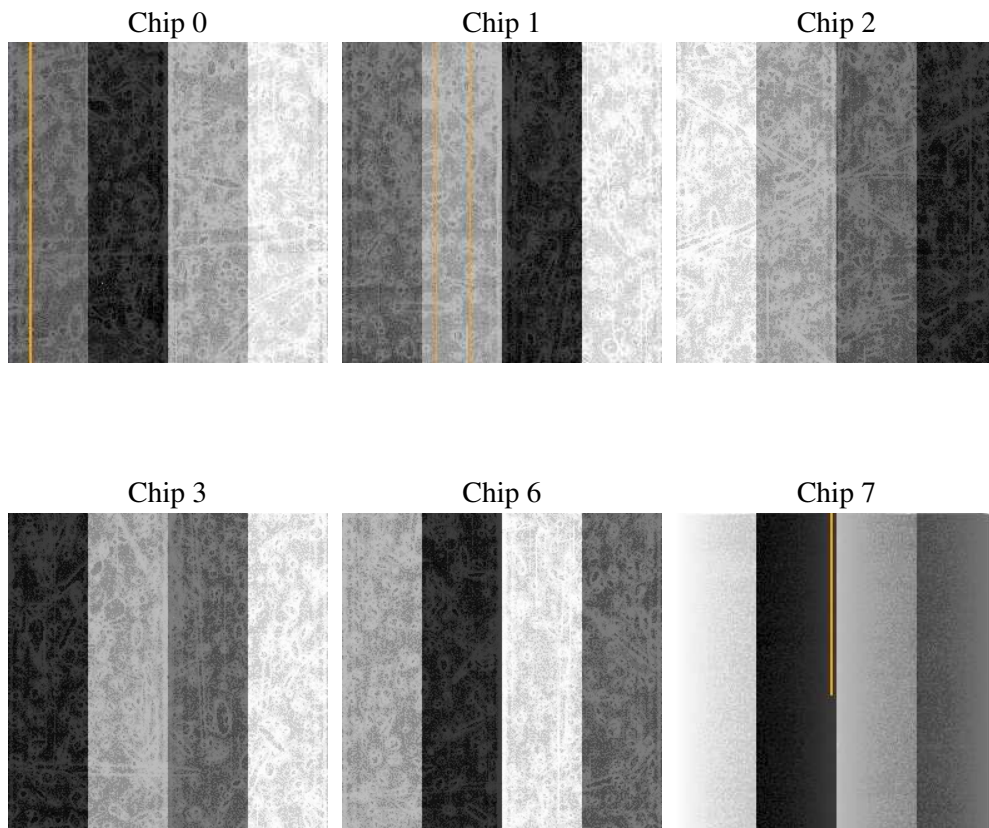
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.10
caldbver	3.3.0
date	2007-01-17T03:25:28
revision	2

sched_exp_time	69970.211000
ontime	69929.600065127
ontime0	69926.359104872
ontime1	69929.600065127
ontime2	69926.359124795
ontime3	69929.600065127
ontime6	69929.600065127
ontime7	69929.600065127
l1events	3196280

2.1.4 Events

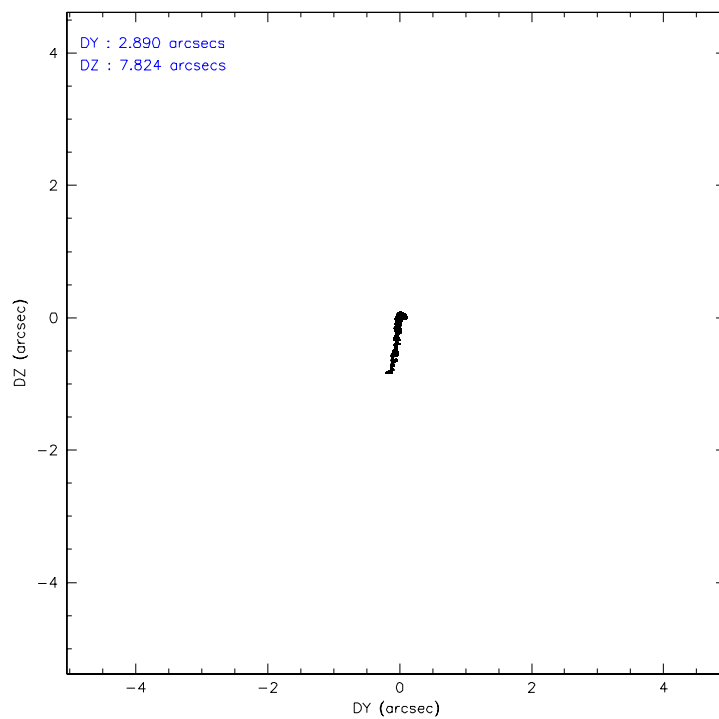
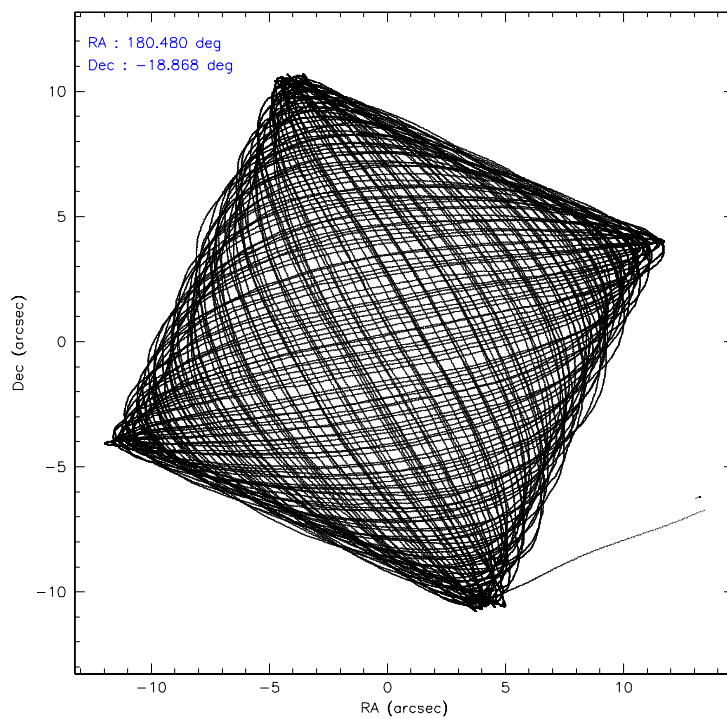
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	486752	470222	521336	511941	533594	672435
rejected events	409083	392649	445596	437552	454729	353340
rejected %	84%	83%	85%	85%	85%	52%

