

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5515 - L2 Version 3
Chandra X-Ray Center

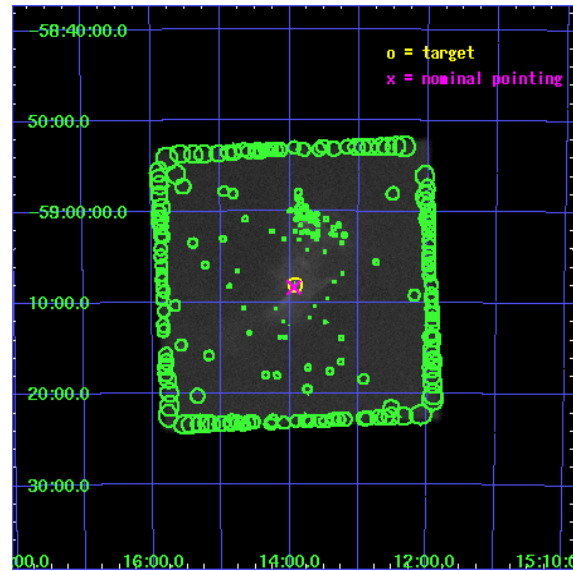
L2 Processing Date : Nov 24 2007

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1 Front

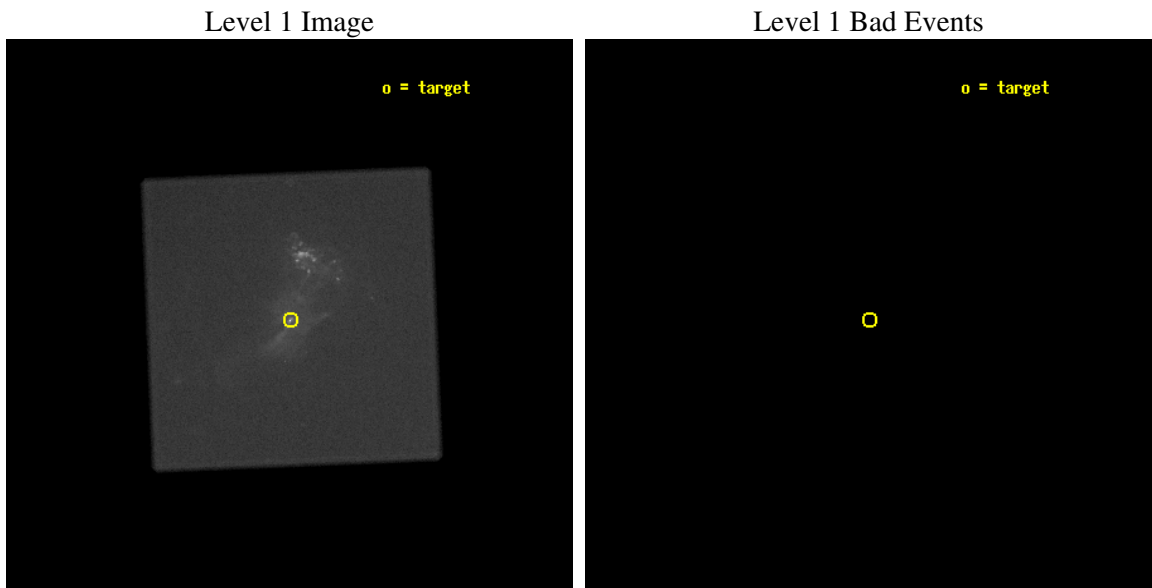
seq_num	500509
obs_id	5515
title	The Surface Temperature of Isolated Neutron Stars
observer	Dr. Steven Murray
object	PSR B1509-58
ra_targ	228.481667
dec_targ	-59.135833
ra_nom	228.48437724611
dec_nom	-59.139702236792
roll_nom	312.68239668185
revision	3
ontime	45187.383312106
livetime	44863.052322016
l2events	1855090



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	2007-11-24T15:39:37
revision	3

