

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 2938 - L2 Version 3
Chandra X-Ray Center

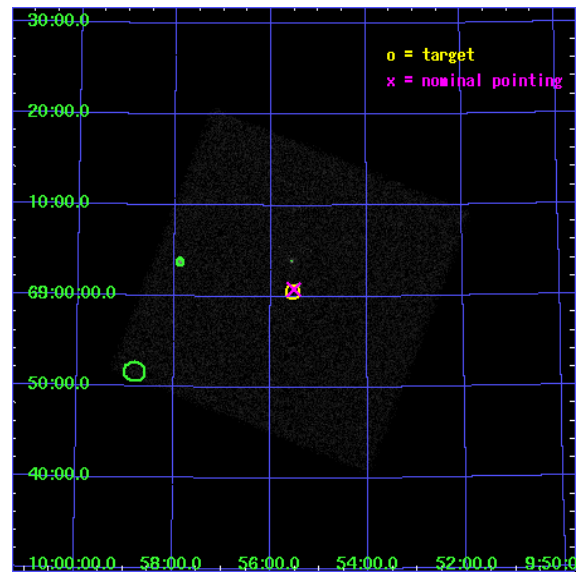
L2 Processing Date : Nov 21 2007

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1 Front

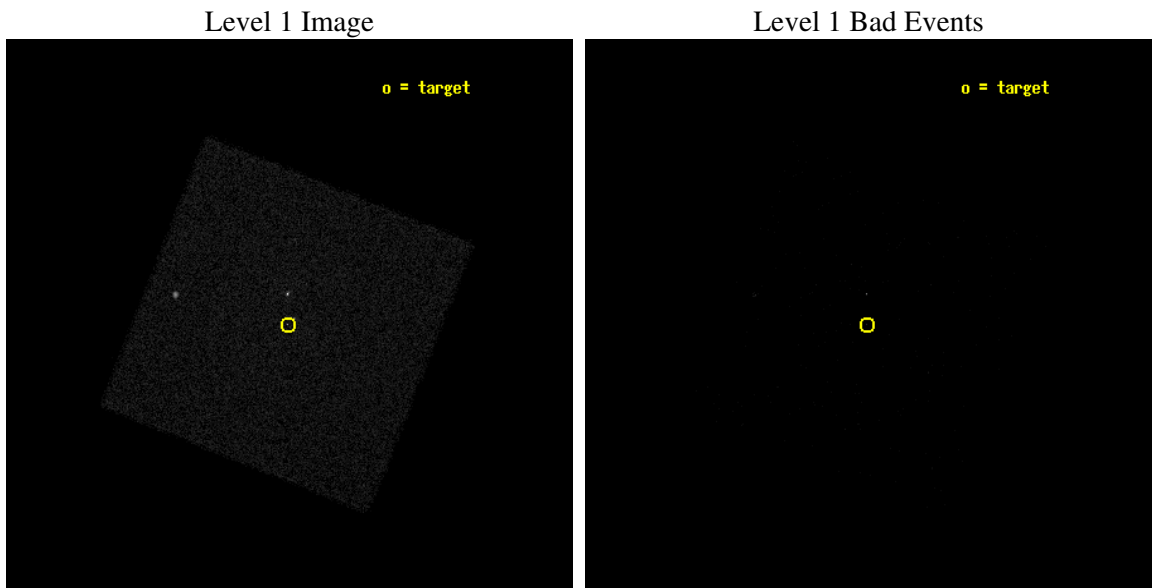
seq_num	600275
obs_id	2938
title	UNVEILING THE NATURE OF ULTRA LUMINOUS X-RAY SOURCES IN NEARBY SPIRAL GALAXIES - REALLY ~100 SOLAR MASS BLACK HOLES ? -
observer	MR. MASAHIKO SUGIHO
object	M81 X-6
ra_targ	148.887708
dec_targ	69.009694
ra_nom	148.87945352254
dec_nom	69.013350883515
roll_nom	156.65316891653
revision	3
ontime	1766.3313211501
livetime	1756.8650569937
l2events	49661



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	2007-11-21T19:11:45
revision	3