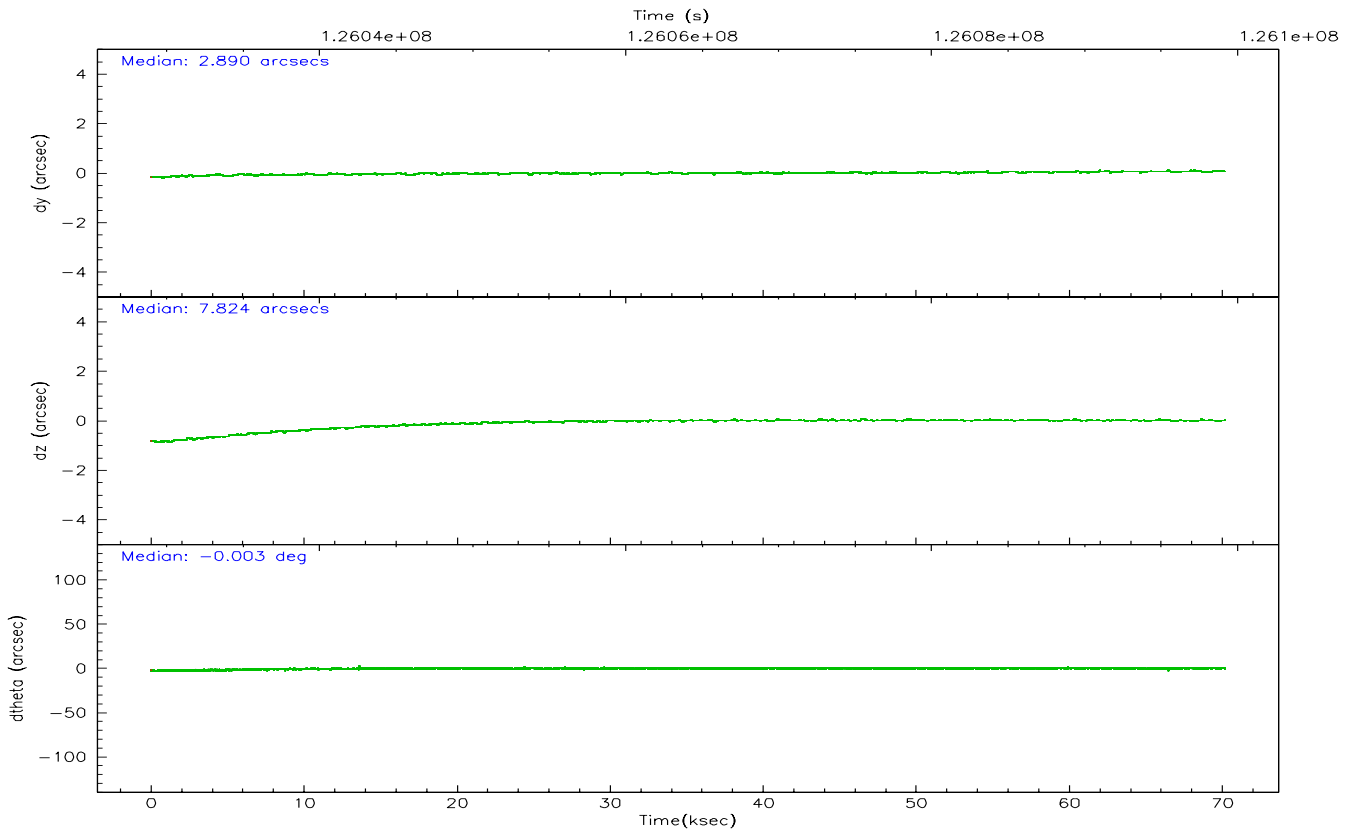
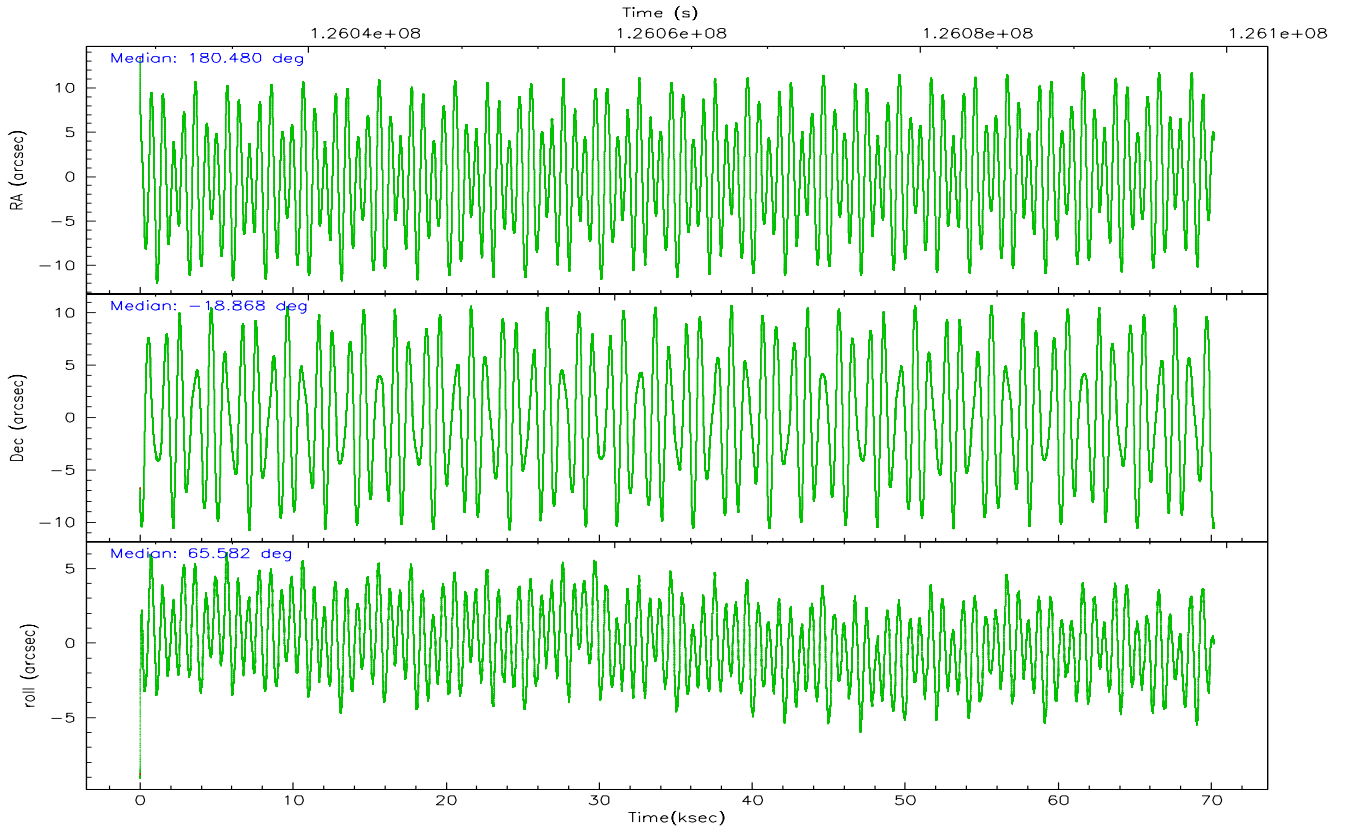
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	33254	31819	33738	32162	34451	39469
	6%	6%	6%	6%	6%	5%
grade 1 events	292	260	264	249	250	638
	0%	0%	0%	0%	0%	0%
grade 2 events	19655	18742	18081	17757	18826	66045
	4%	3%	3%	3%	3%	9%
grade 3 events	5818	6257	5202	5520	5655	29571
	1%	1%	0%	1%	1%	4%
grade 4 events	5531	6178	5810	5696	5733	29213
	1%	1%	1%	1%	1%	4%
grade 5 events	17473	17674	15762	18280	19844	58147
	3%	3%	3%	3%	3%	8%
grade 6 events	13419	14583	12910	13261	14206	154833
	2%	3%	2%	2%	2%	23%
grade 7 events	391310	374709	429569	419016	434629	294519
	80%	79%	82%	81%	81%	43%

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	180.482736	180.4795895295337	Subarray requested	NONE	NONE
Pointing Dec	-18.895624	-18.86853296419081	Alternating exposures requested	N	N
Pointing Roll	65.432484	65.5880909963424	Primary exposure time	0.000000	3.2
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	126029206.184000	126028206.07872			
Observation start date	2001-12-29T16:05:42	2001-12-29T15:50:06			
Observation end time	126099176.184000	126099490.73158			
Observation end date	2001-12-30T11:31:52	2001-12-30T11:38:10			
Read mode	TIMED	TIMED			