sched_exp_time	45000.000000
ontime	45187.383312106
l1events	2738894

2.1.3 Events

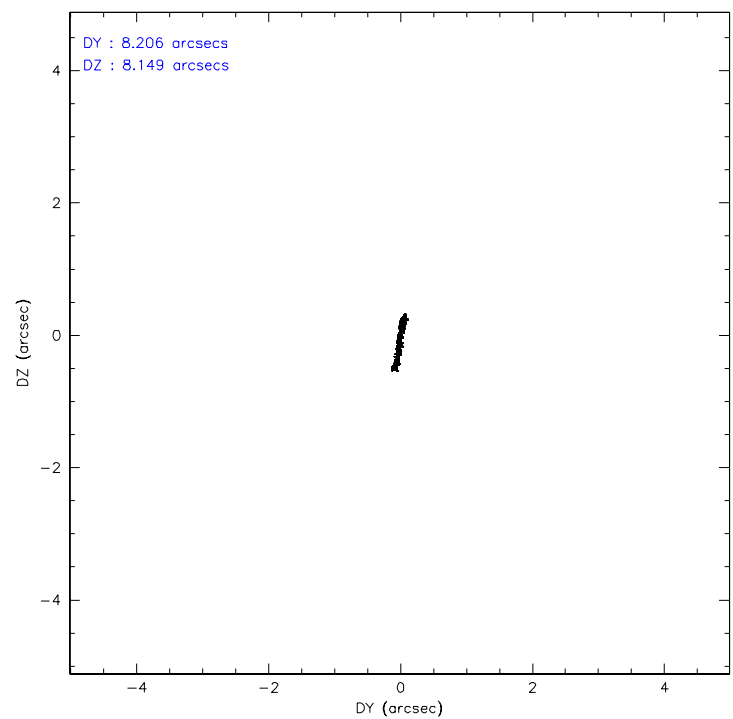
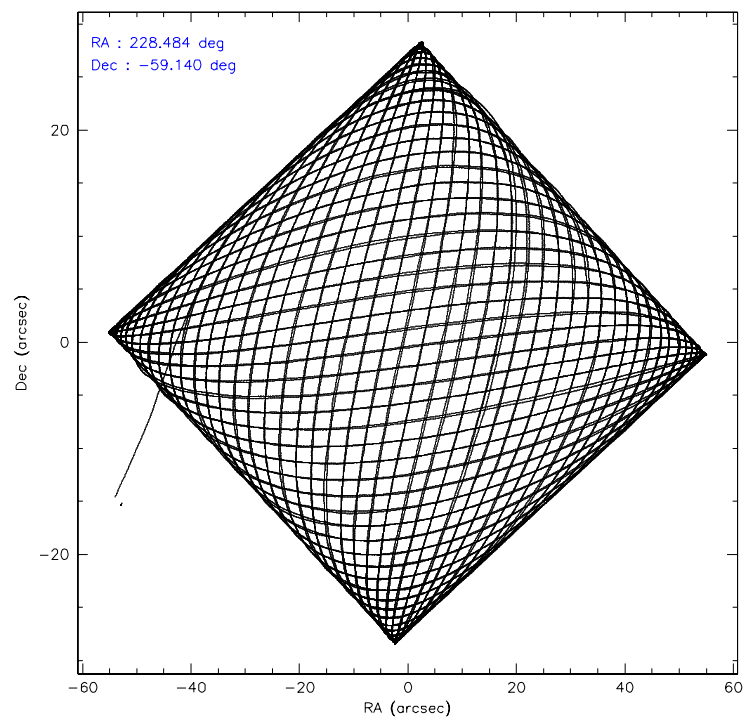
Level 1 Events