sched_exp_time	2000.000000
ontime	1766.3313211501
l1events	80272

2.1.3 Events

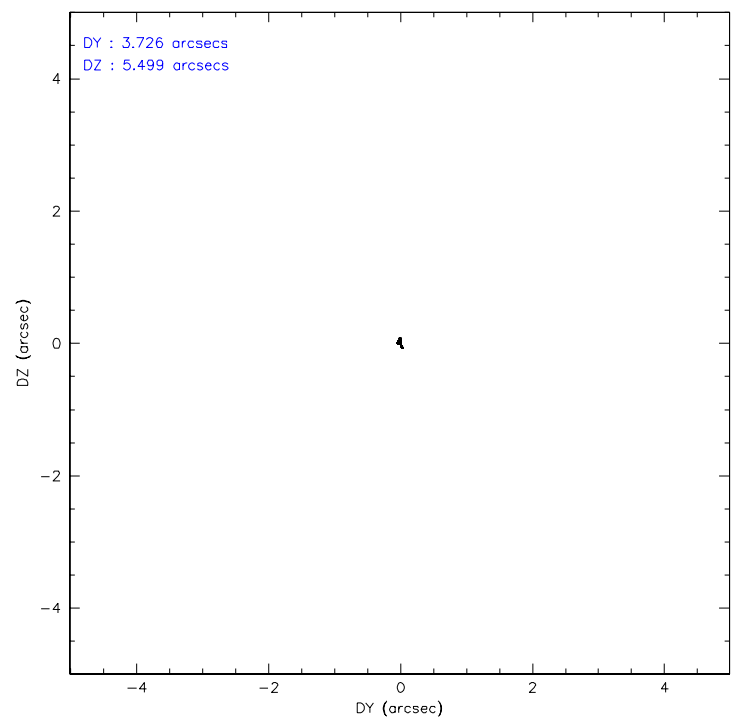
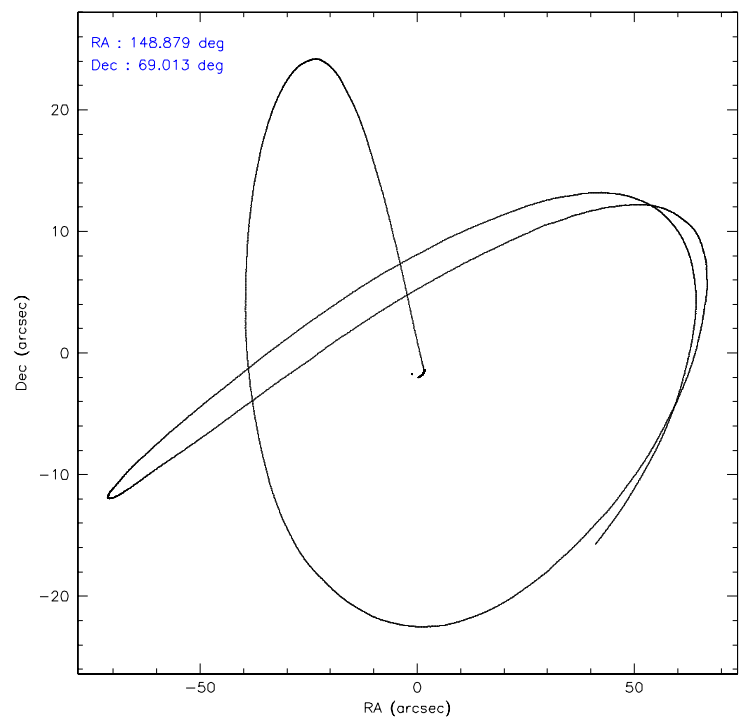