2.3 Aspect



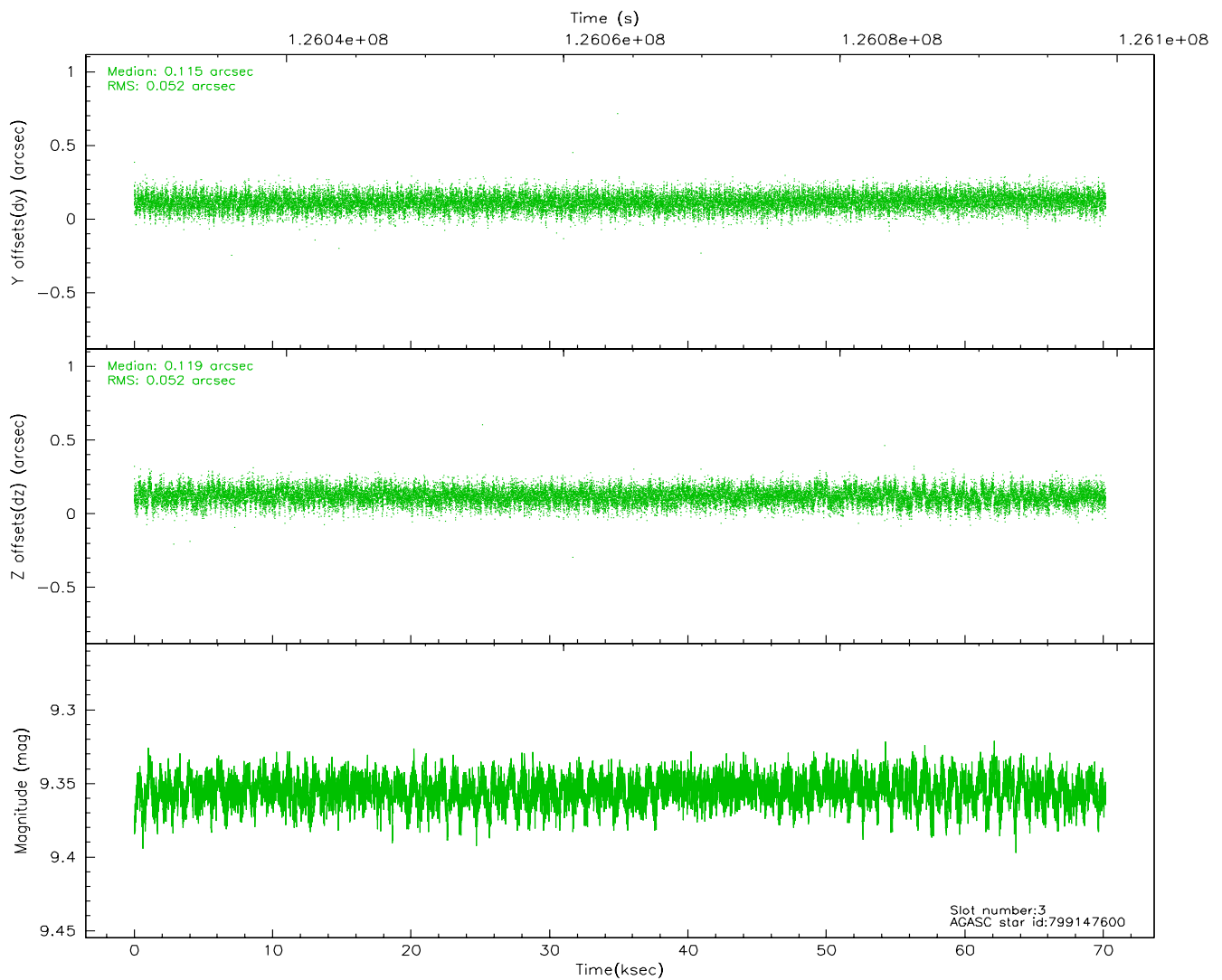
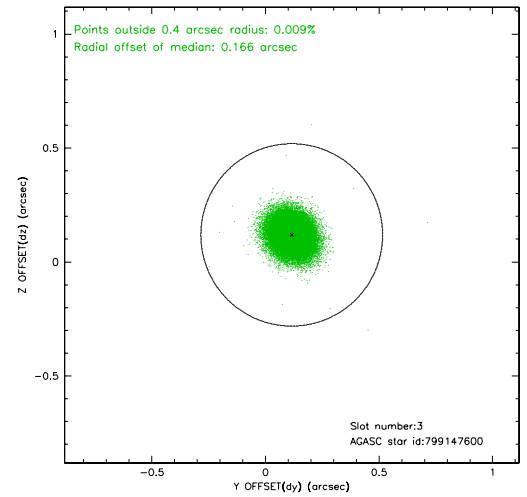
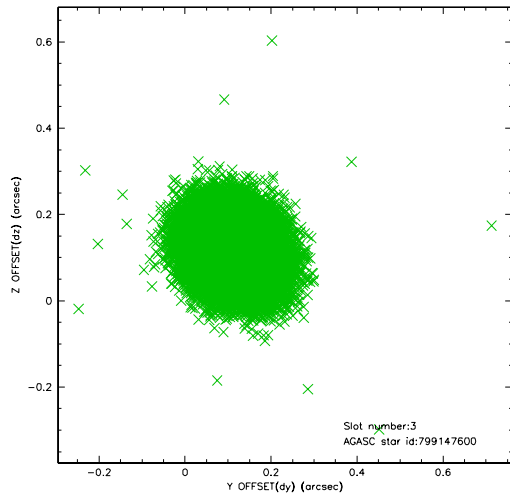