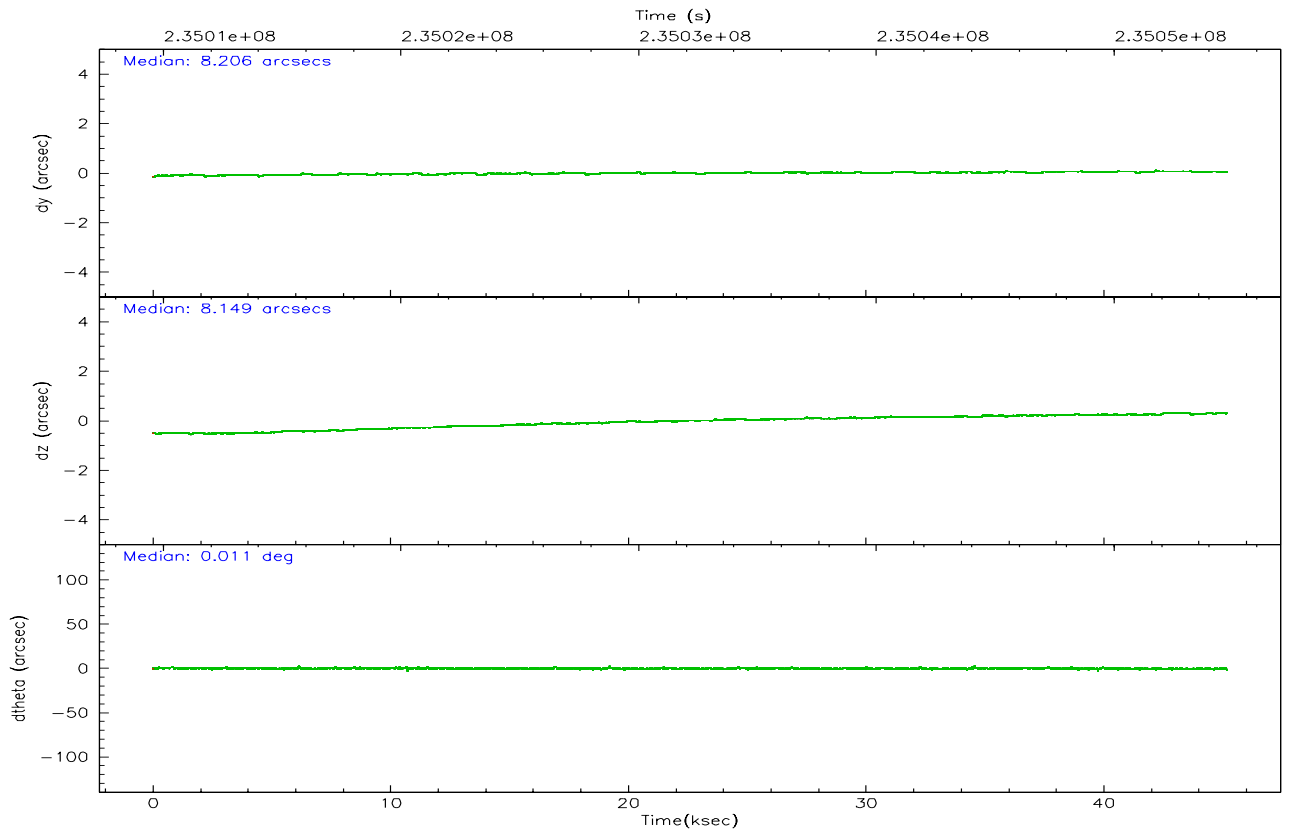
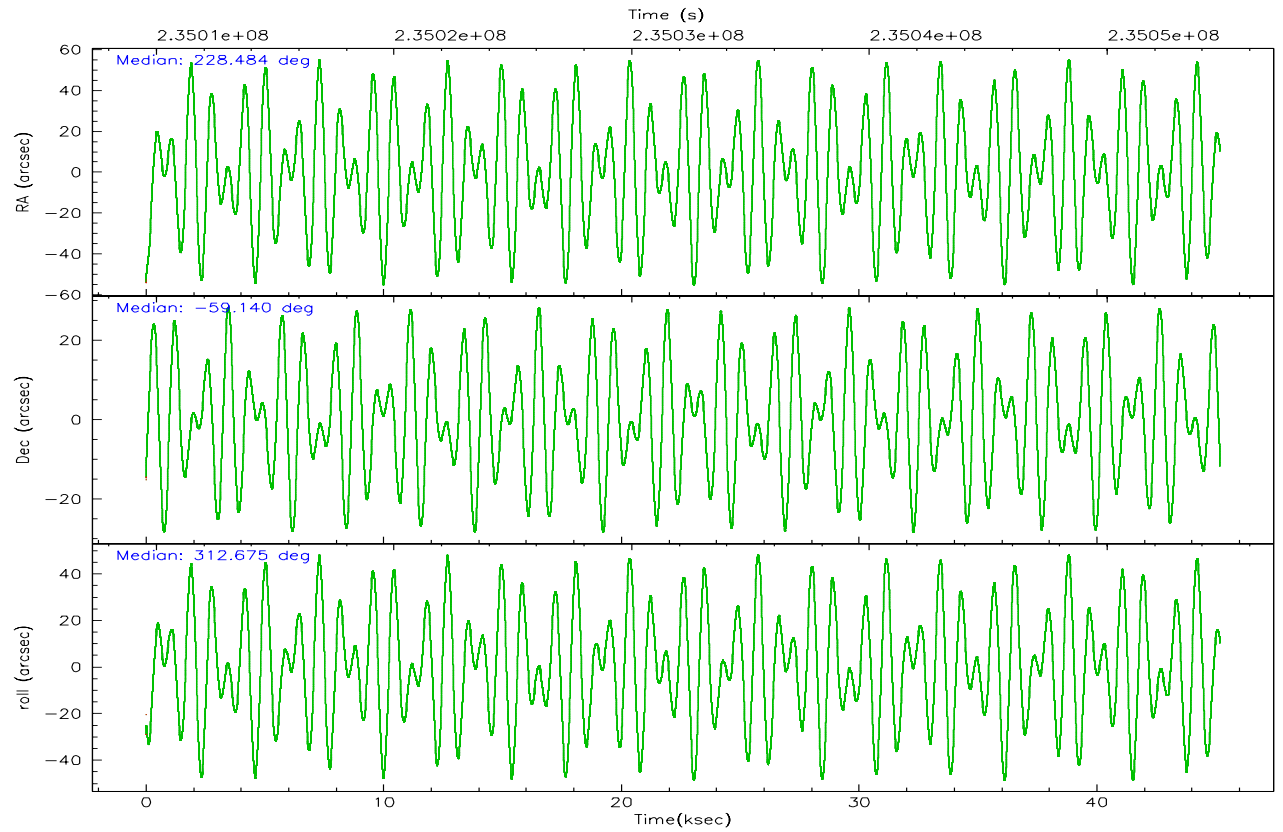
	segment 0
level 1 events	2738894
rejected events	46296
rejected %	1%