Level 1 Events

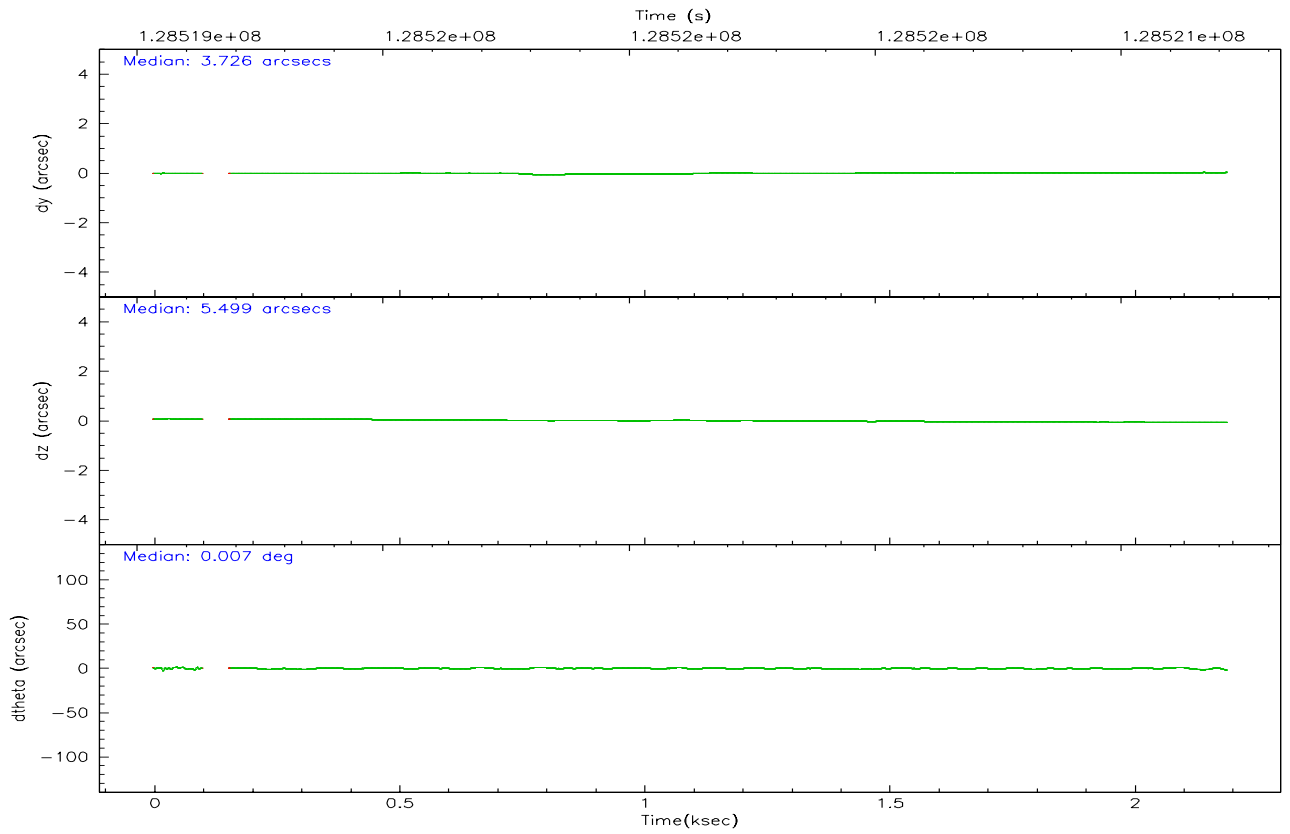
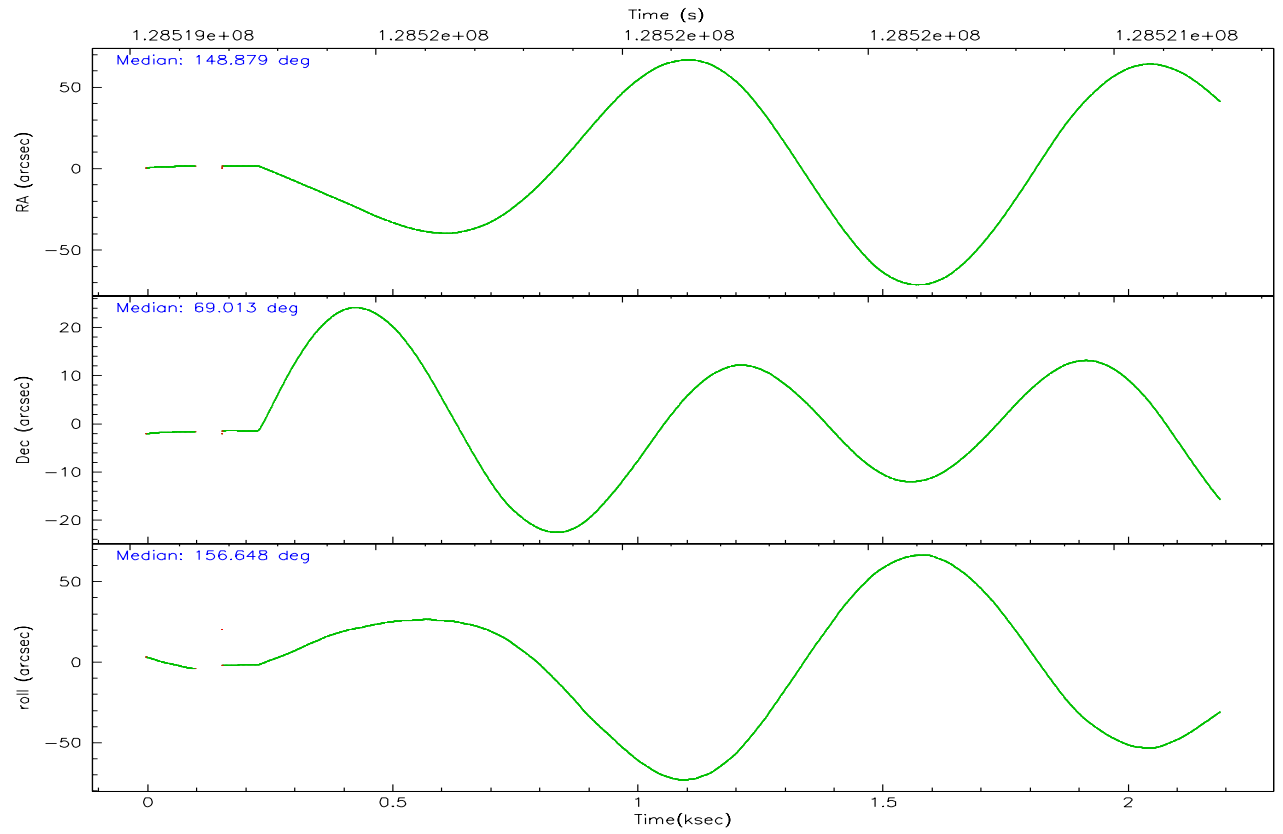
	segment 0
level 1 events	80272
rejected events	6607
rejected %	8%

