

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 1550 - L2 Version 3
Chandra X-Ray Center

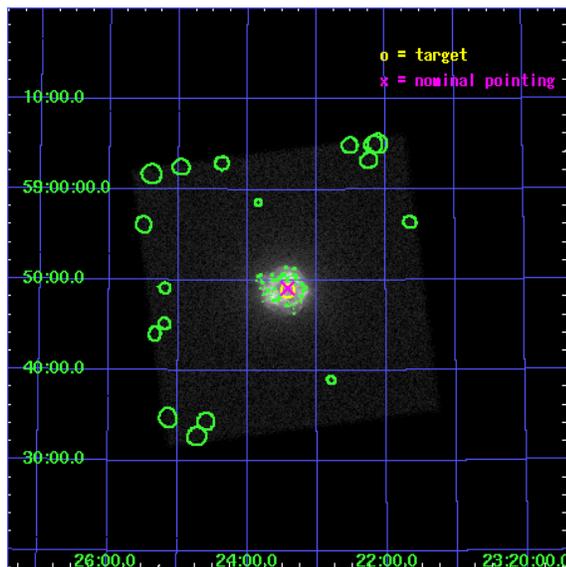
L2 Processing Date : Nov 20 2007

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1 Front

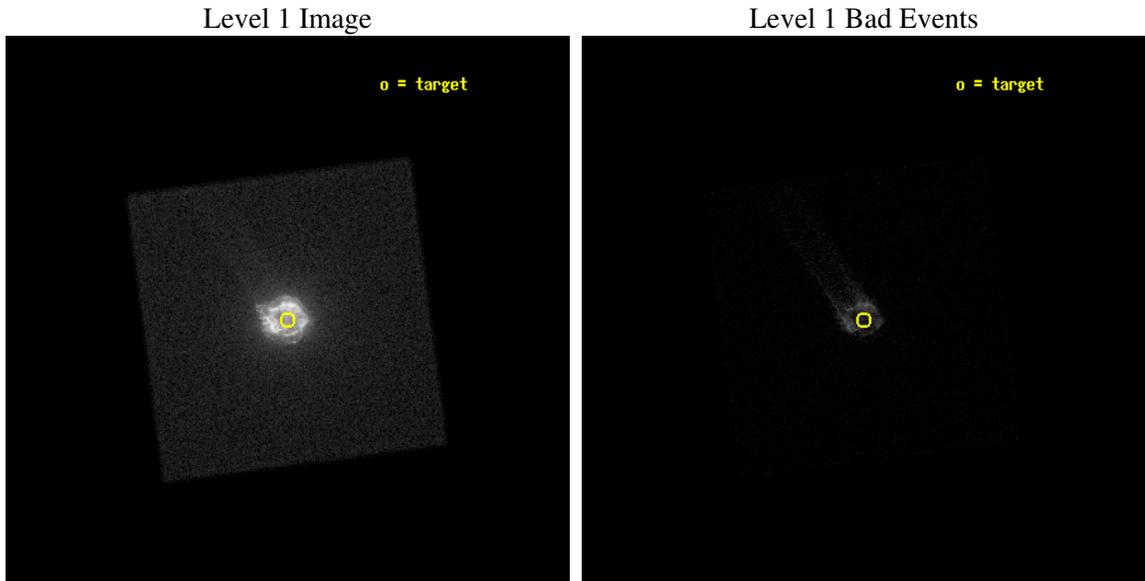
seq_num	590159
obs_id	1550
title	CALIBRATION OBSERVATIONS OF THE STANDARD CANDLE CAS A
observer	Dr. CXC Calibration
object	CAS A [HRC-I, Offsets=0,0,0 HRC-I, AO2B]
ra_targ	350.8575
dec_targ	58.814833
ra_nom	350.85539093089
dec_nom	58.818674511829
roll_nom	127.55904060675
revision	3
ontime	4871.0564405471
livetime	4813.2168975871
l2events	561066



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.11.2
caldbver	3.4.1
date	2007-11-20T17:42:19
revision	3

sched_exp_time	5000.000000
ontime	4871.0564405471
l1events	706796

2.1.3 Events

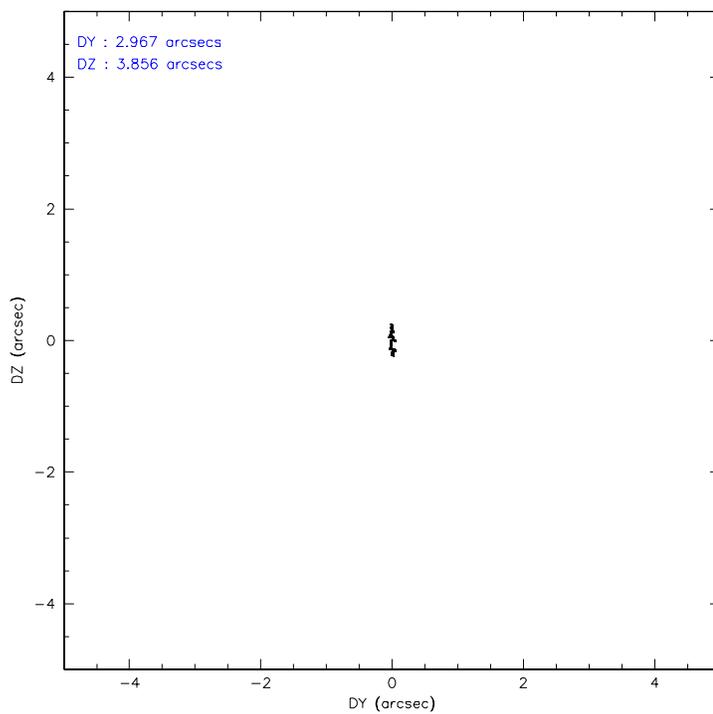
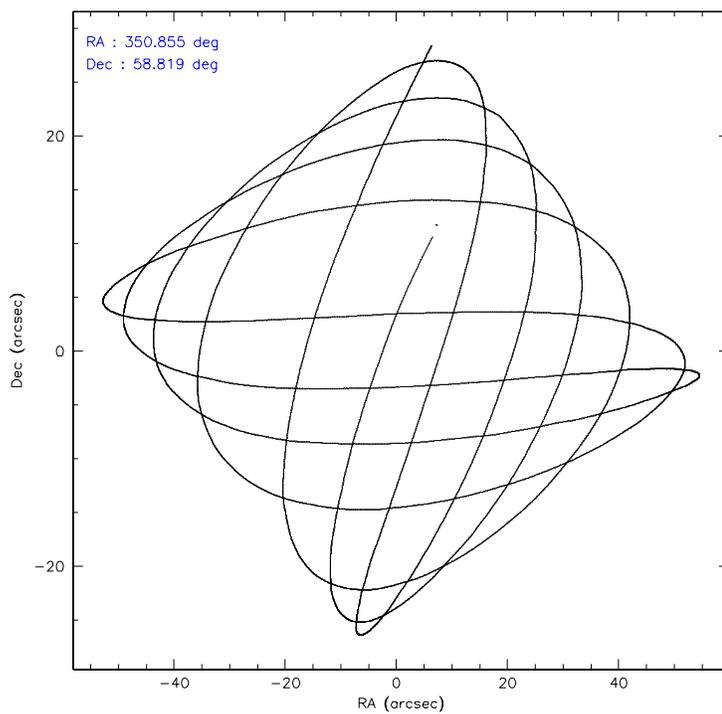
Level 1 Events

