

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 2937 - L2 Version 3
Chandra X-Ray Center

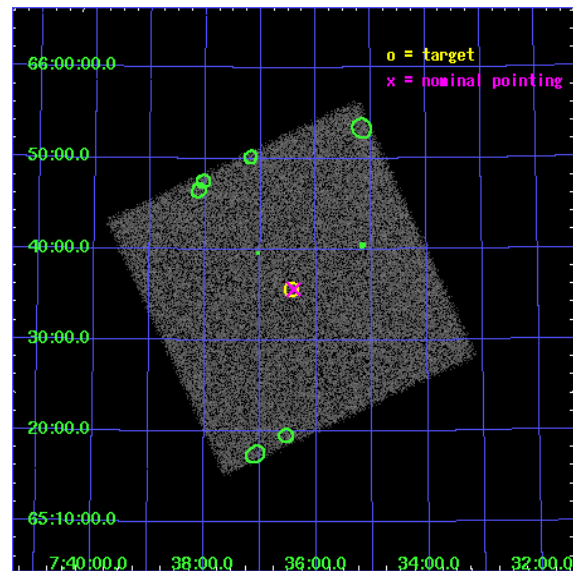
L2 Processing Date : Nov 21 2007

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1 Front

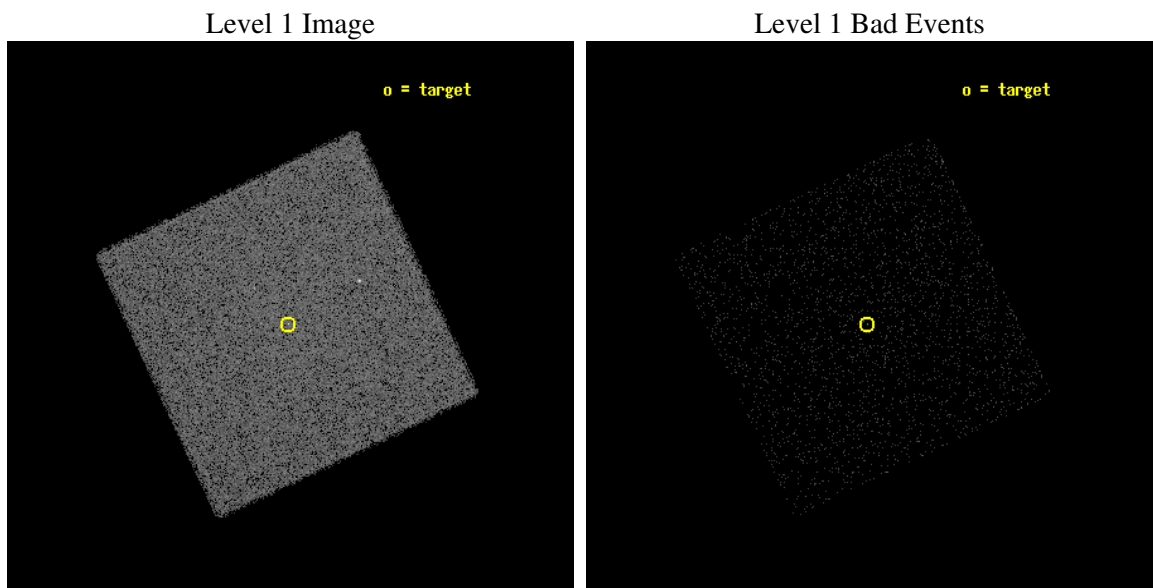
seq_num	600274
obs_id	2937
title	UNVEILING THE NATURE OF ULTRA LUMINOUS X-RAY SOURCES IN NEARBY SPIRAL GALAXIES - REALLY ~100 SOLAR MASS BLACK HOLES ? -
observer	MR. MASAHIKO SUGIHO
object	NGC2403 S3
ra_targ	114.110417
dec_targ	65.593611
ra_nom	114.09942735501
dec_nom	65.59374543863
roll_nom	199.79559971207
revision	3
ontime	2766.7313614786
livetime	2752.230156734
l2events	73362



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1
ascdsver	7.6.11.2
caldbver	3.4.1
date	2007-11-21T19:12:02
revision	3