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	148.954593	148.8794535225371			
Pointing Dec	69.016453	69.01335088351541			
Pointing Roll	156.678492	156.6531689165348			
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	128519220.184000	128518844.45391			
Observation start date	2002-01-27T11:45:56	2002-01-27T11:40:44			
Observation end time	128521220.184000	128521790.30402			
Observation end date	2002-01-27T12:19:16	2002-01-27T12:29:50			

2.3 Aspect



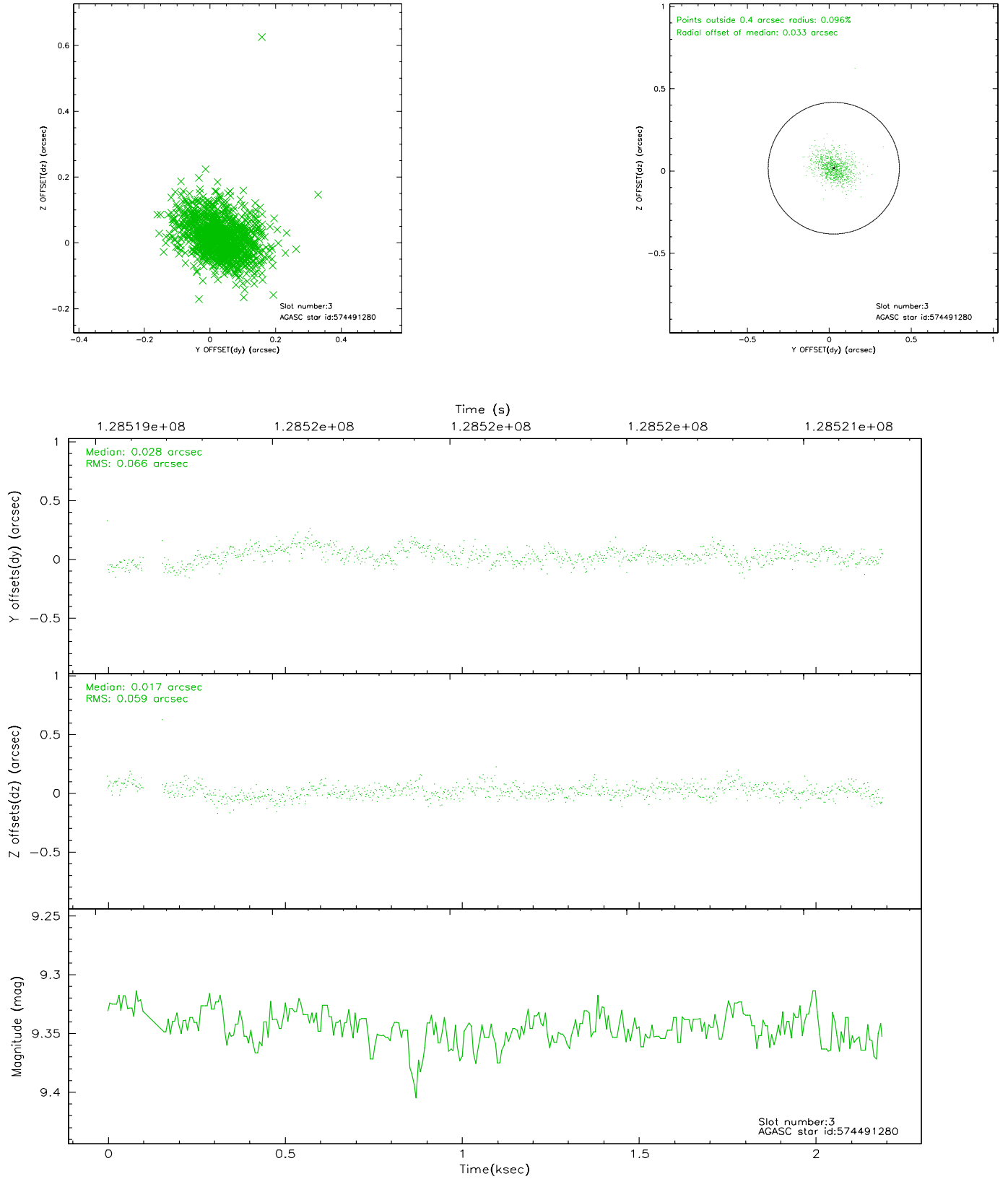