Slot Statistics

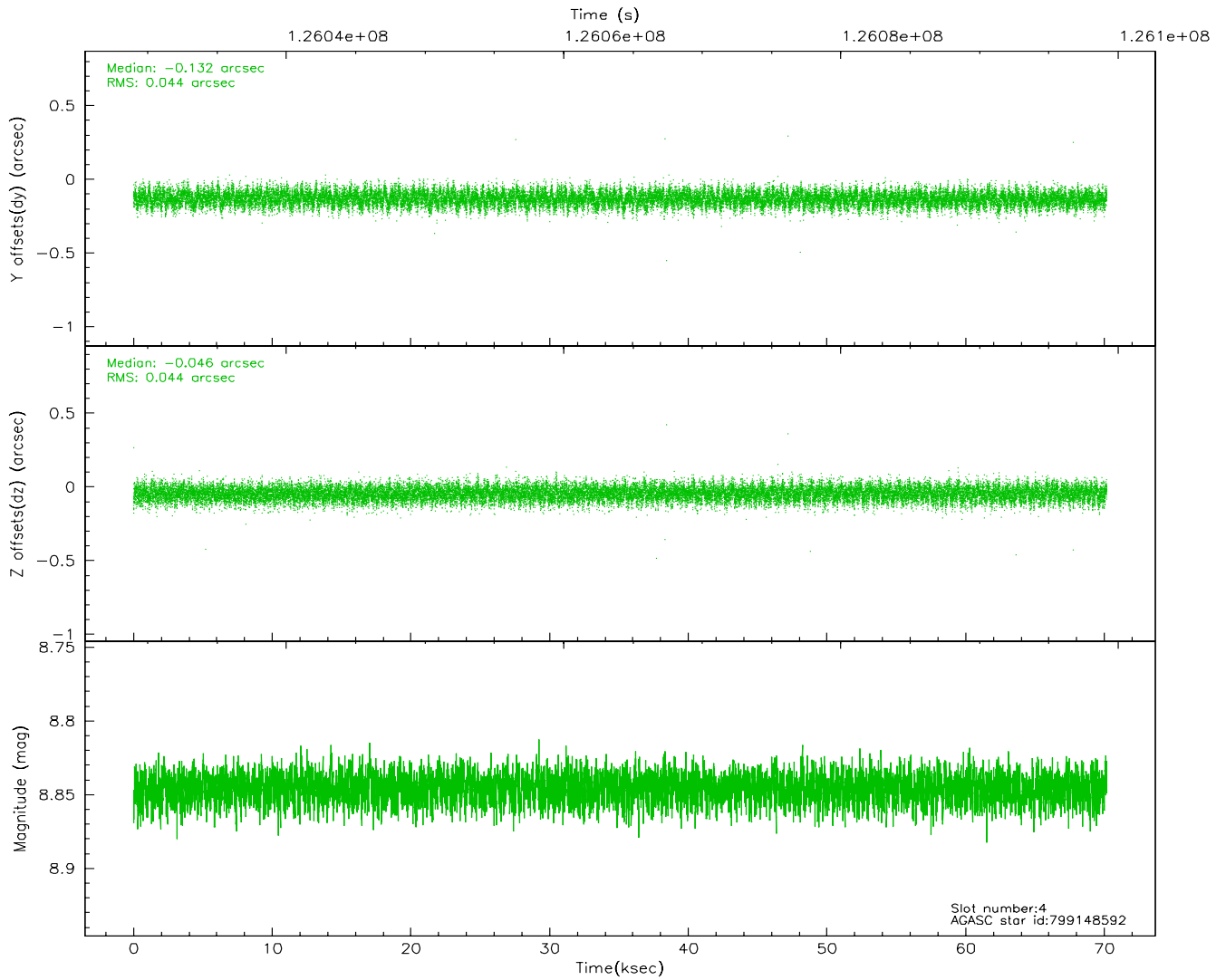
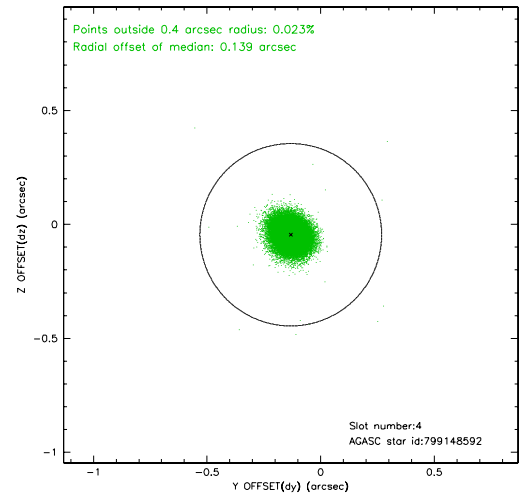
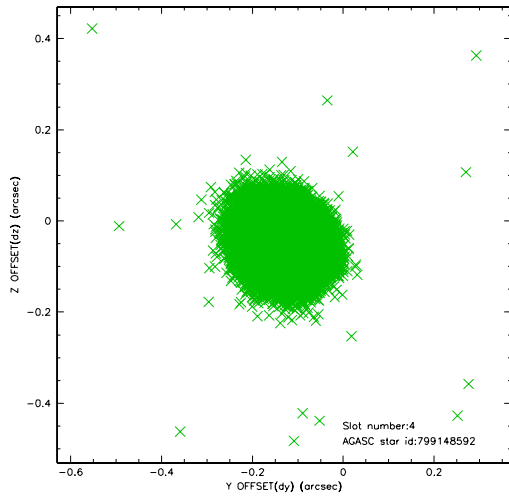
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-3	7.36	17118	-0.074	-0.038	0.010	0.024	0.000000	0.000000	57.56	-1858.00
1	FID	ACIS-S-4	7.20	17115	-0.044	0.057	0.007	0.015	0.000000	0.000000	2157.78	179.65
2	FID	ACIS-S-5	7.24	17116	0.089	-0.008	0.008	0.013	0.000000	0.000000	-1808.35	173.29
3	GUIDE	799147600	9.35	34220	0.115	0.119	0.078	0.126	180.387500	-19.402329	-1794.22	-463.94
4	GUIDE	799148592	8.85	34220	-0.132	-0.046	0.066	0.106	180.422651	-18.791183	255.99	342.96
5	GUIDE	799156912	9.55	34215	0.156	0.195	0.085	0.140	180.669836	-19.643386	-2185.18	-1696.11
6	GUIDE	799149552	9.64	34152	0.007	-0.212	0.090	0.147	179.918855	-18.889841	-783.26	1754.16
7	GUIDE	799152736	9.10	34219	-0.149	-0.054	0.074	0.120	180.259335	-18.516494	922.91	1261.27

2.4 Star Slots

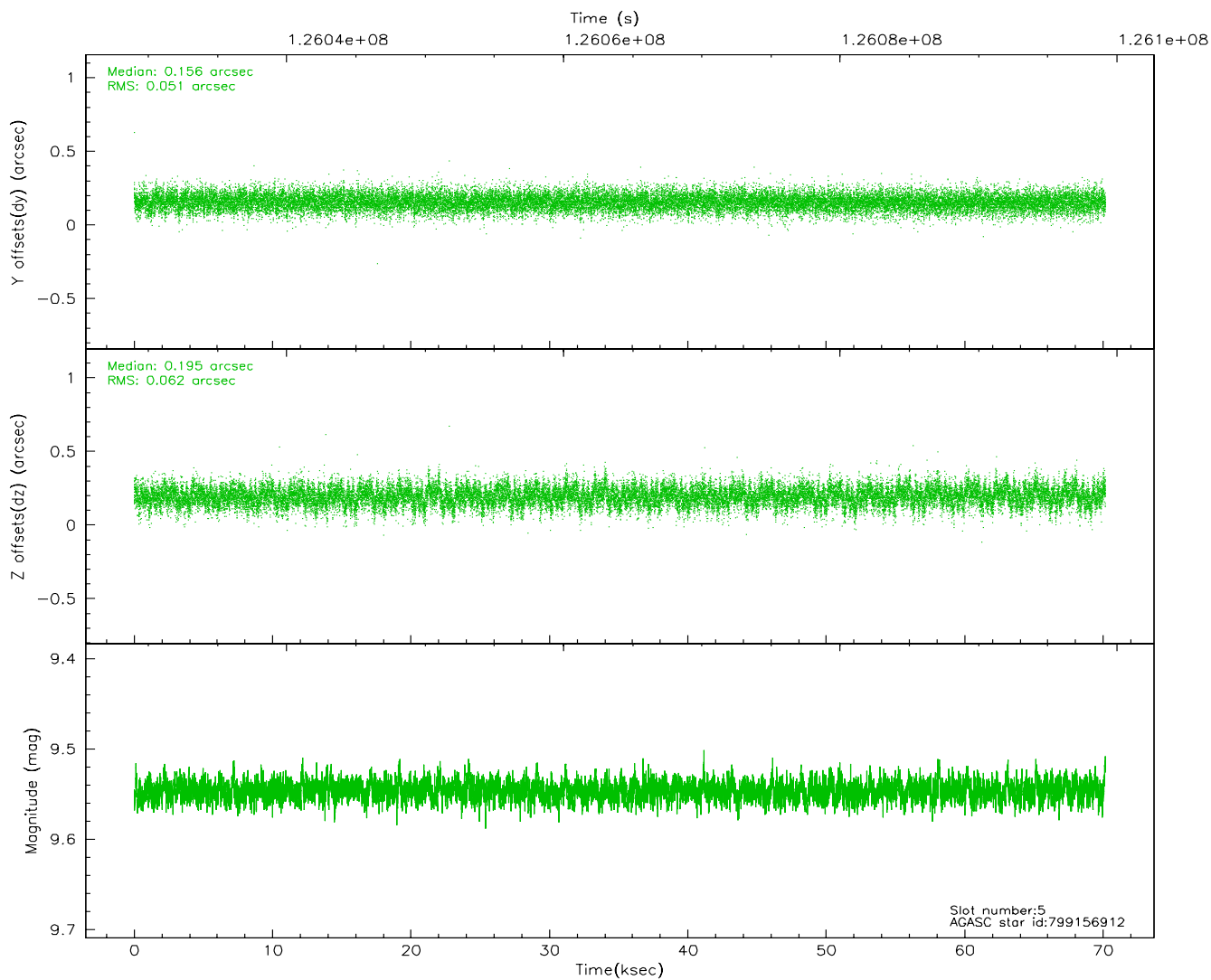
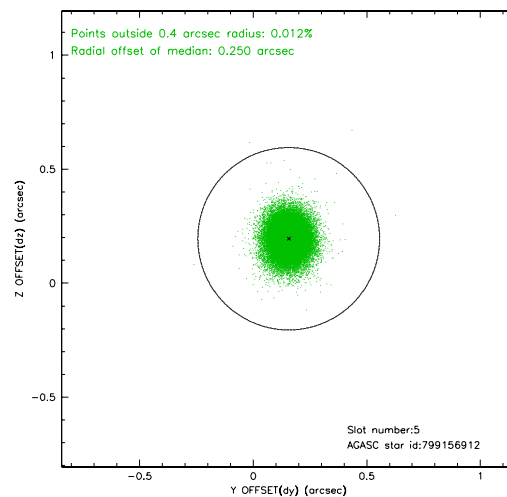
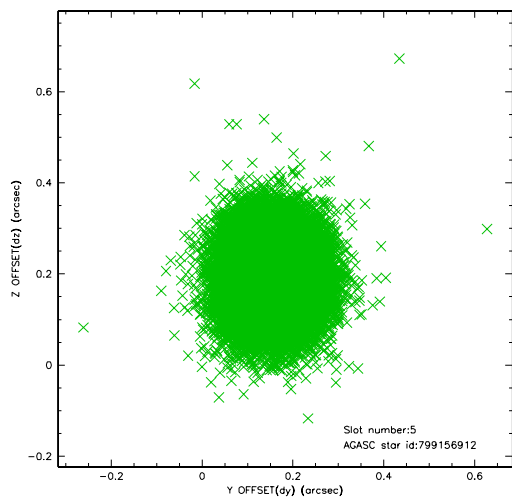
2.4.1 Slot 3