sched_exp_time	3000.000000
ontime	2766.7313614786
l1events	140792

2.1.3 Events

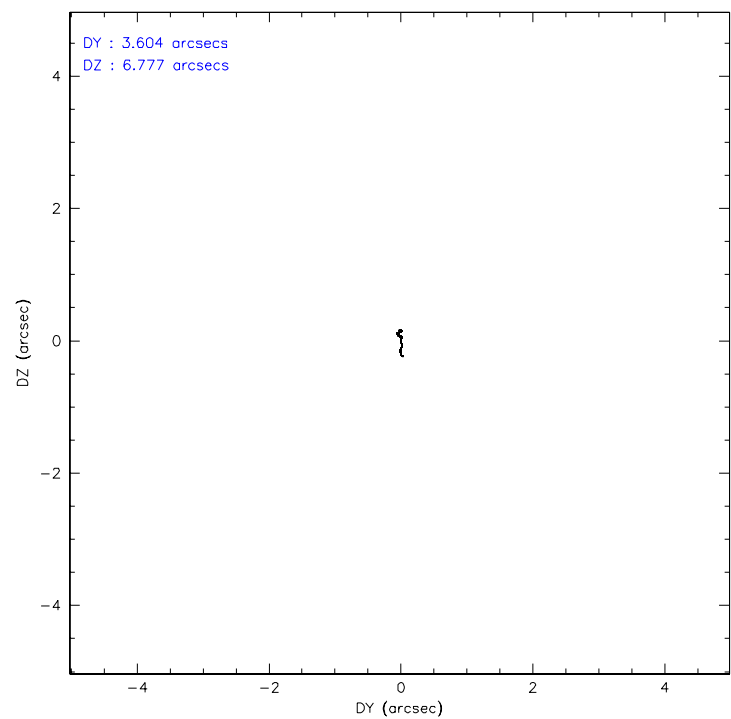
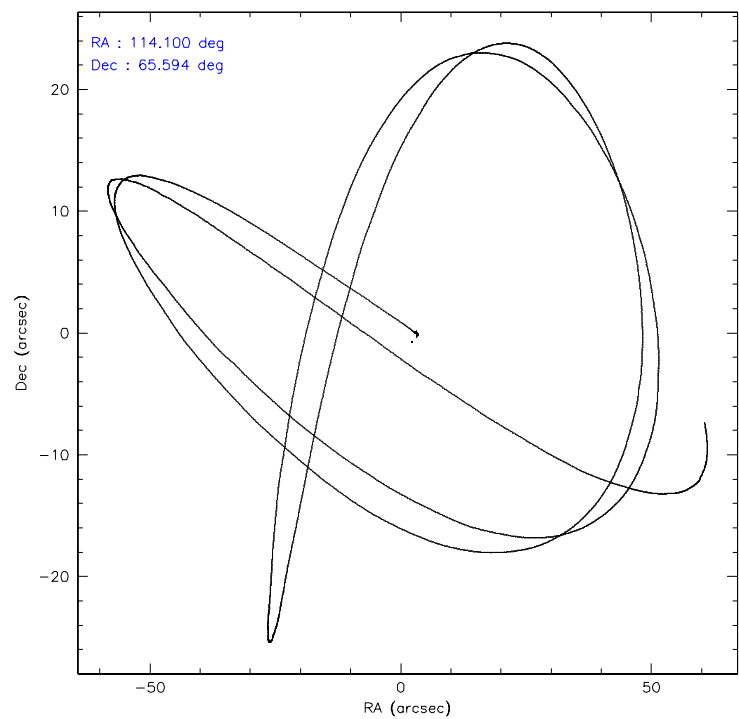