Slot Statistics

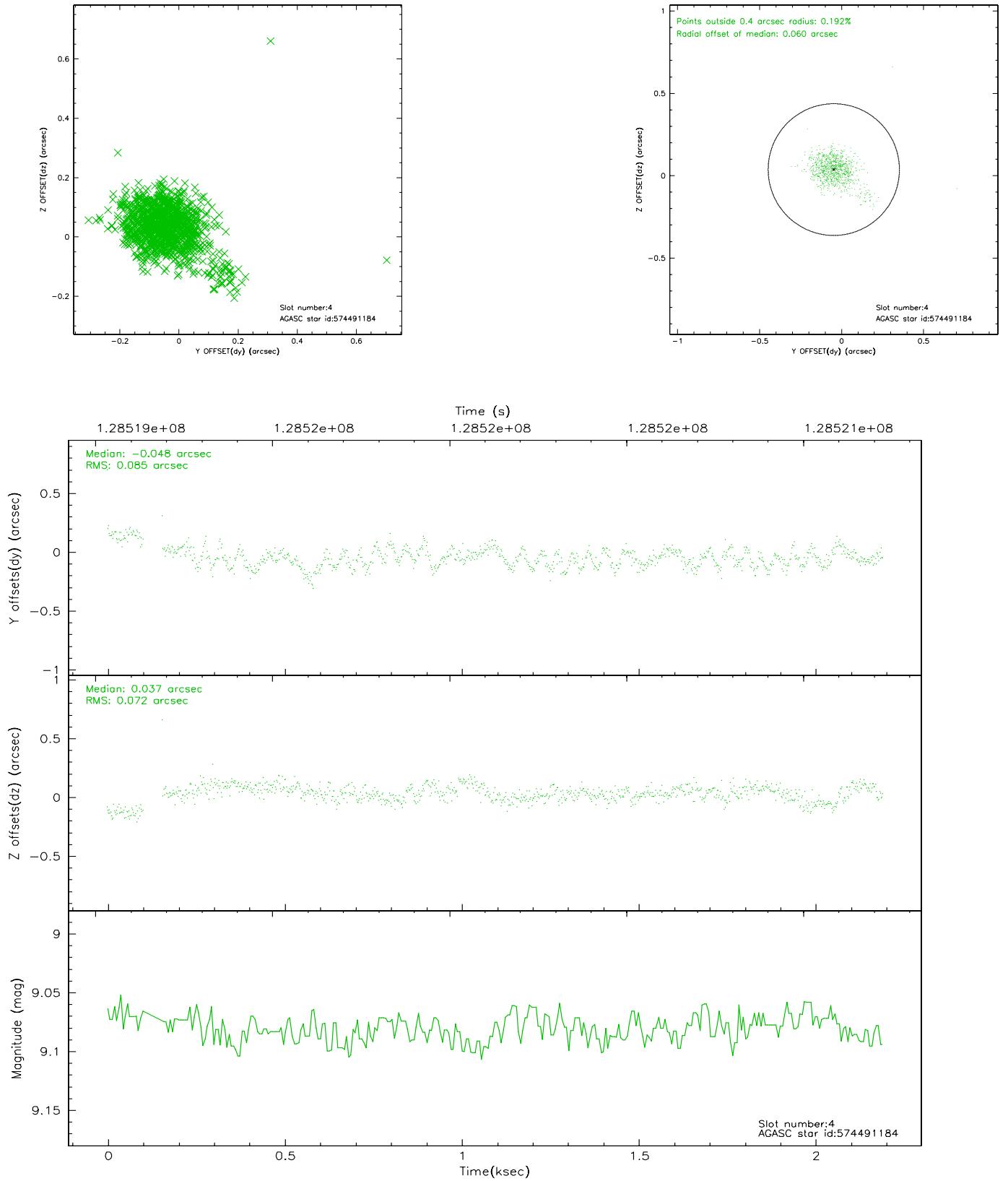
	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2
	FID	HRC-I-1	6.97	522	0.006	0.038	0.007	0.013
	FID	HRC-I-2	7.01	520	0.075	-0.047	0.006	0.011
	FID	HRC-I-3	7.05	522	0.038	-0.081	0.006	0.012
	GUIDE	574491280	9.34	1040	0.028	0.017	0.091	0.154
	GUIDE	574491184	9.08	1043	-0.048	0.037	0.105	0.204
	GUIDE	574493848	10.23	1044	0.022	-0.023	0.134	0.223
	GUIDE	574489160	10.01	1041	-0.009	-0.035	0.170	0.271
0.000	0.000	0.000	0.000000	0.000000	0.00	0.00		