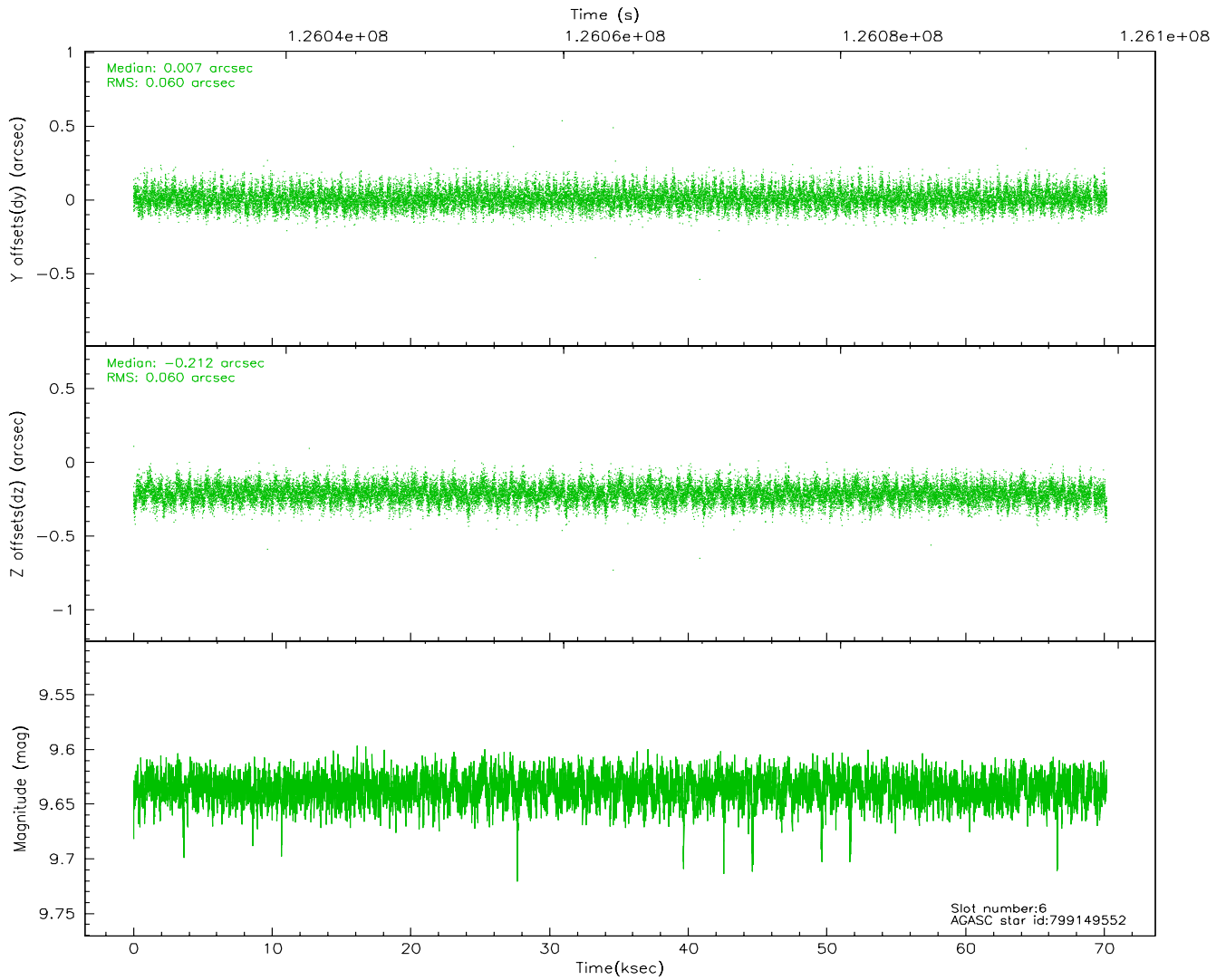
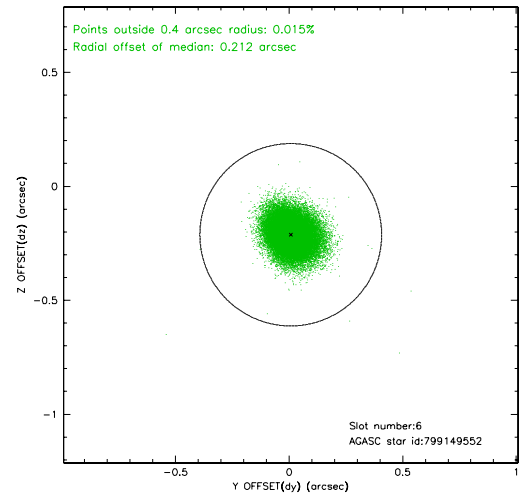
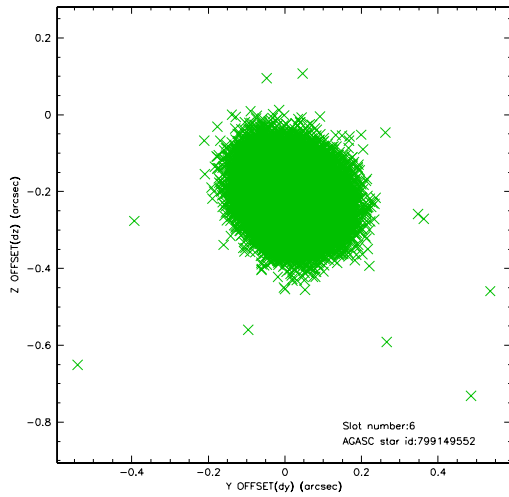
2.4.2 Slot 4