Level 1 Events

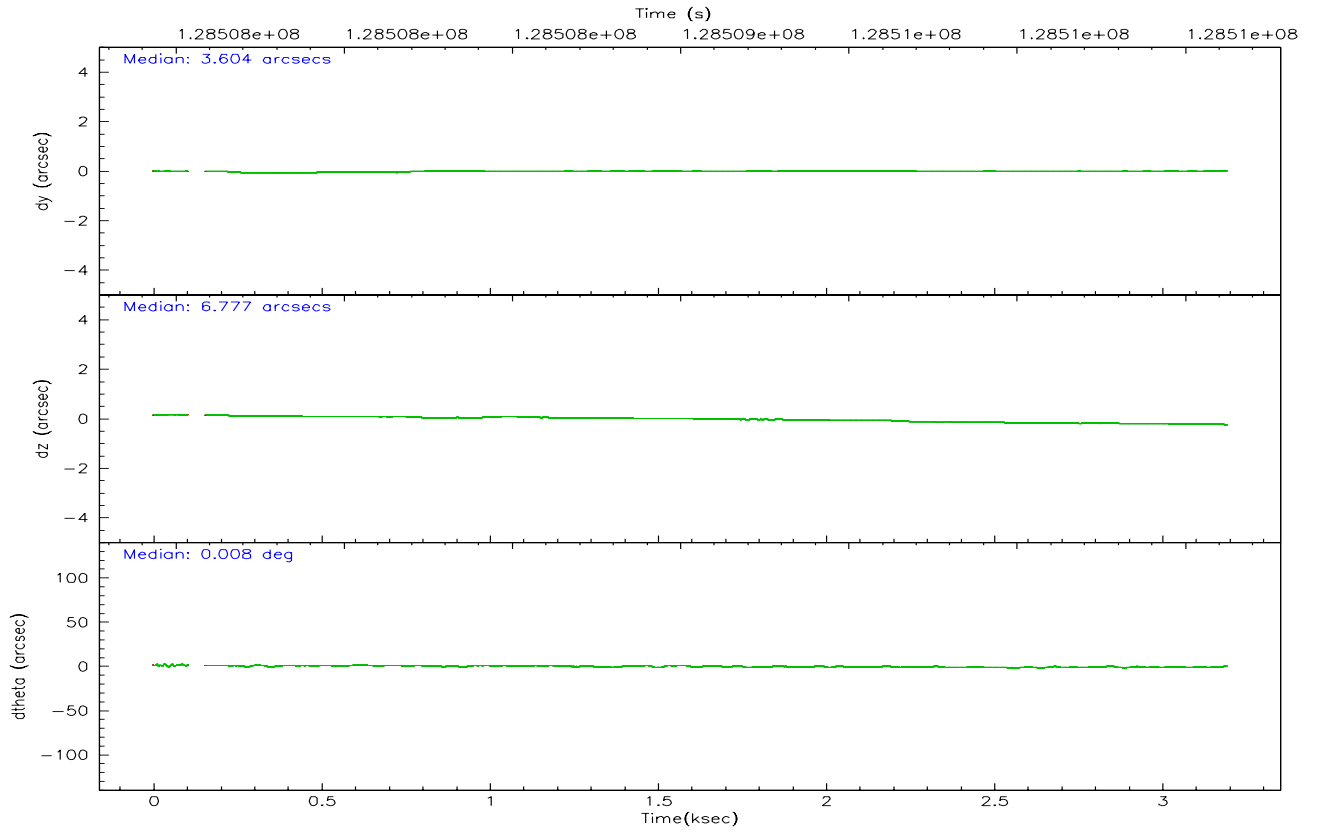
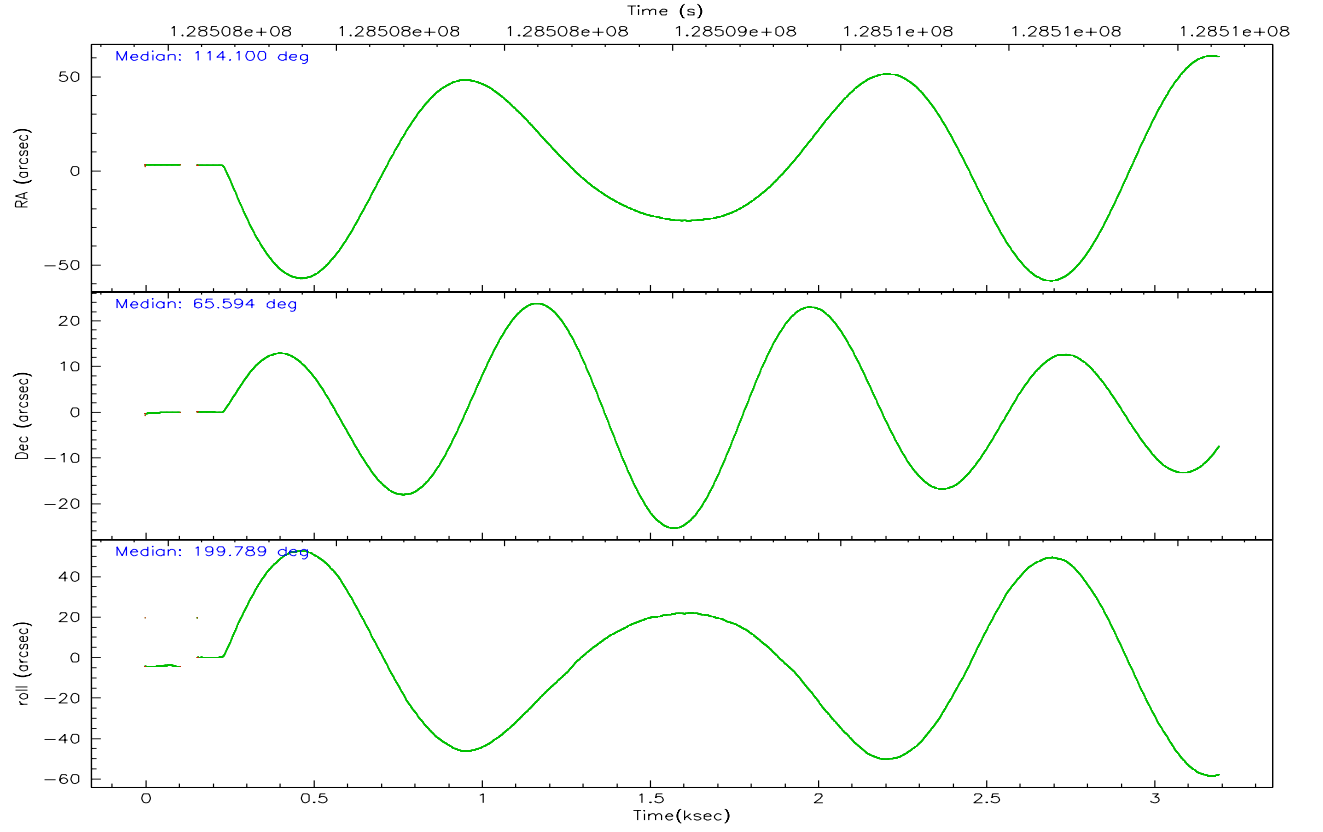
	segment 0
level 1 events	140792
rejected events	30158
rejected %	21%