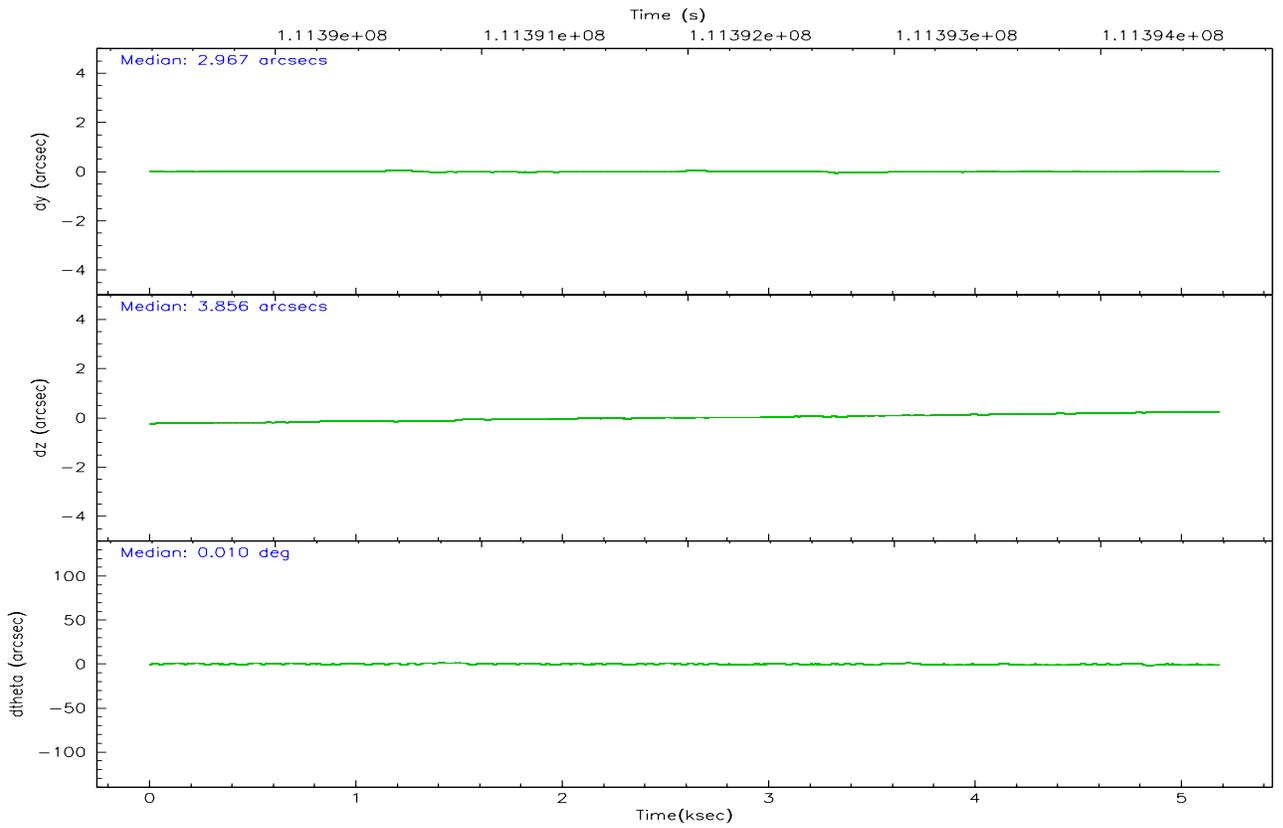
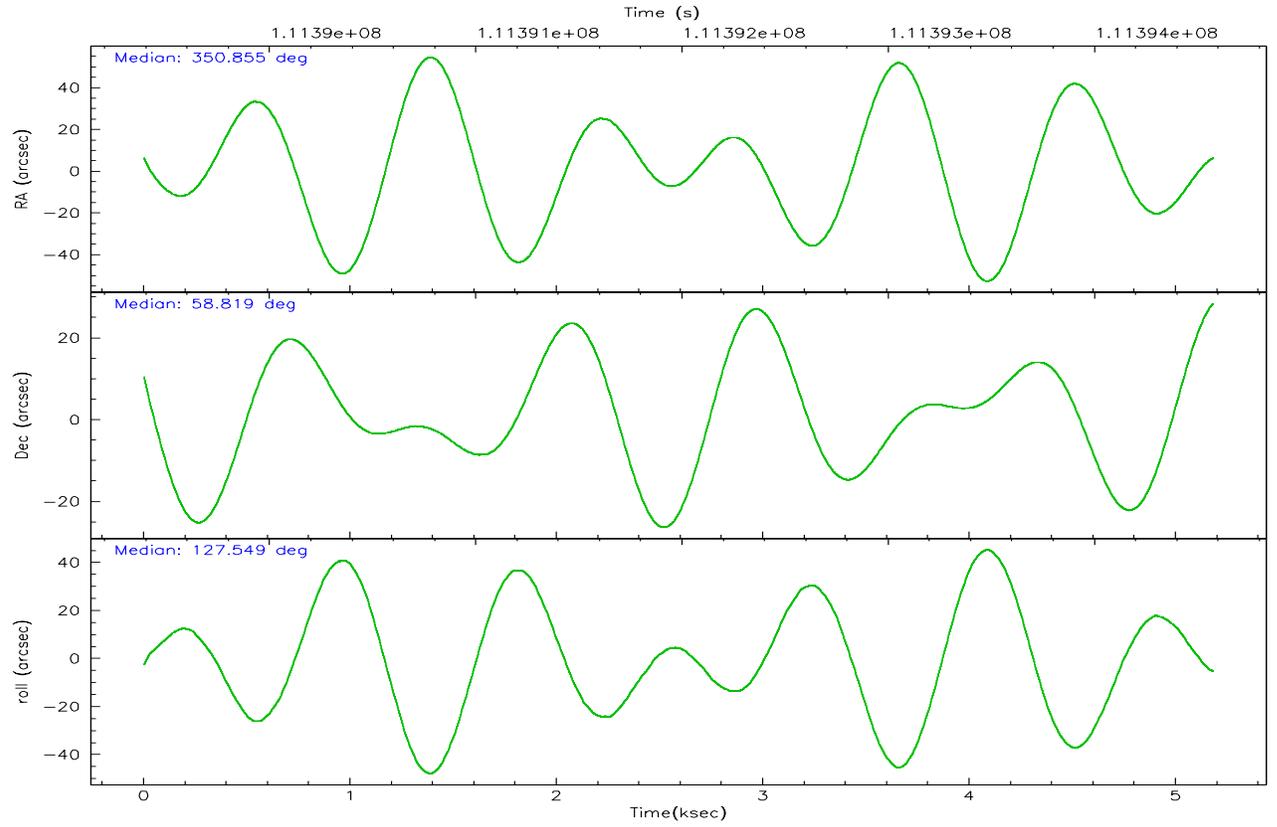
	segment 0
level 1 events	706796
rejected events	42656
rejected %	6%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	350.904257	350.8553909308883			
Pointing Dec	58.809102	58.81867451182892			
Pointing Roll	127.612732	127.5590406067544			
Window start time	110332864.184000	110332864.184000			
Window stop time	112838464.184000	112838464.184000			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9829799899862			
SIM translation stage offset (mm)	0	0.002508901615314585			
Observation start time	111389575.184000	111389163.18548			
Observation start date	2001-07-13T05:31:51	2001-07-13T05:26:03			
Observation end time	111394575.184000	111395263.47321			
Observation end date	2001-07-13T06:55:11	2001-07-13T07:07:43			