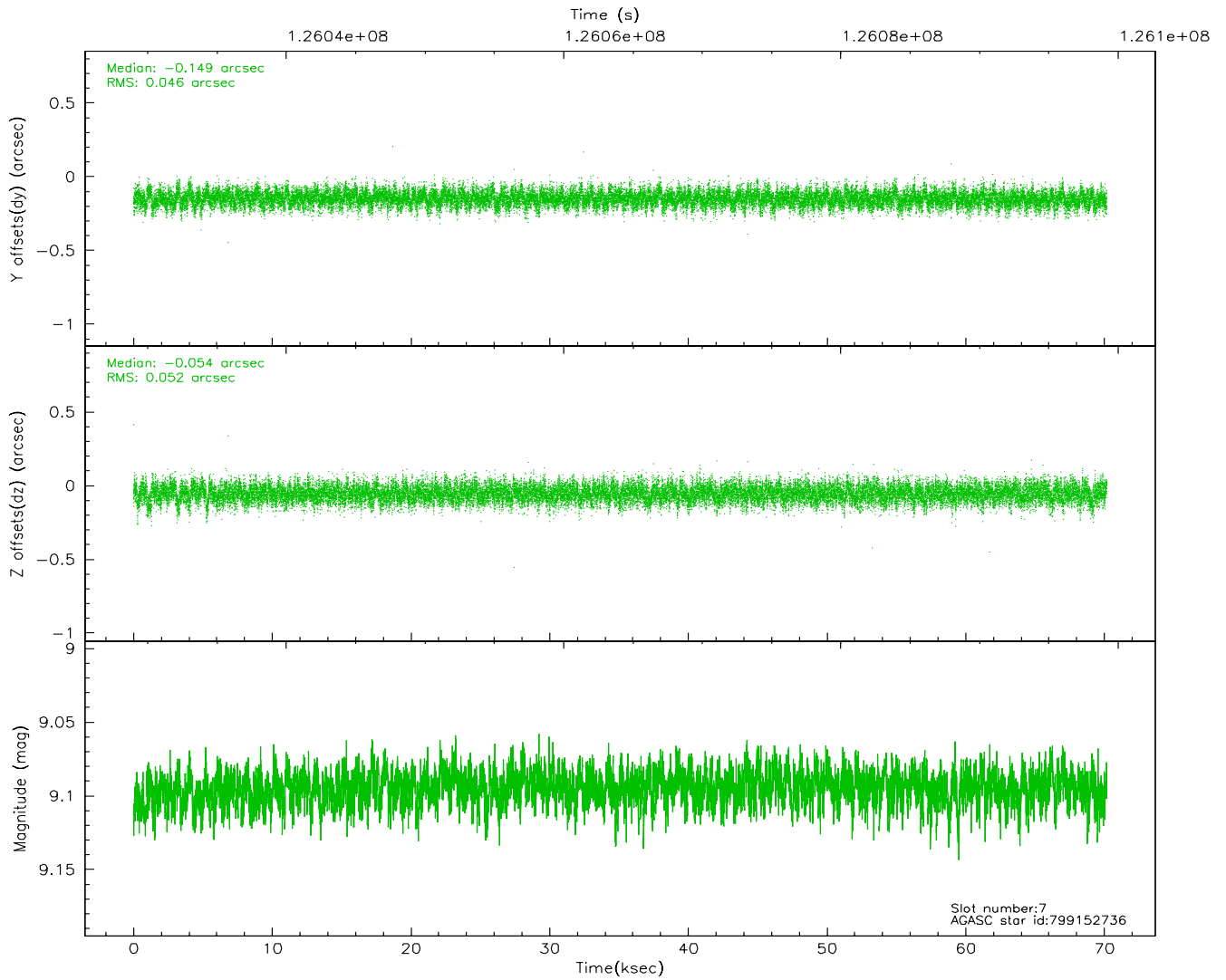
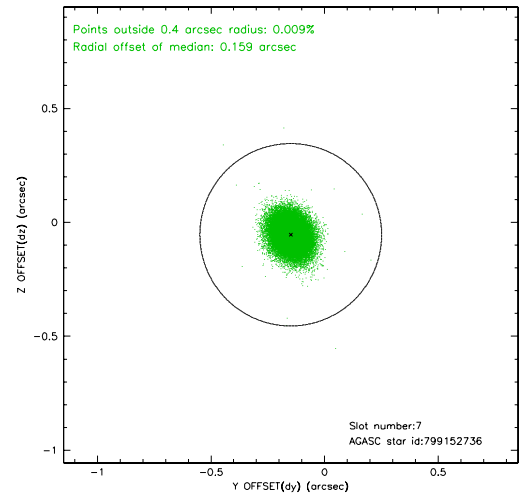
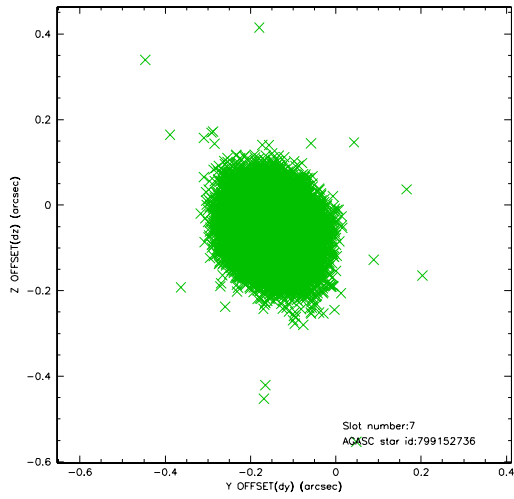
2.4.3 Slot 5