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	114.141550	114.0994273550127			
Pointing Dec	65.614916	65.59374543863026			
Pointing Roll	199.852704	199.7955997120653			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9854943052878			
SIM translation stage offset (mm)	0	-5.413686238853188e-06			
Observation start time	128507624.184000	128507009.80343			
Observation start date	2002-01-27T08:32:40	2002-01-27T08:23:29			
Observation end time	128510624.184000	128511046.25359			
Observation end date	2002-01-27T09:22:40	2002-01-27T09:30:46			

2.3 Aspect



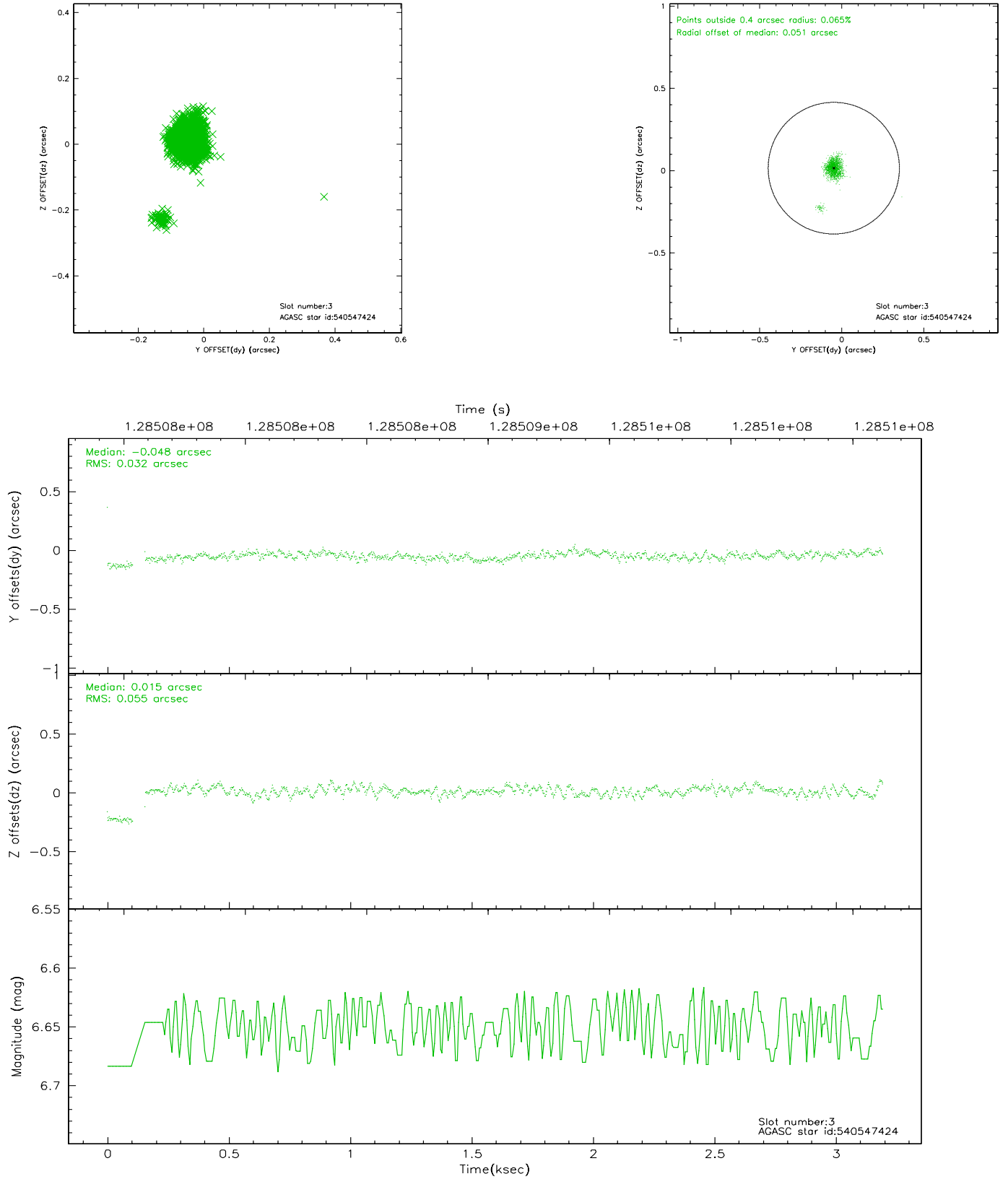


Slot Statistics

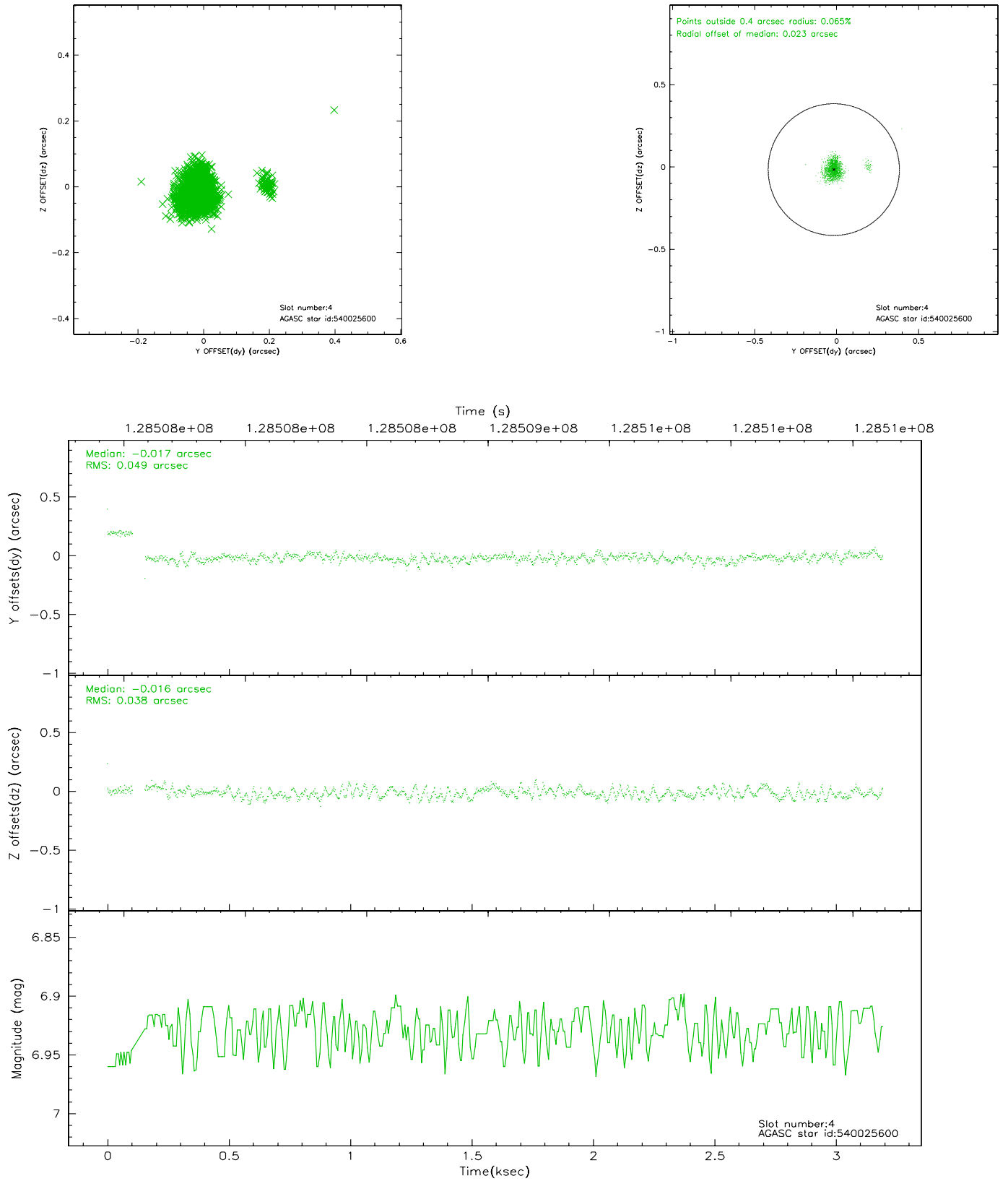
	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2
	FID	HRC-I-1	6.97	768	0.023	0.028	0.007	0.012
	FID	HRC-I-2	7.00	768	0.078	-0.068	0.007	0.011
	FID	HRC-I-3	7.05	768	0.018	-0.050	0.006	0.012
	GUIDE	540547424	6.65	1535	-0.048	0.015	0.047	0.085
	GUIDE	540025600	6.93	1535	-0.017	-0.016	0.052	0.092
	GUIDE	540151824	8.51	1535	0.002	0.047	0.082	0.149
	GUIDE	540543672	9.06	1533	0.060	-0.049	0.086	0.136
0.000	0.000	0.000	0.000000	0.000000	0.00	0.00		