2.3 Aspect



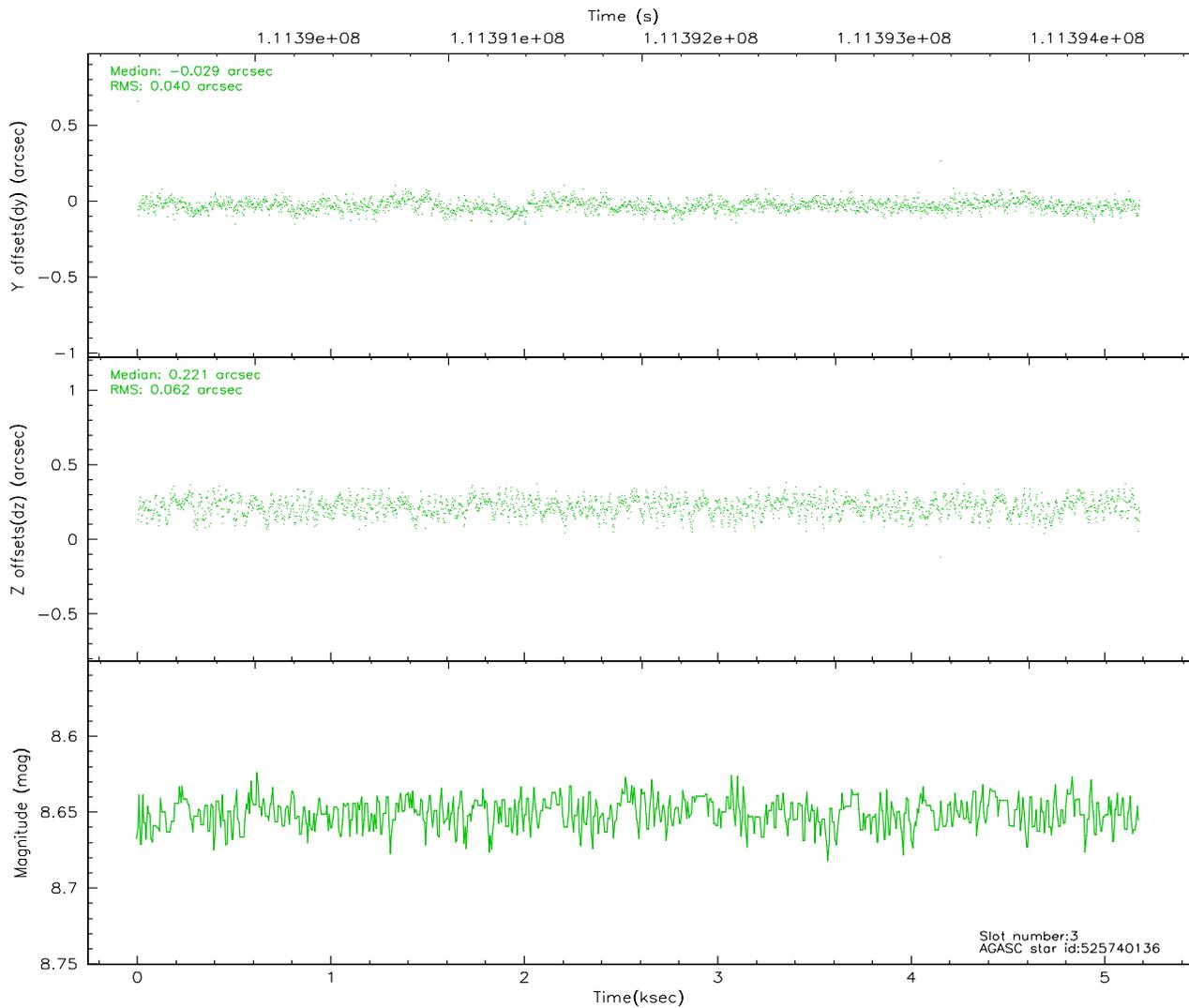
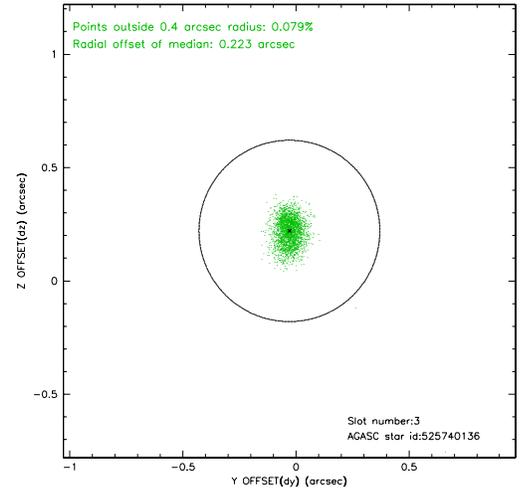
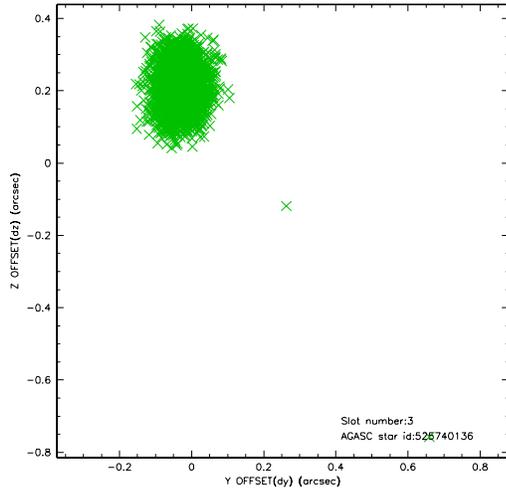