2.4.4 Slot 6

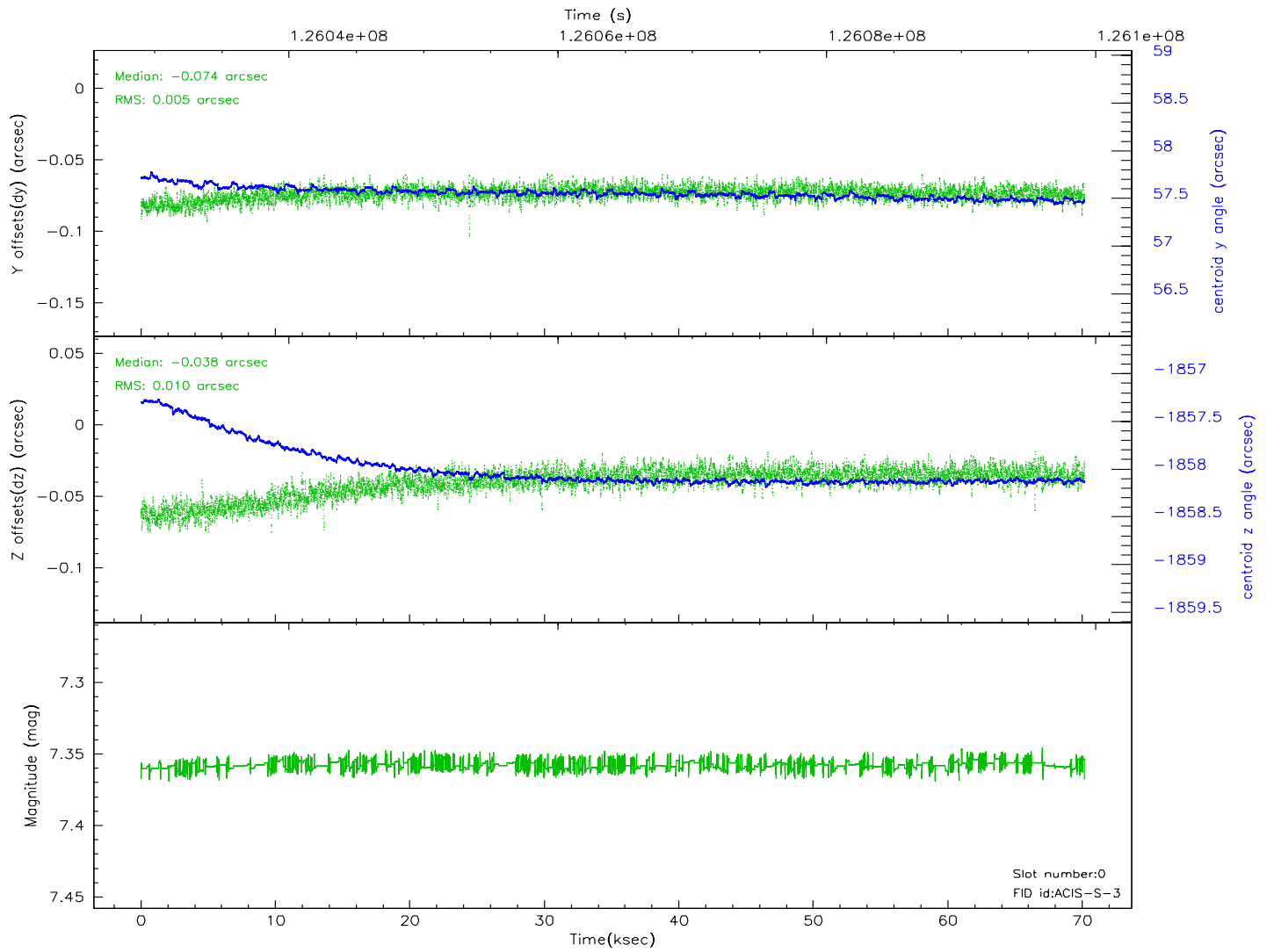
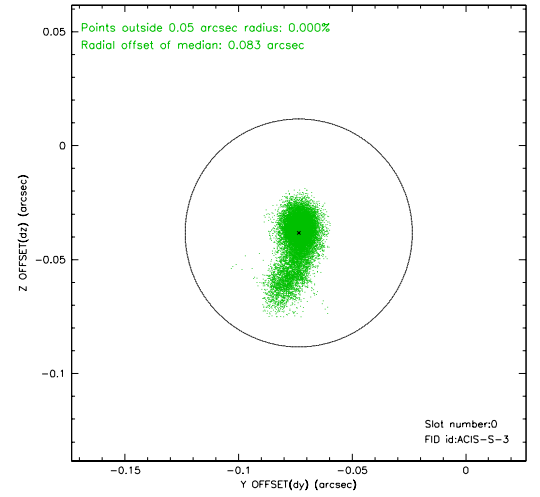
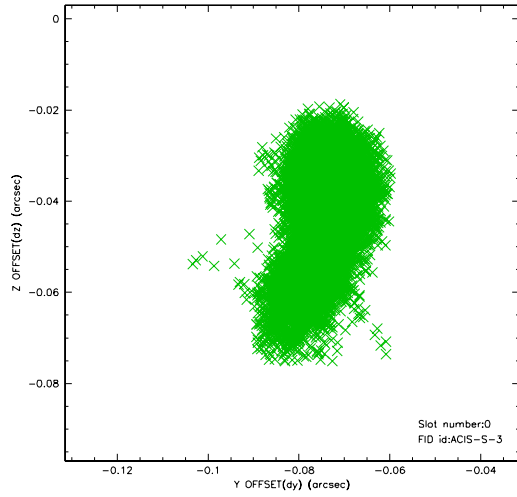


2.4.5 Slot 7

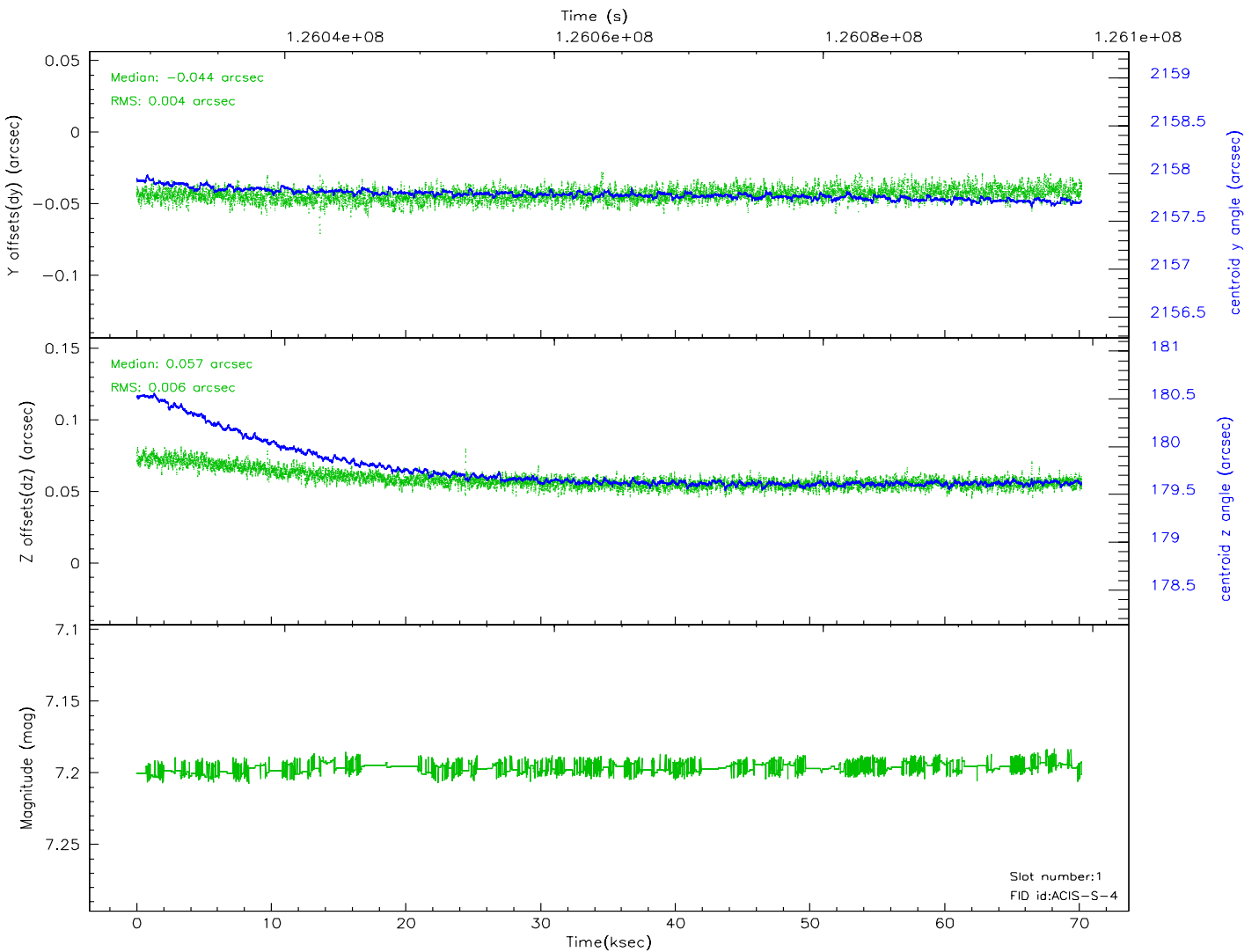
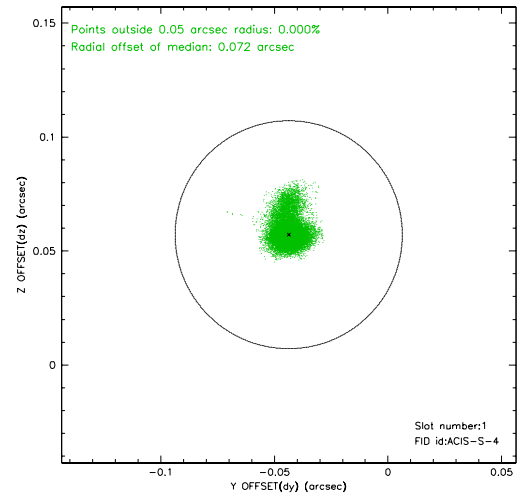
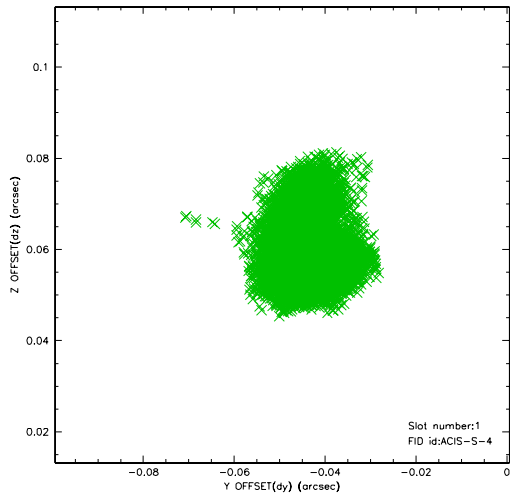