2.4 Star Slots

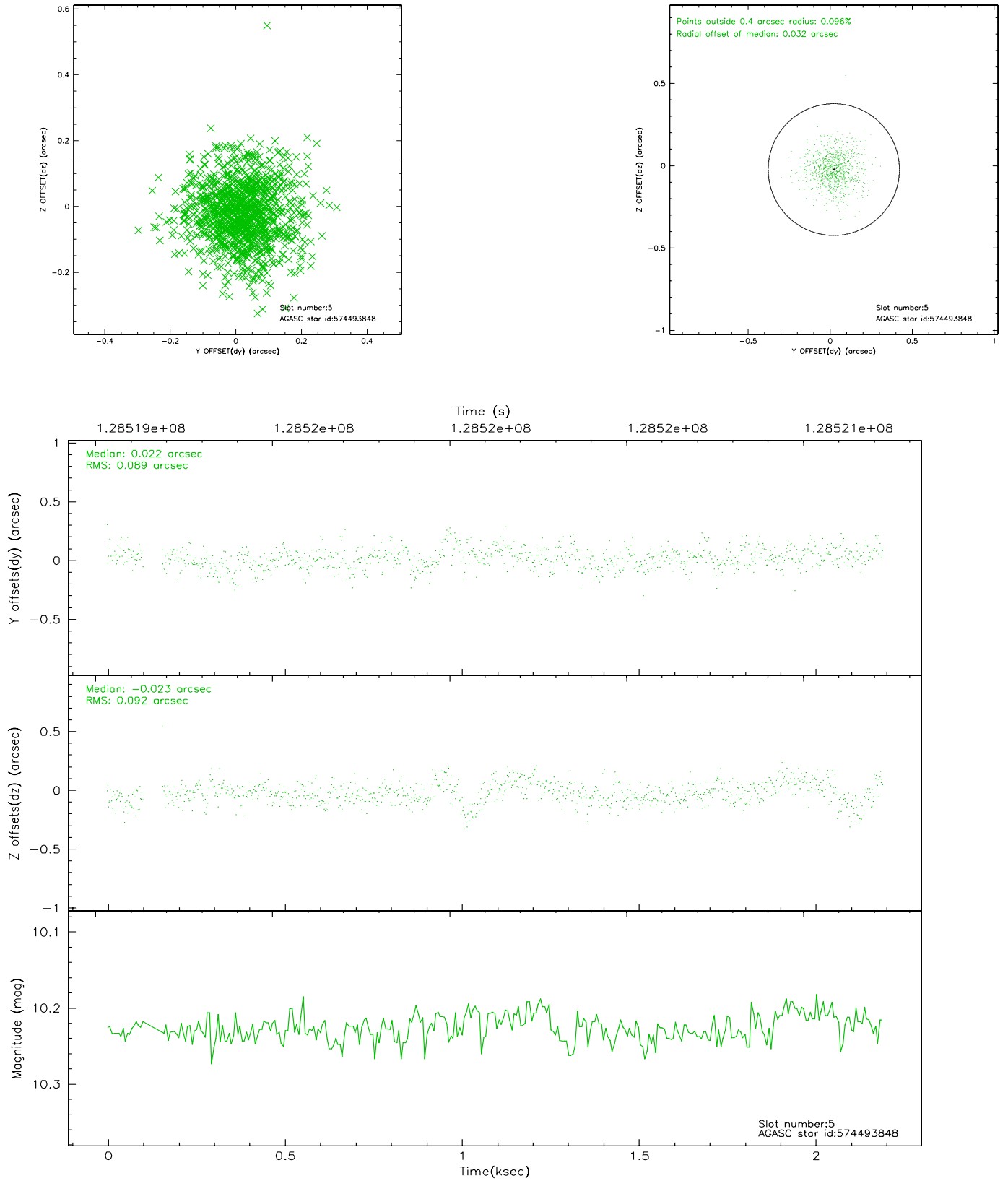
2.4.1 Slot 3



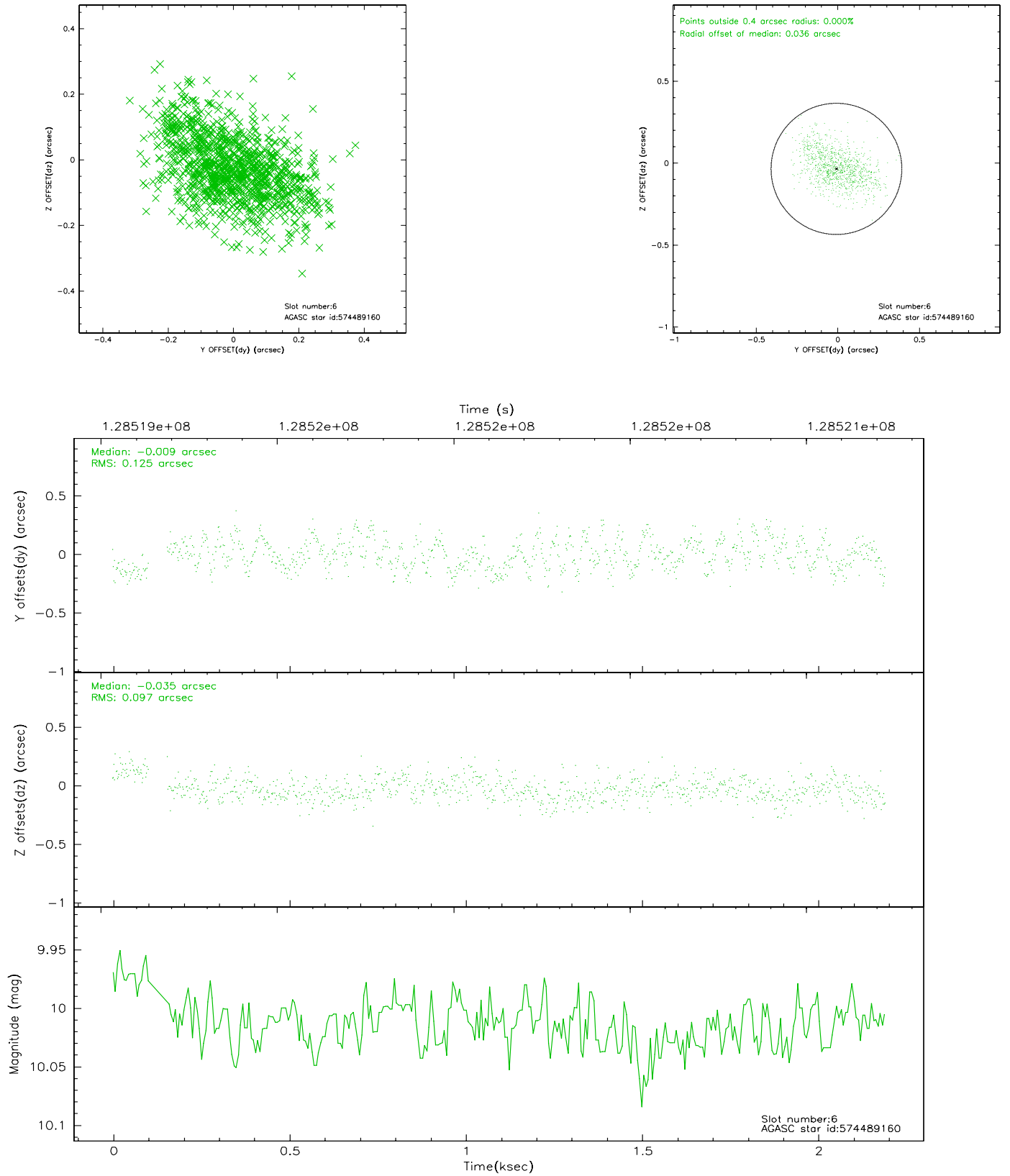
2.4.2 Slot 4