Slot Statistics

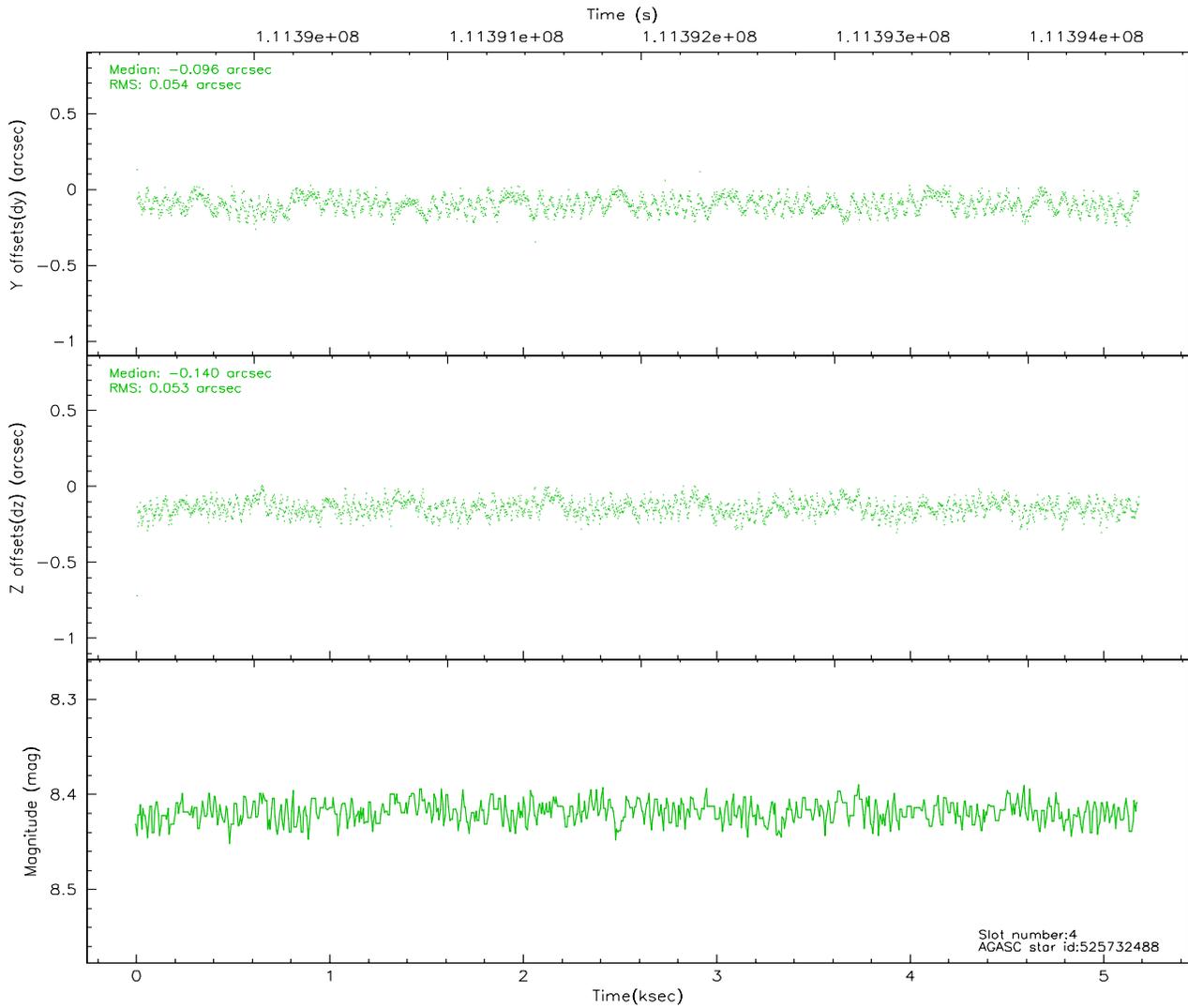
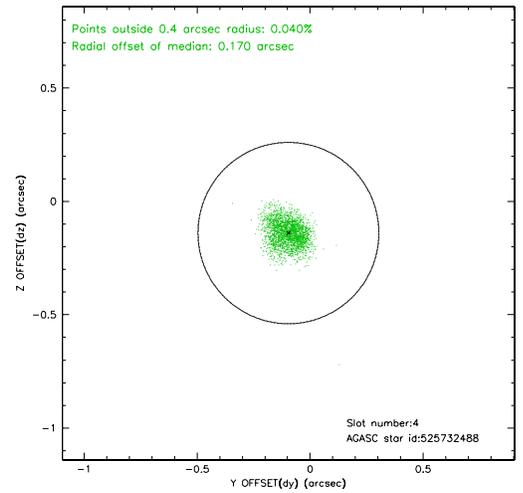
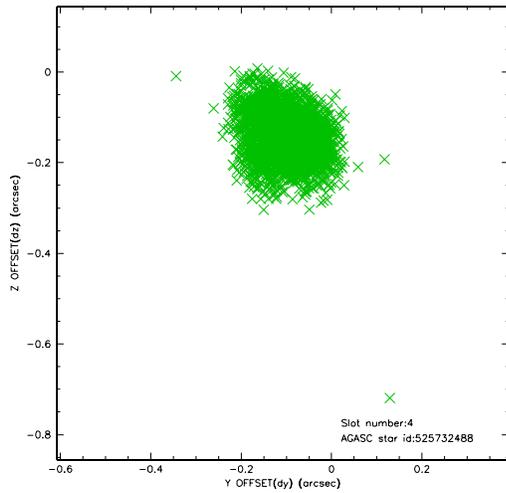
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	1264	0.063	0.059	0.008	0.014	0.000000	0.000000	-758.42	-1291.53
1	FID	HRC-I-3	7.04	1264	0.006	-0.078	0.010	0.017	0.000000	0.000000	-1187.50	1011.88
2	FID	HRC-I-4	6.99	1264	0.046	-0.069	0.006	0.012	0.000000	0.000000	1283.48	1011.25
3	GUIDE	525740136	8.65	2528	-0.029	0.221	0.075	0.122	352.585881	58.767876	-2001.10	-2420.07
4	GUIDE	525732488	8.42	2527	-0.096	-0.140	0.081	0.126	350.087090	58.516915	111.12	1852.02
5	GUIDE	525735976	8.89	2527	0.054	-0.320	0.089	0.139	350.142956	58.277622	-629.47	2304.48
6	GUIDE	525736400	9.07	2528	0.030	0.058	0.072	0.117	350.974563	59.175145	965.23	-906.02
7	GUIDE	525732528	9.36	2526	0.036	0.182	0.105	0.165	351.607241	59.298932	615.01	-2104.11

2.4 Star Slots

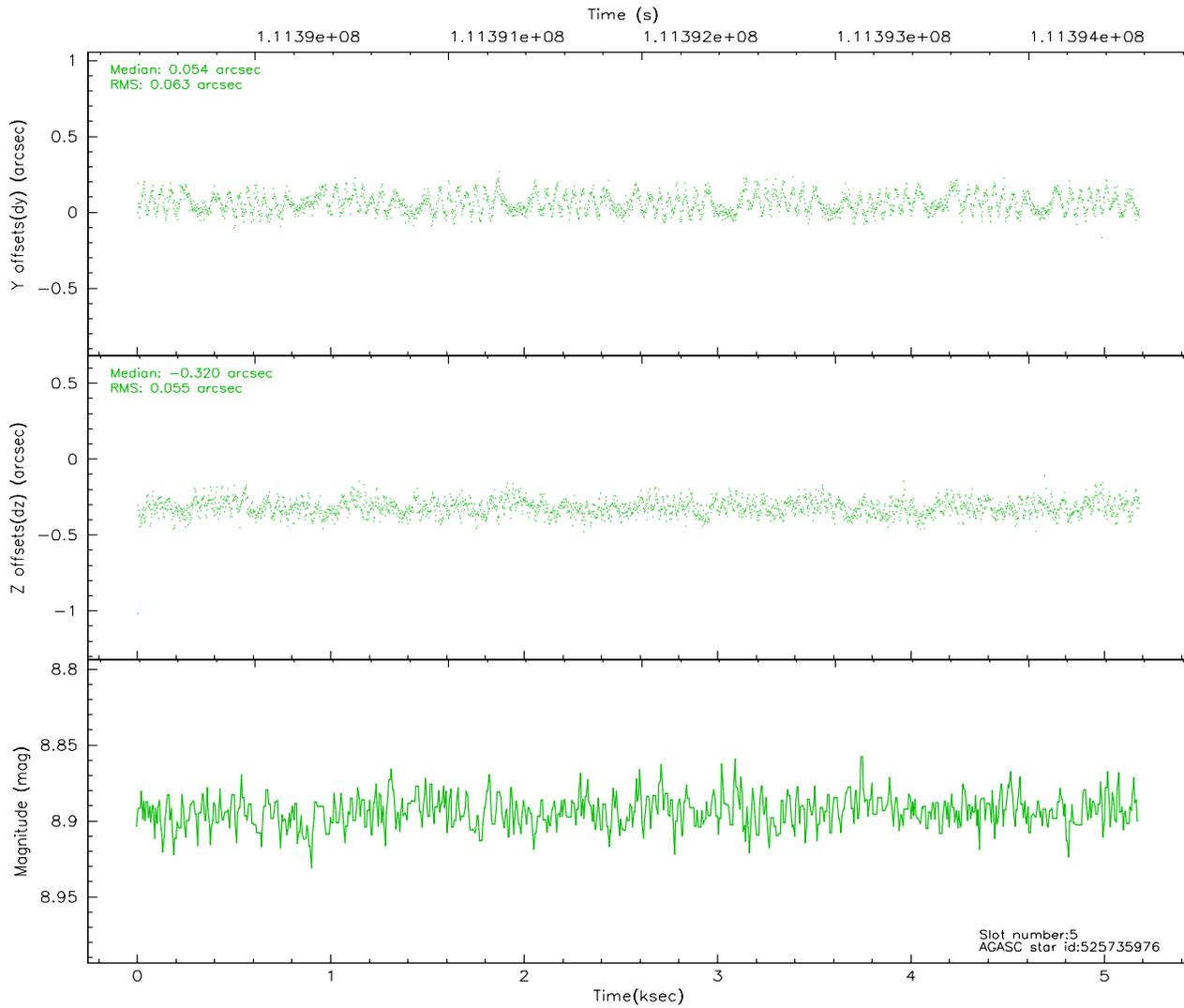
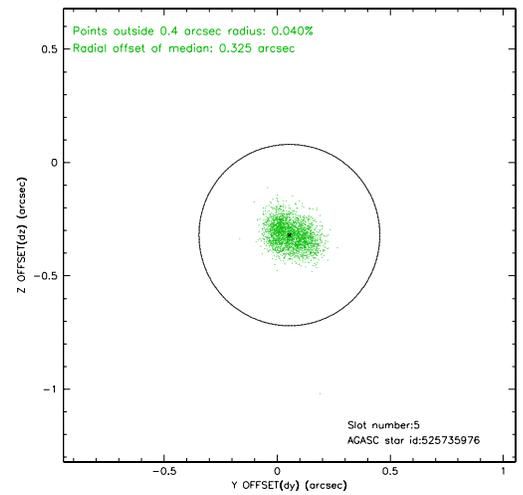
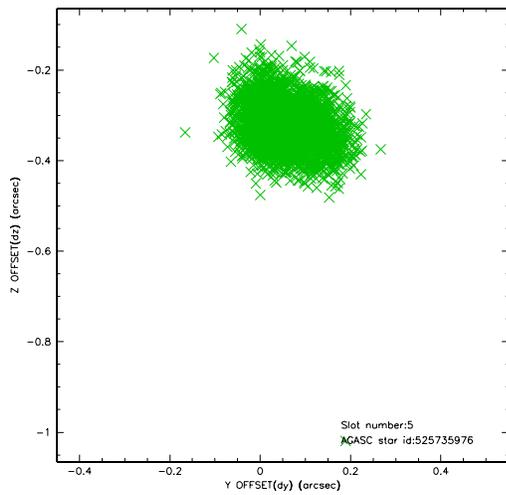
2.4.1 Slot 3