2.5 FID Slots

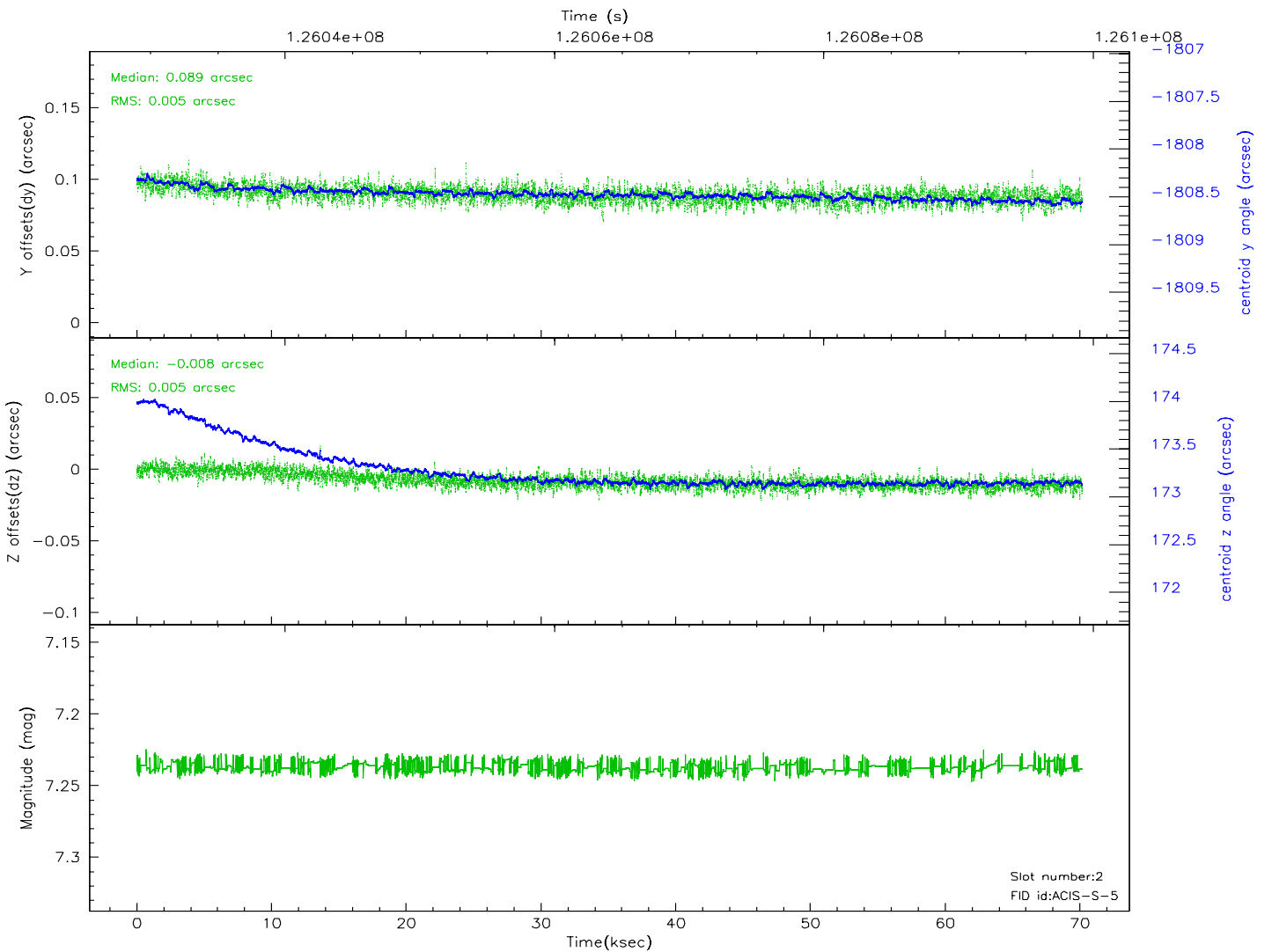
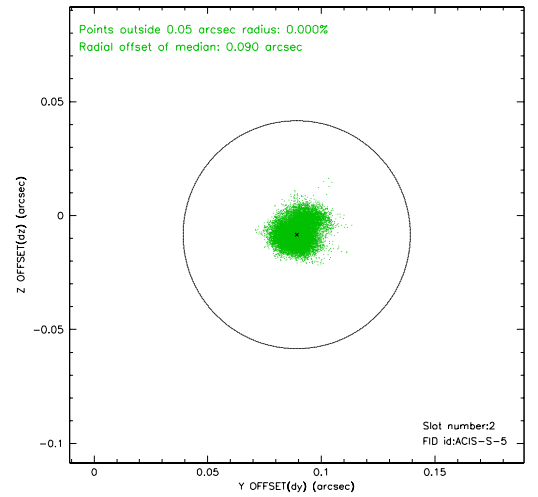
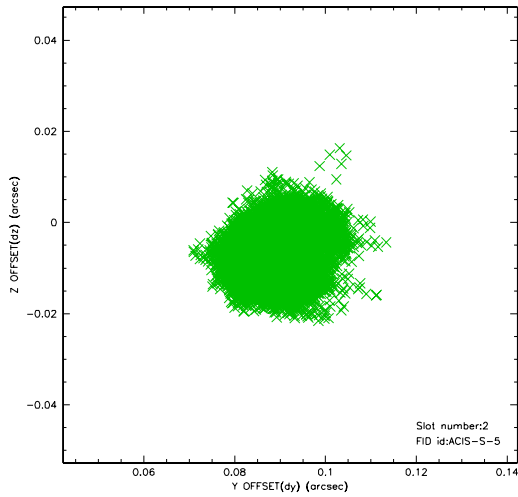
2.5.1 Slot 0



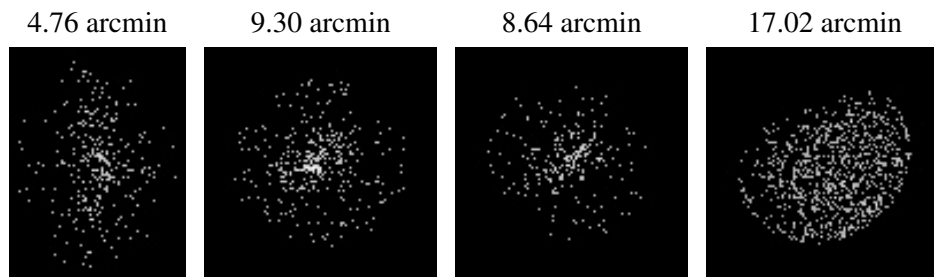
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.01.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	69.932

A.2 Comments