2.4 Star Slots

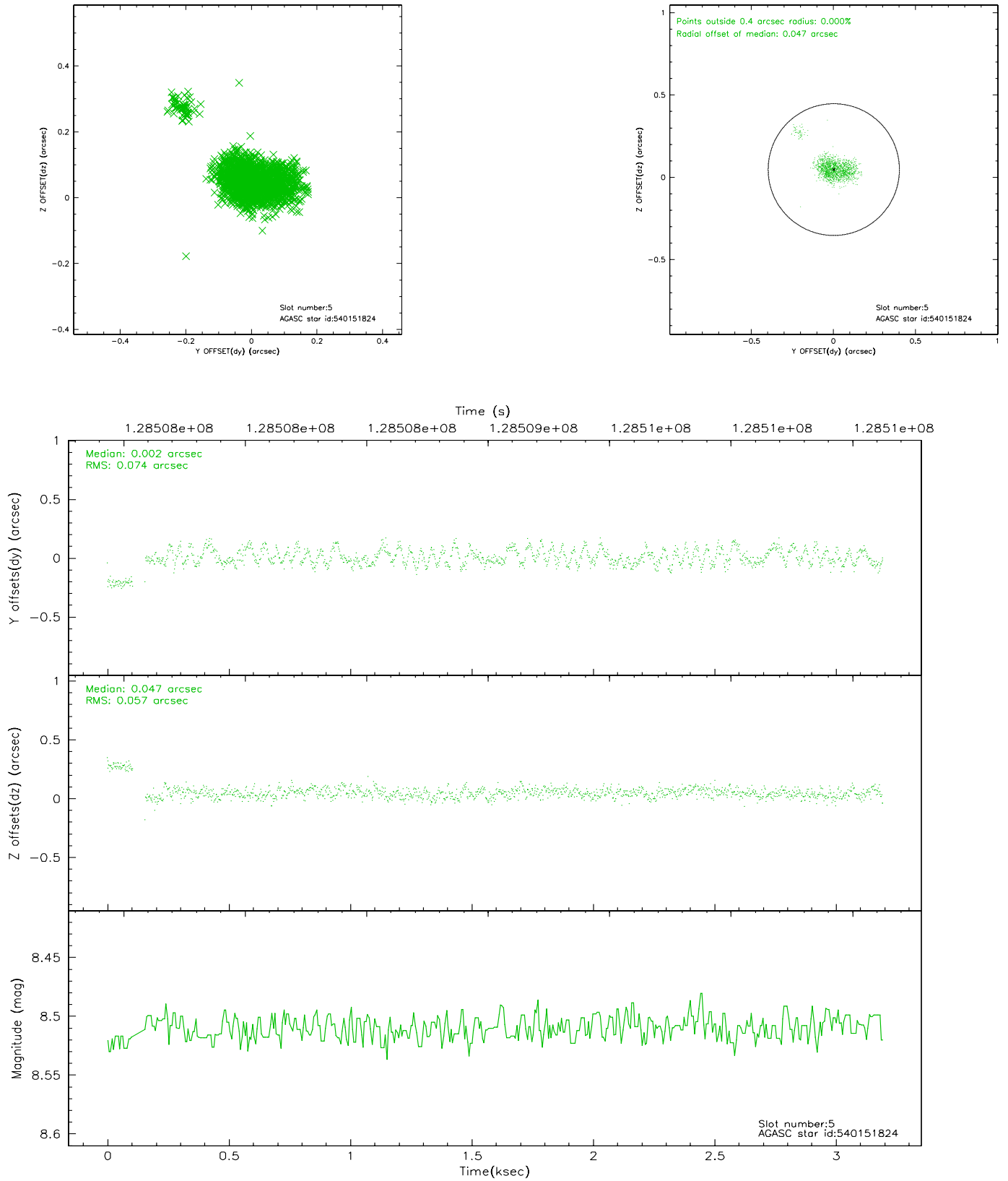
2.4.1 Slot 3



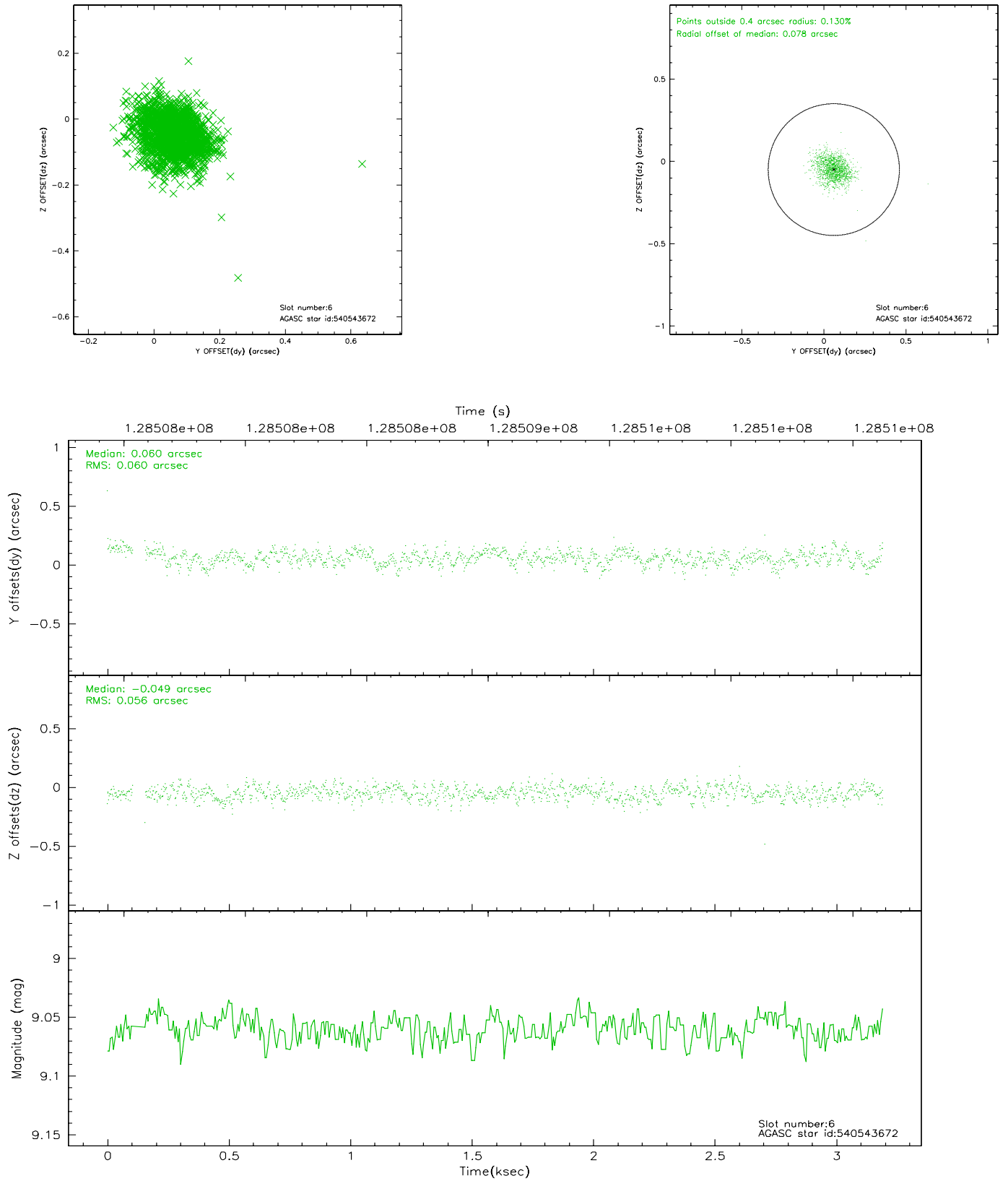
2.4.2 Slot 4



2.4.3 Slot 5

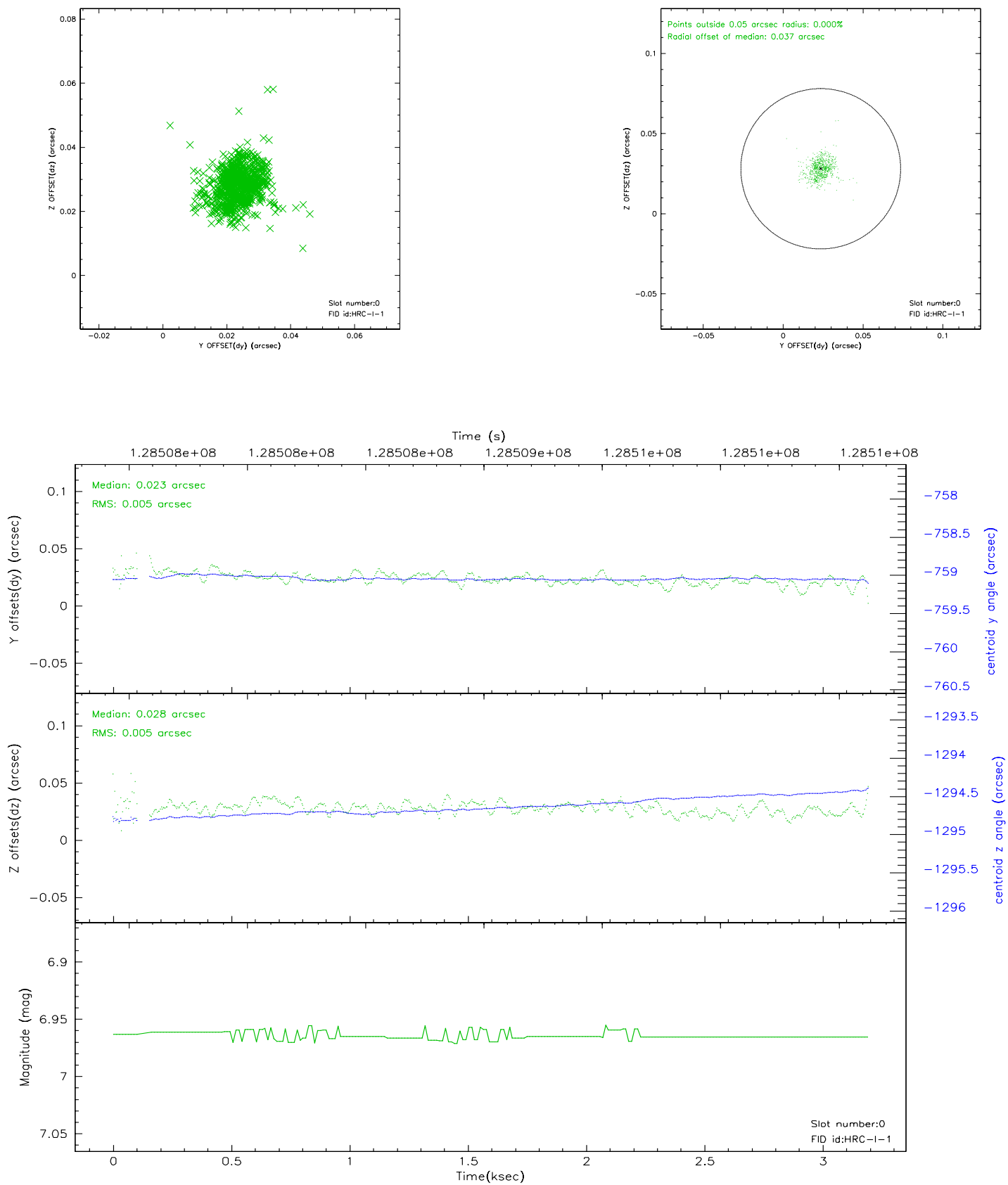