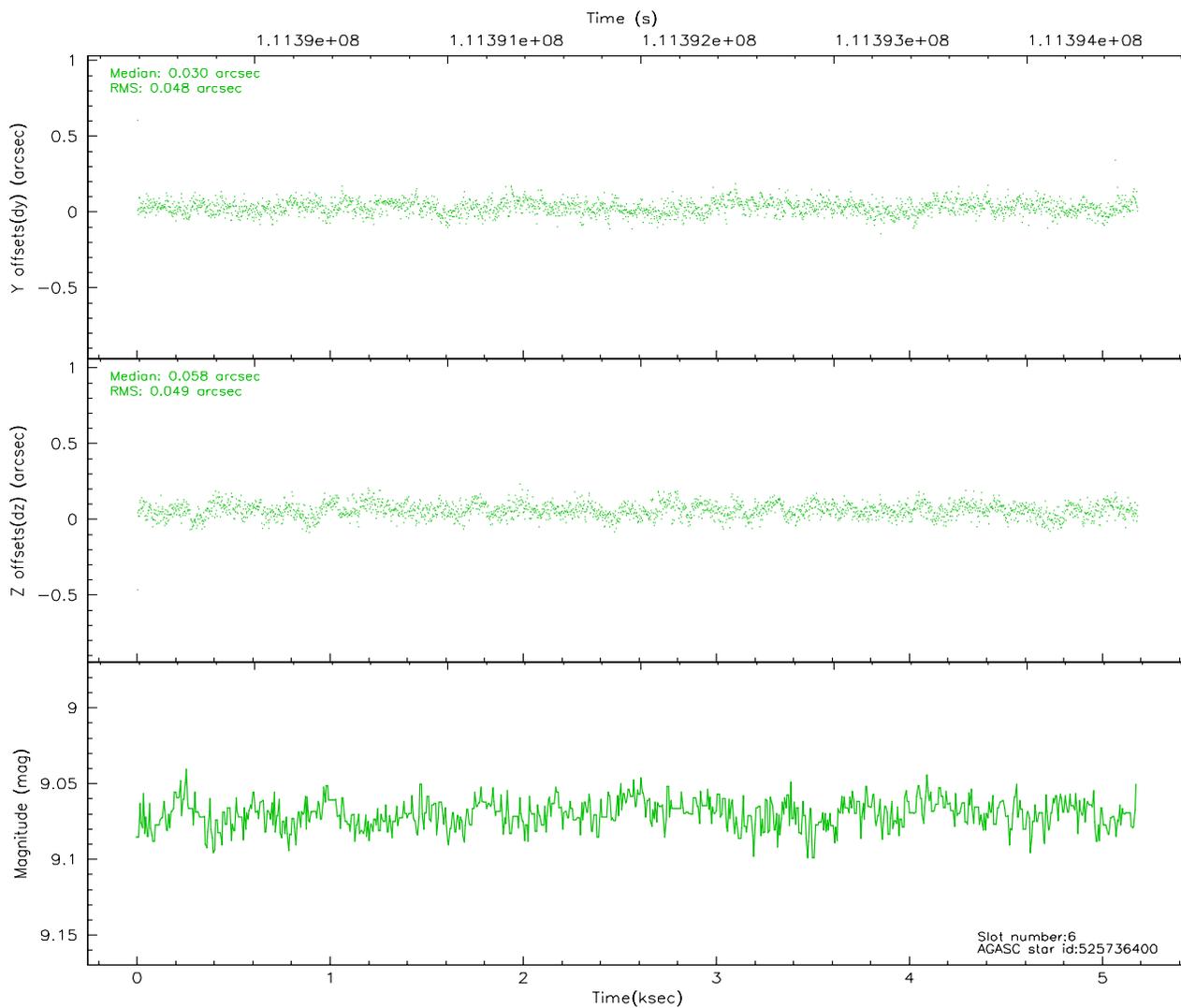
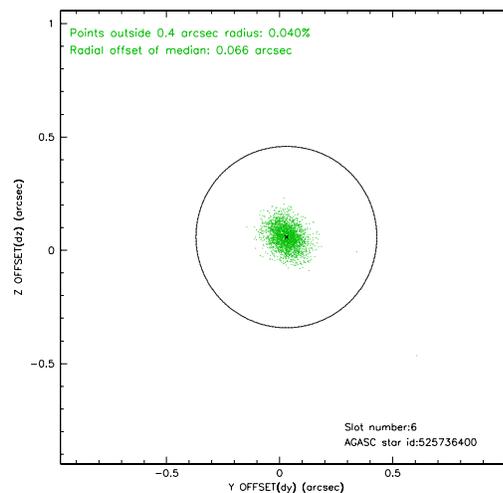
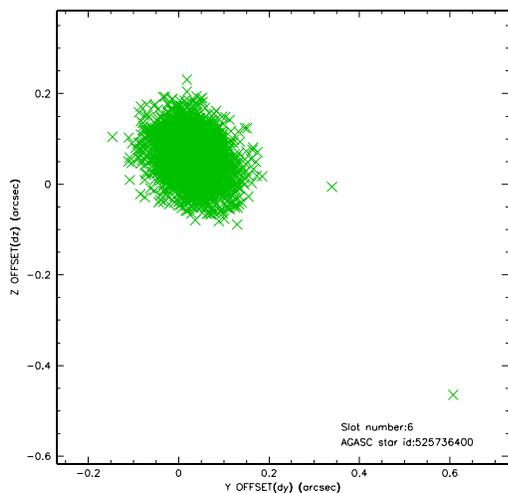
2.4.2 Slot 4