2.4.3 Slot 5

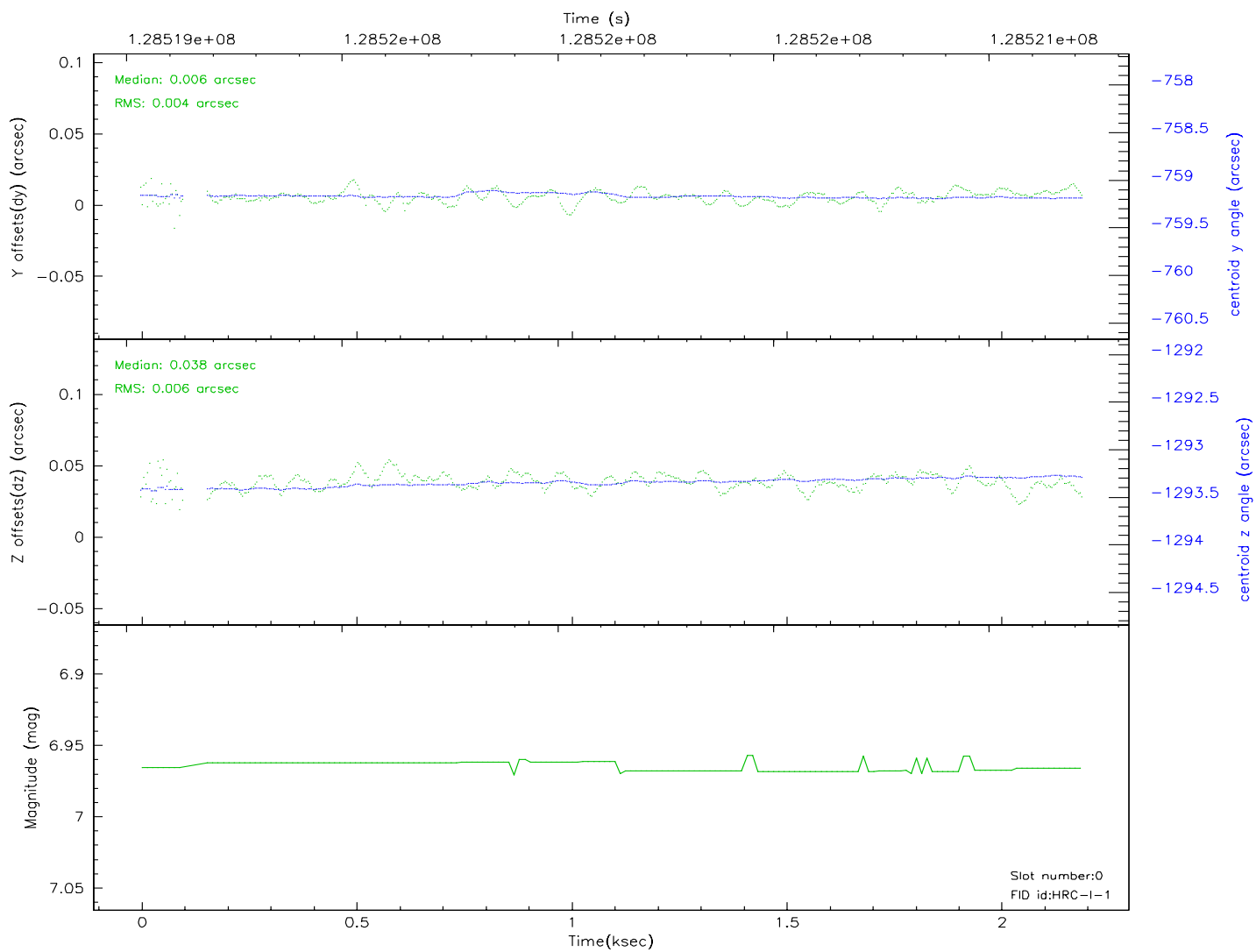
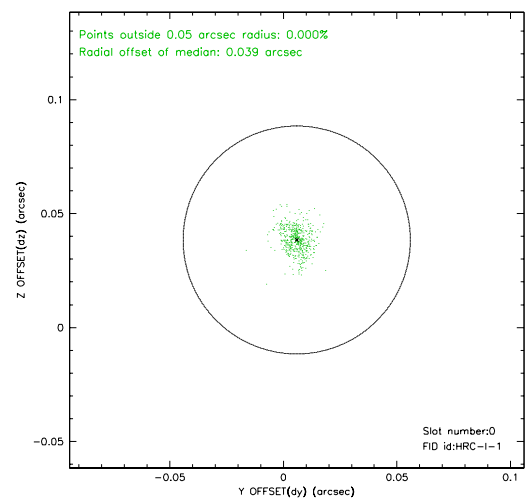
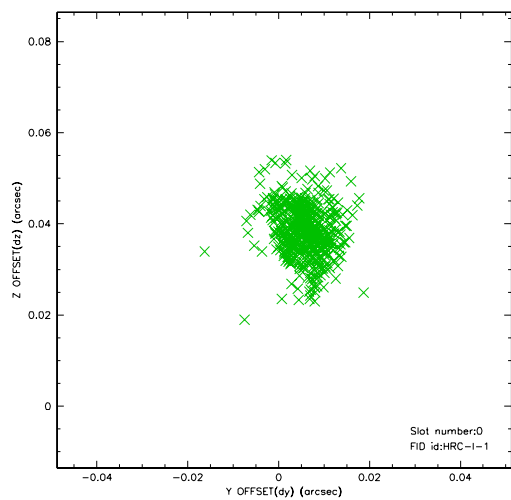