2.4.4 Slot 6

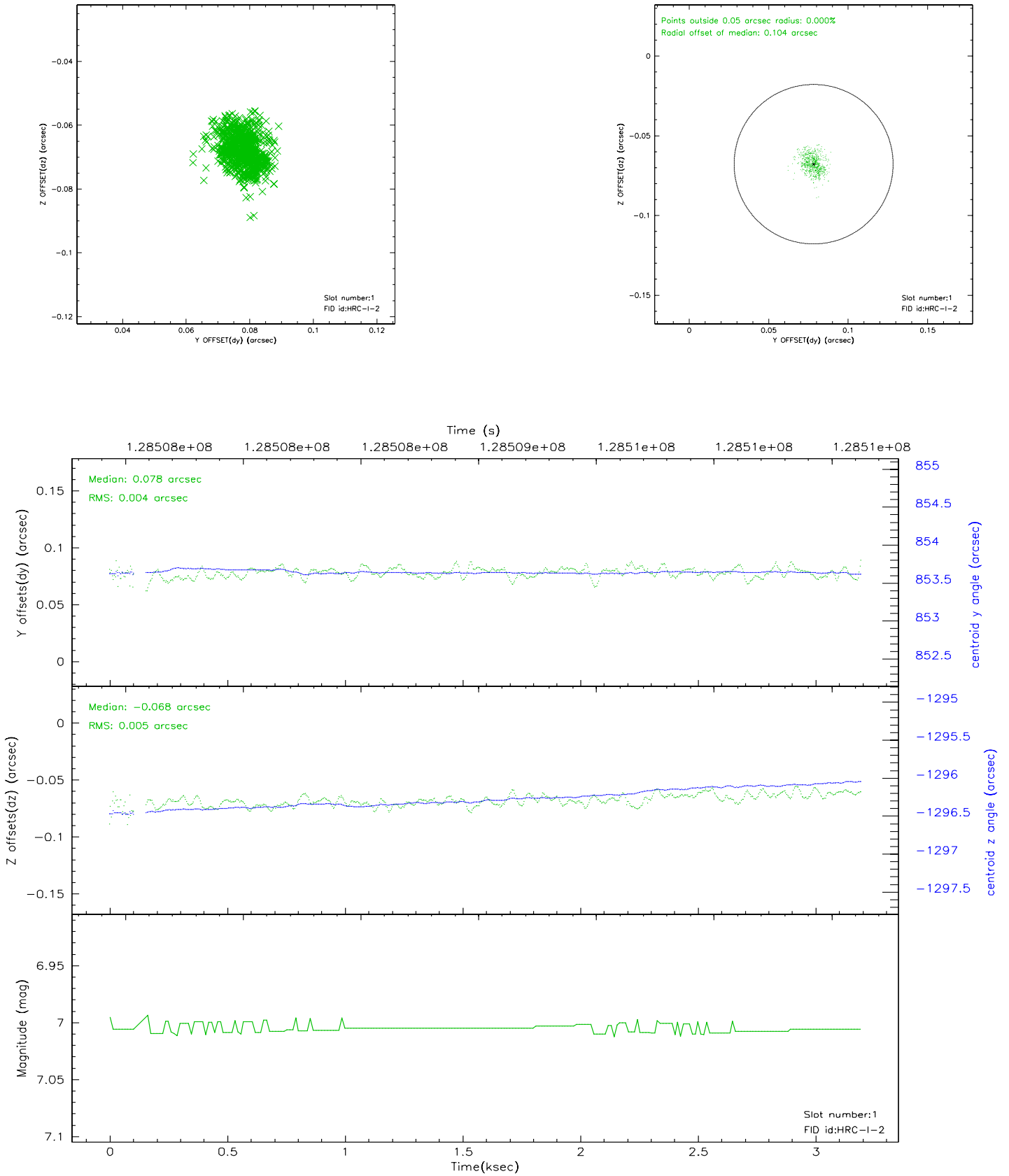


2.5 FID Slots

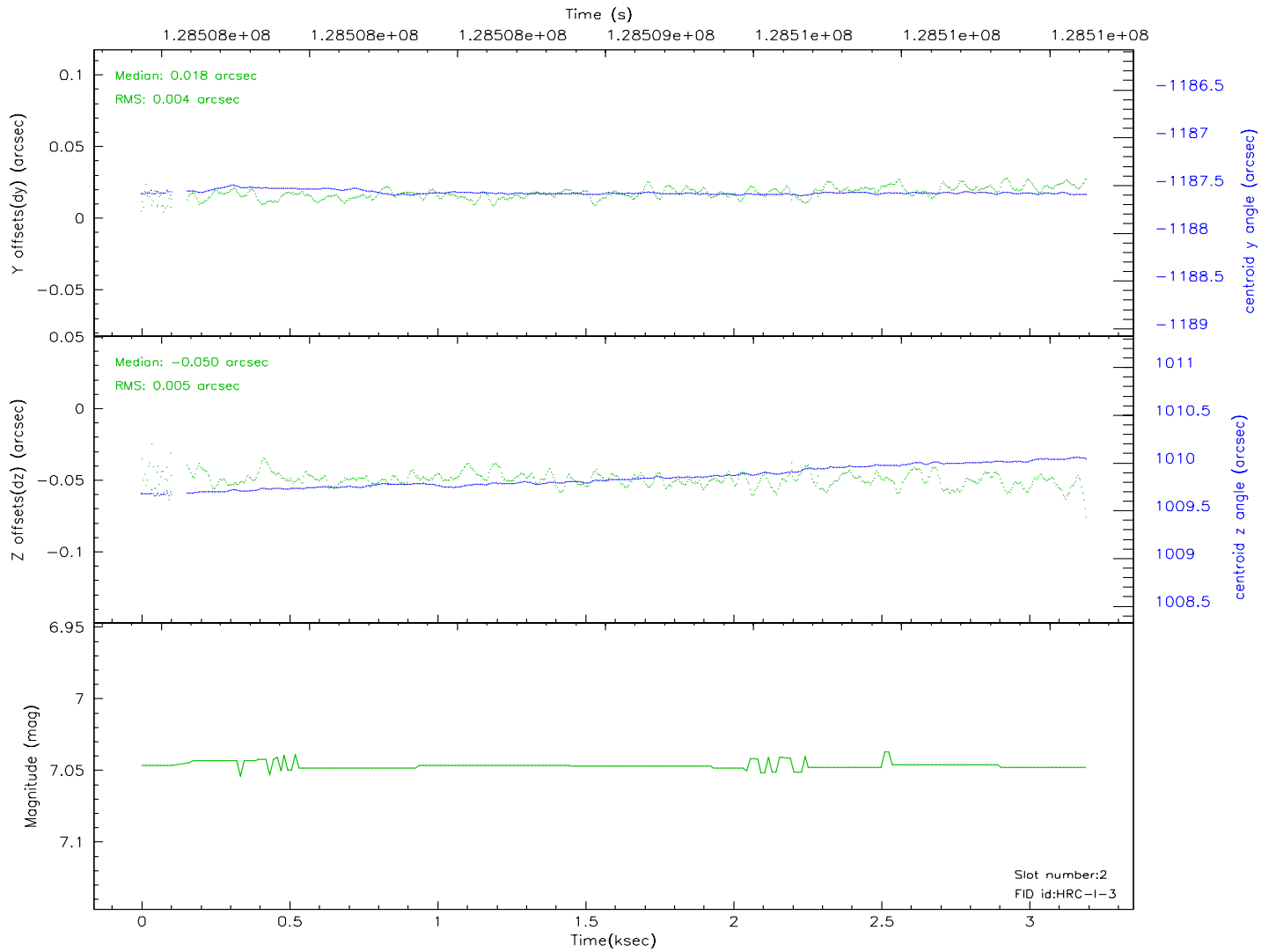
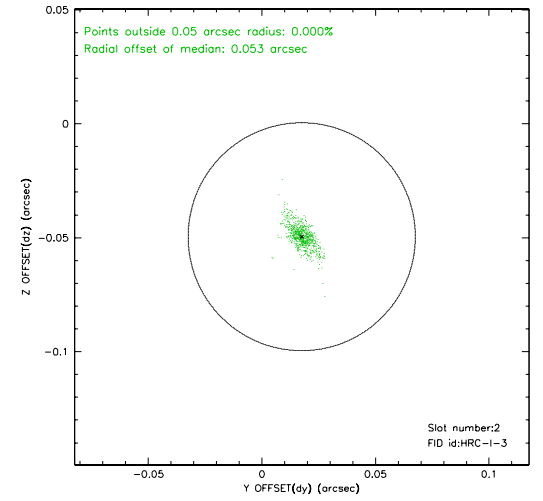
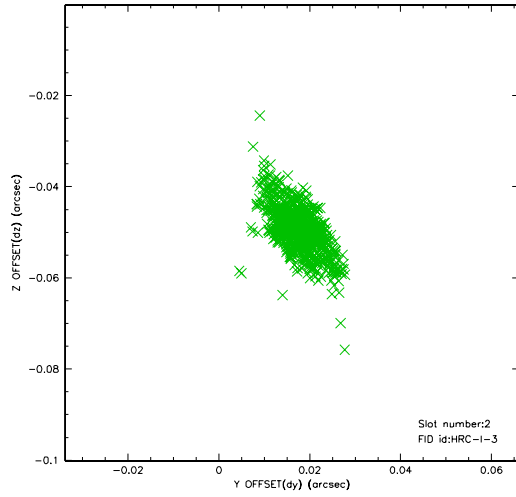
2.5.1 Slot 0



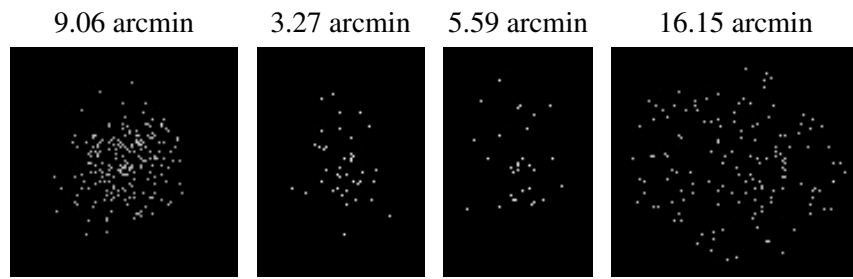
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.766

A.2 Comments

Gap in aspect data: start time of gap 128507534.603450 s stop time of gap 128507584.572199 s Event data begins about 350 s into the observation. The aspect gap occurs before the start of the event data.

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.