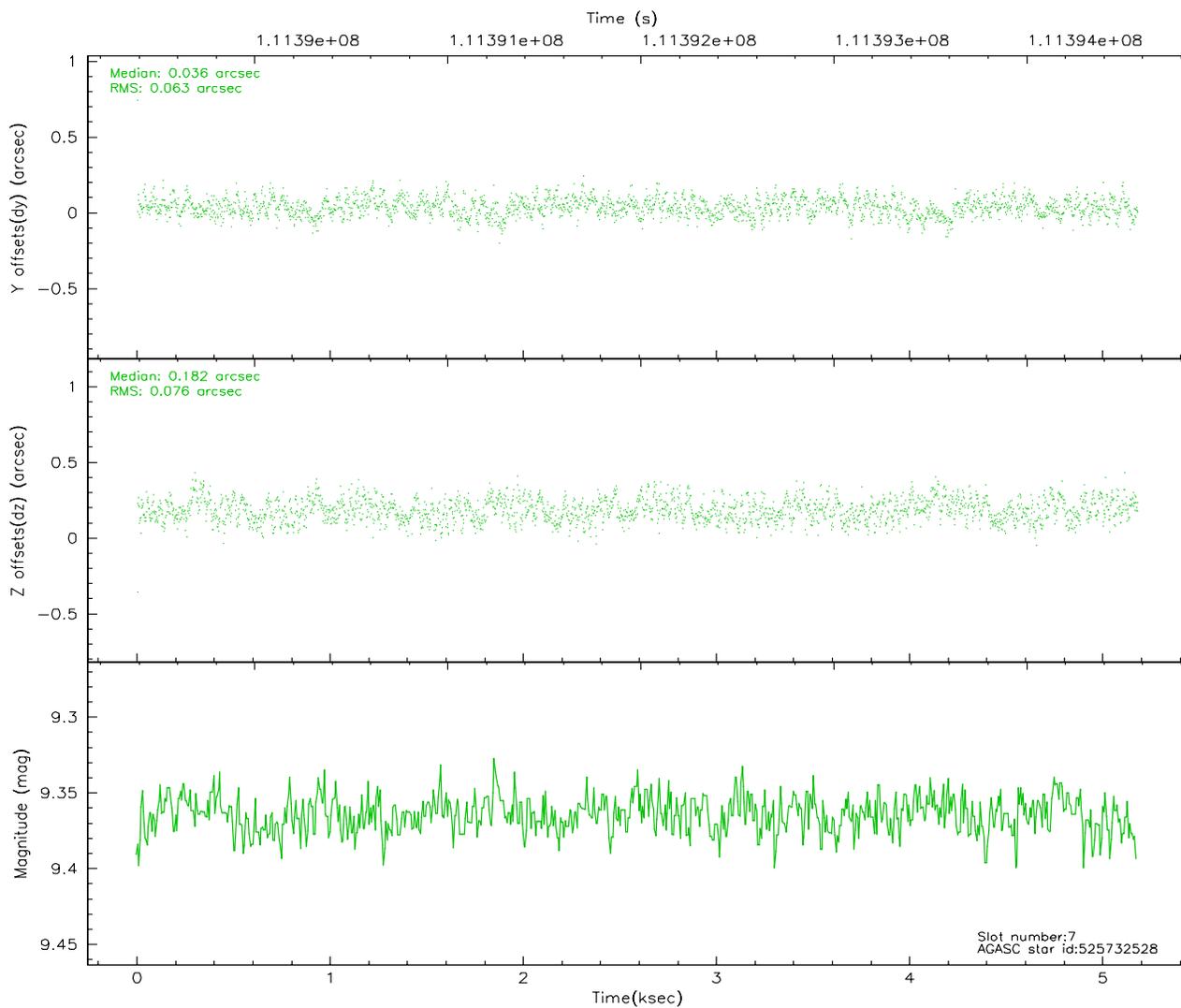
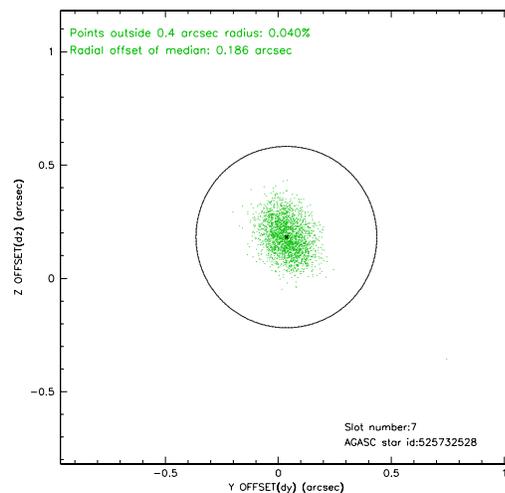
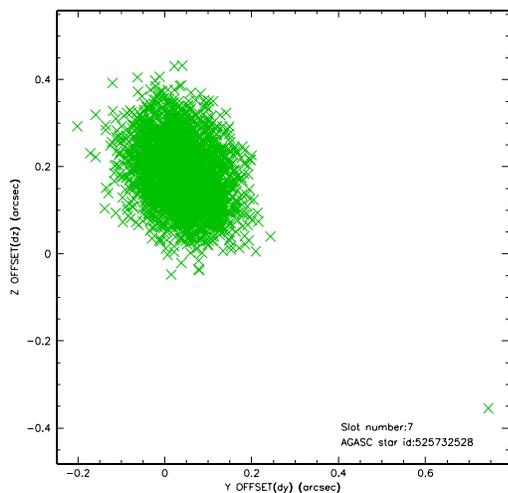
2.4.3 Slot 5