2.4.4 Slot 6

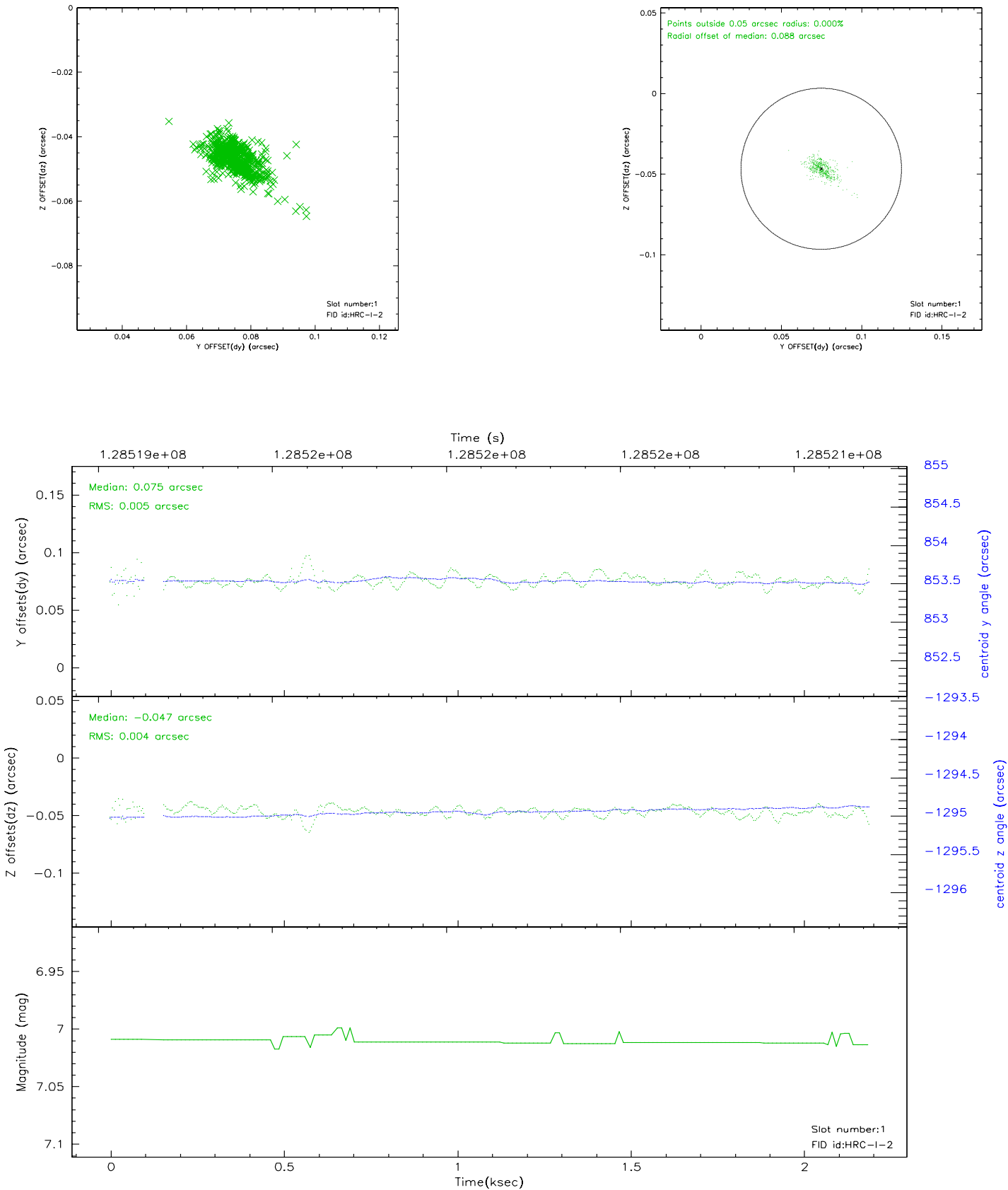


2.5 FID Slots

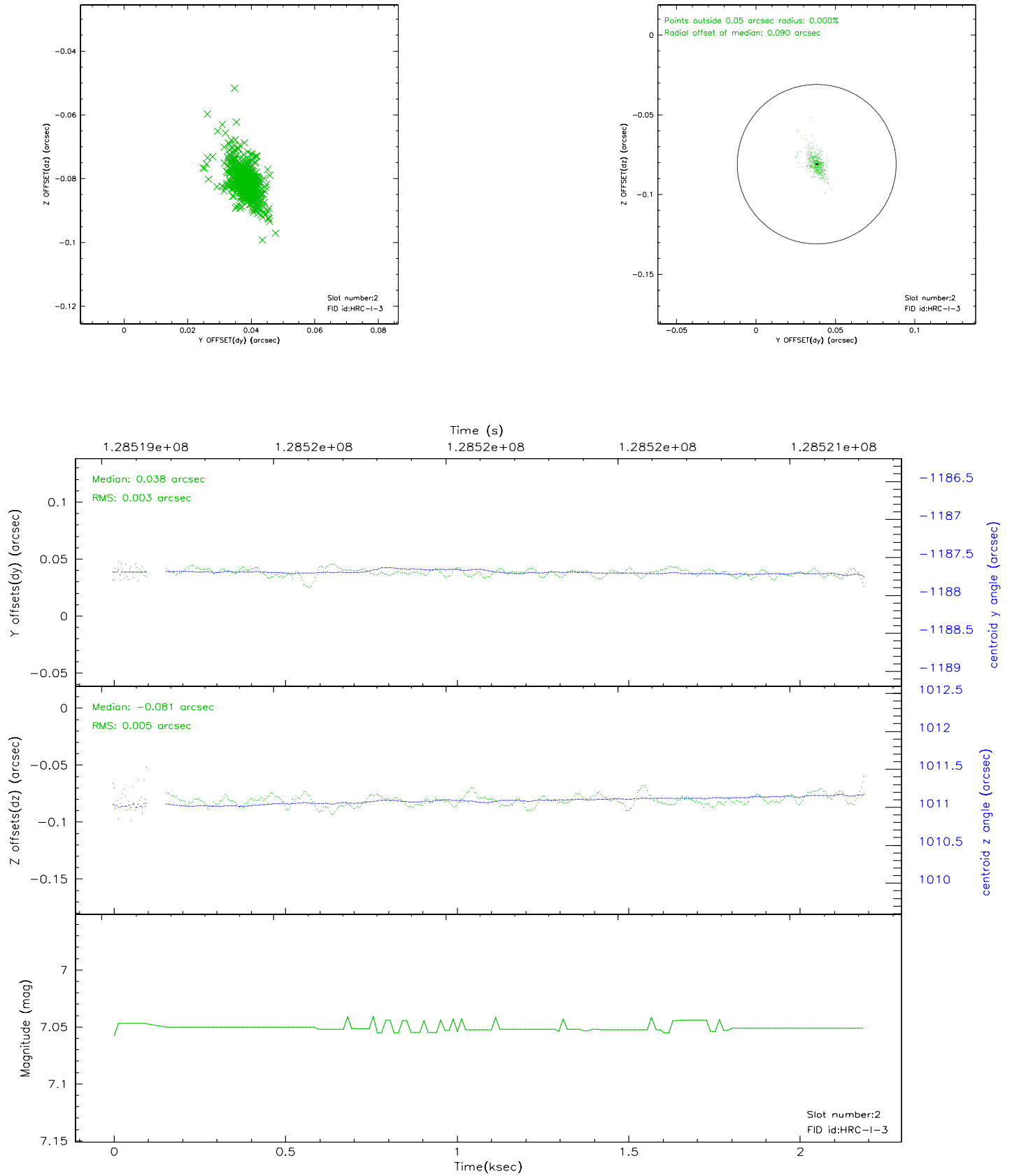
2.5.1 Slot 0



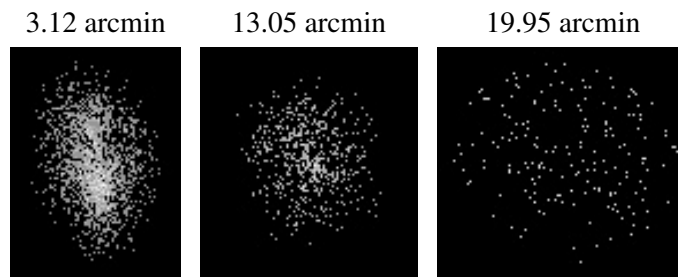
2.5.2 Slot 1



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	1.766

A.2 Comments

Gap in aspect data: start time of gap 128519129.403917 stop time of gap 128519183.472666 Event data begins about 3.5 ksec into the observation. The gap in the aspect data 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.