2.4.4 Slot 6

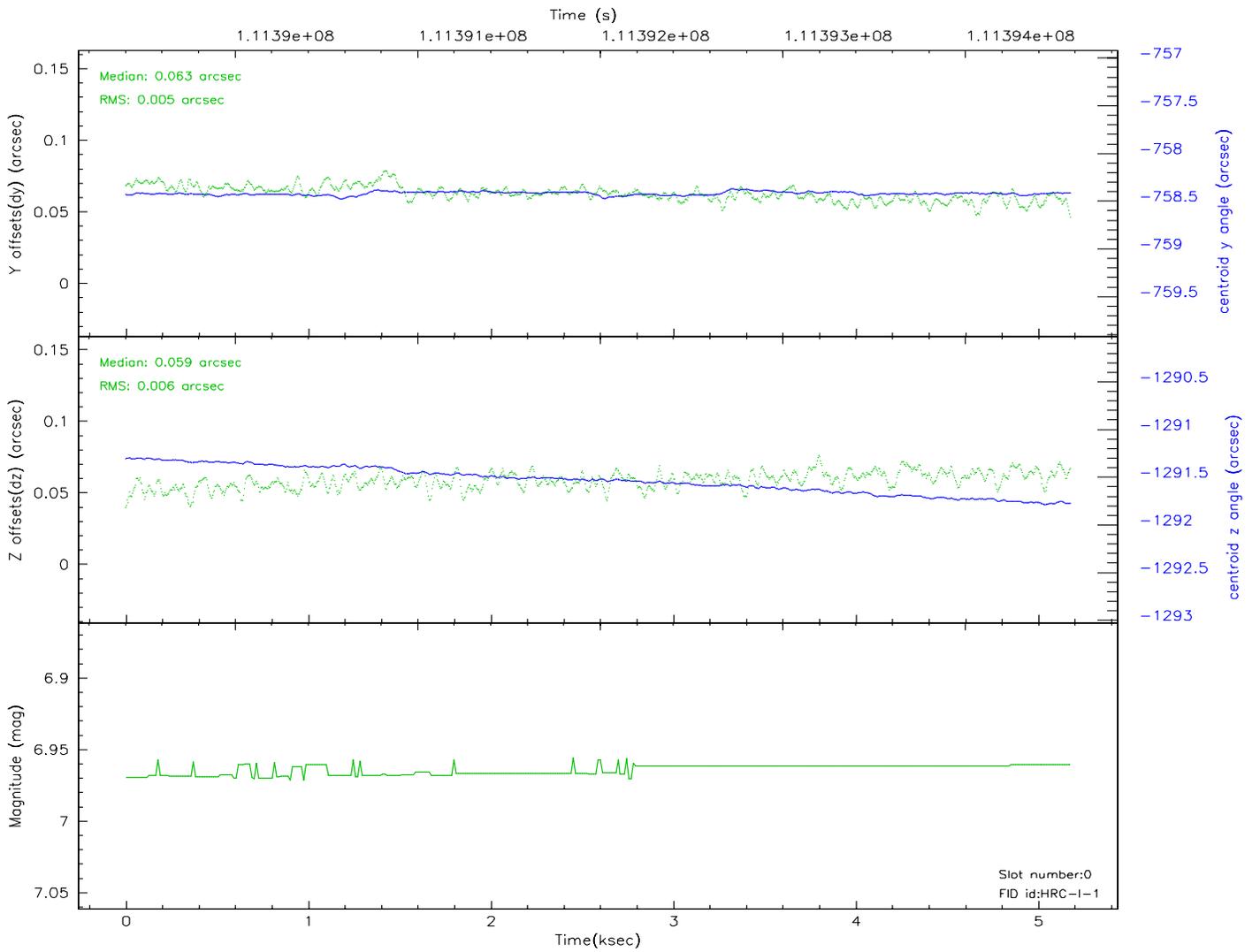
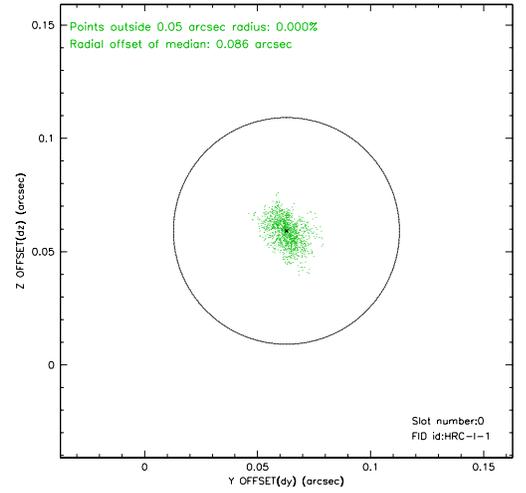
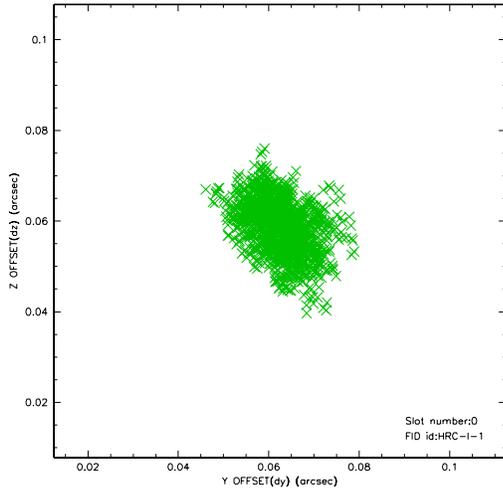


2.4.5 Slot 7

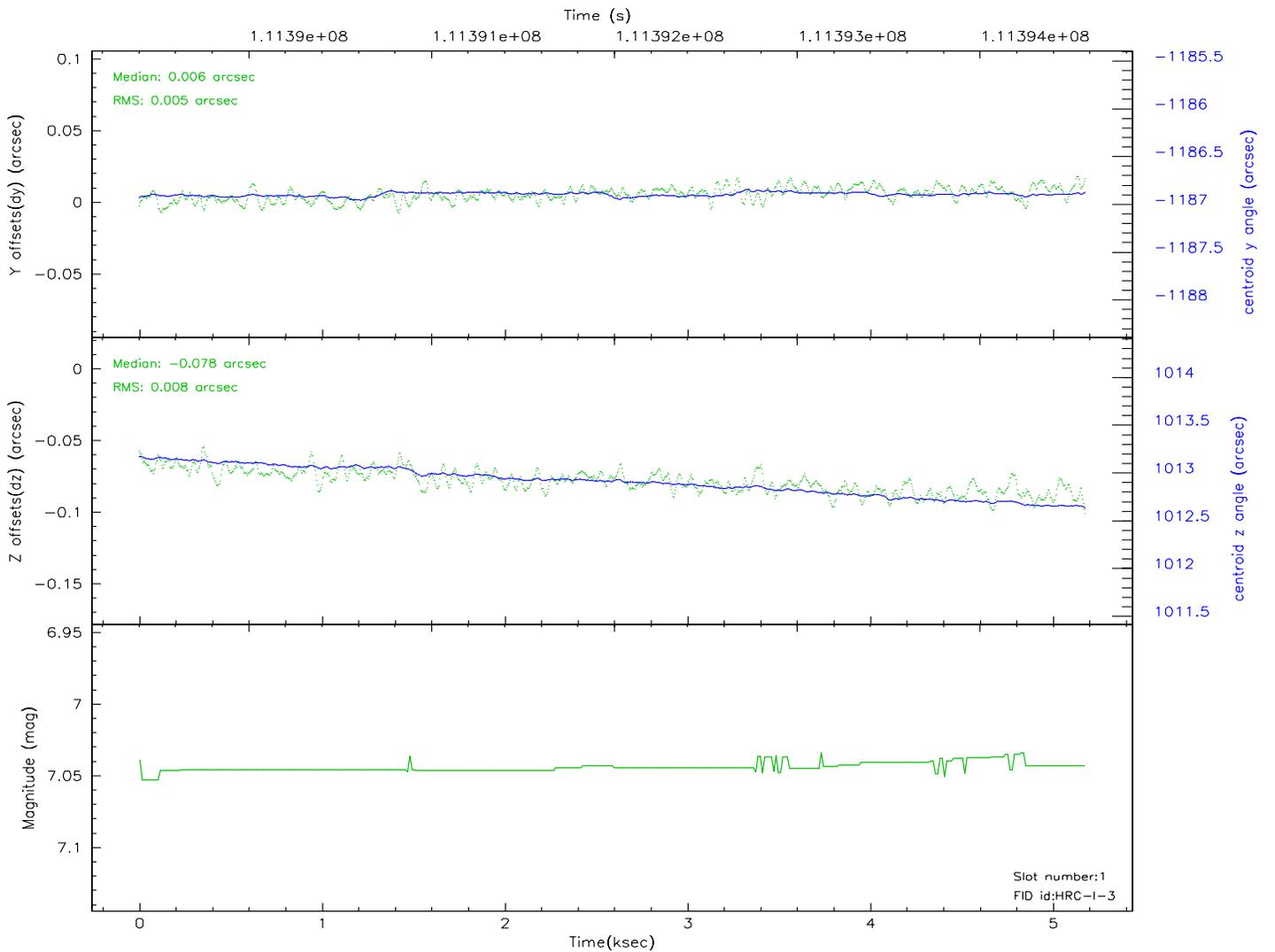
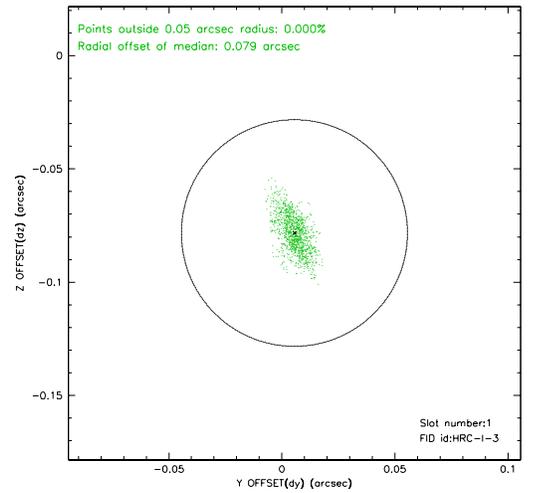
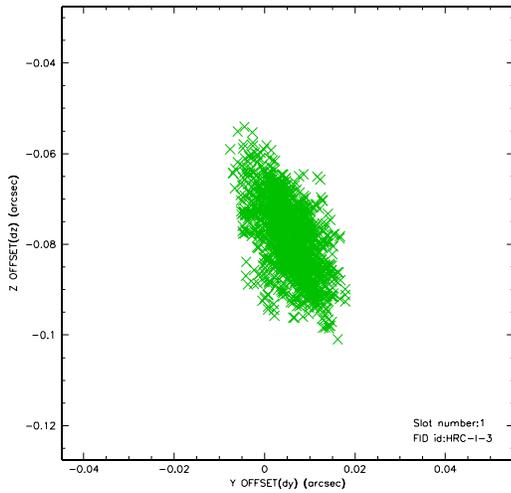


2.5 FID Slots

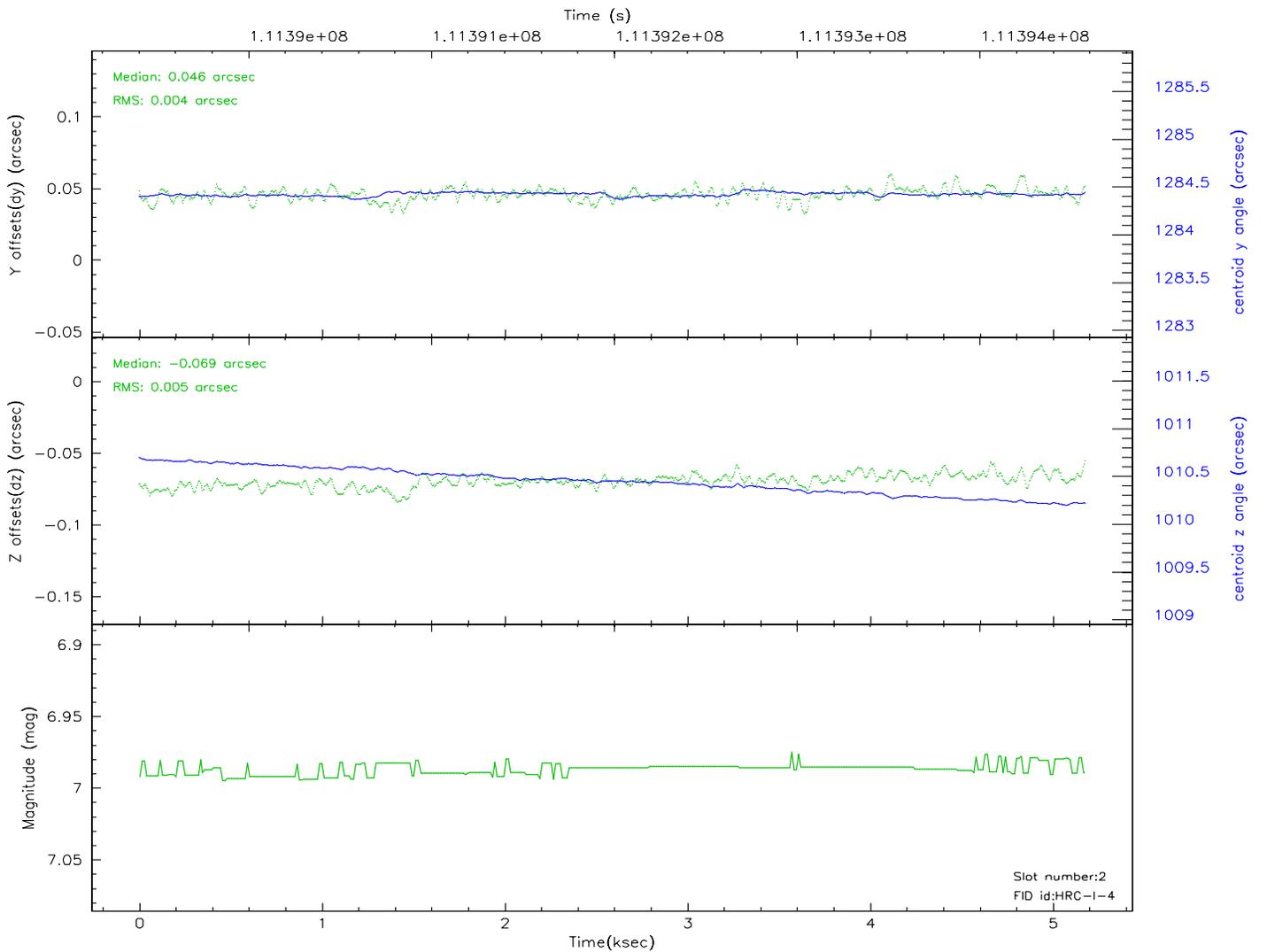
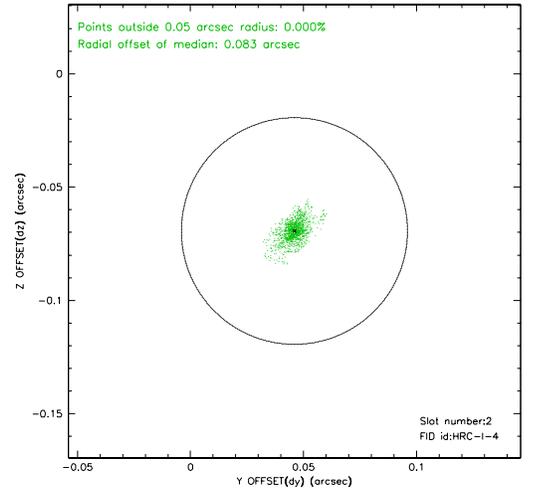
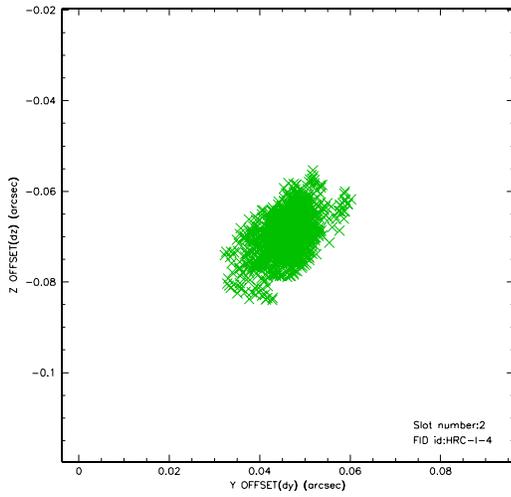
2.5.1 Slot 0



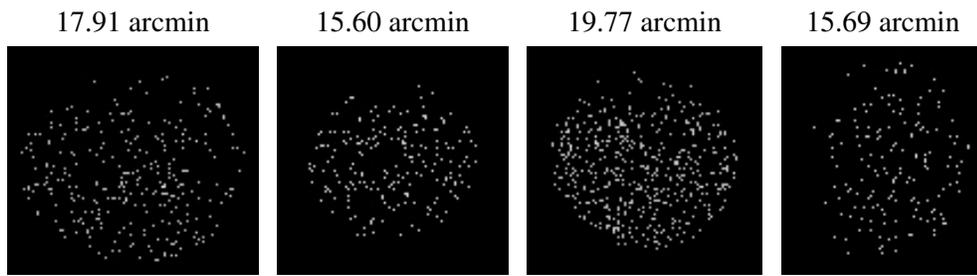
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.871

A.2 Comments

Window constraint met.

The current observation has been reprocessed as part of Repro III ('C' supplement) the purpose of which is to update all HRC-I ObsIDs since Jan 2000 to the latest calibrations available for that configuration. Specifically, we are updating the DEGAP solution and the Gain Maps applied. For more information see the Repro IIIC web page at

<http://asc.harvard.edu/cda/repro3.html#IIIC>

and the associated links.