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	228.433665	228.4843772461096			
Pointing Dec	-59.132272	-59.13970223679227			
Pointing Roll	312.734348	312.682396681846			
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	235009755.184000	235008797.86347			
Observation start date	2005-06-13T00:28:11	2005-06-13T00:13:17			
Observation end time	235054755.184000	235055443.5656			
Observation end date	2005-06-13T12:58:11	2005-06-13T13:10:43			

2.3 Aspect



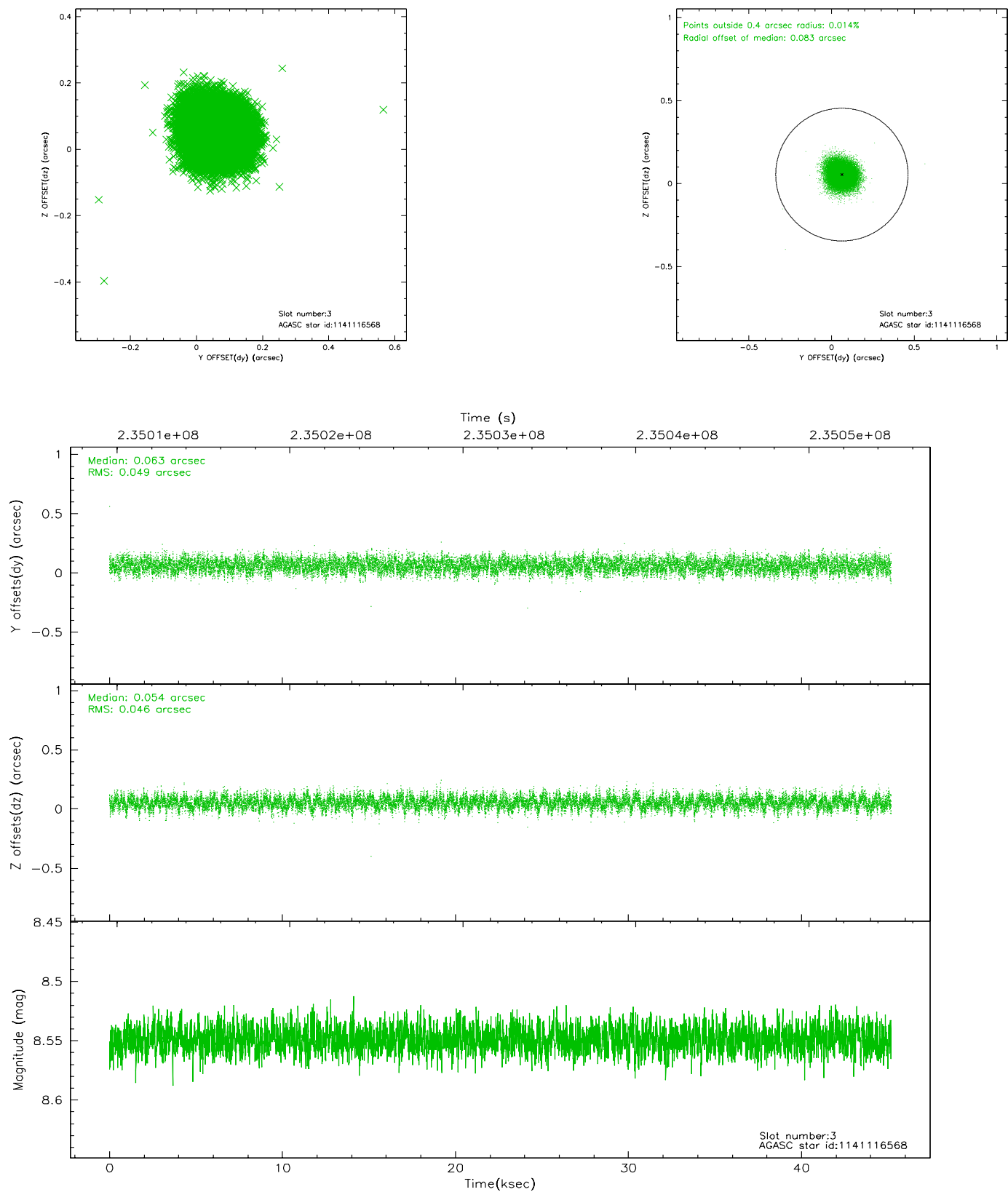


Slot Statistics

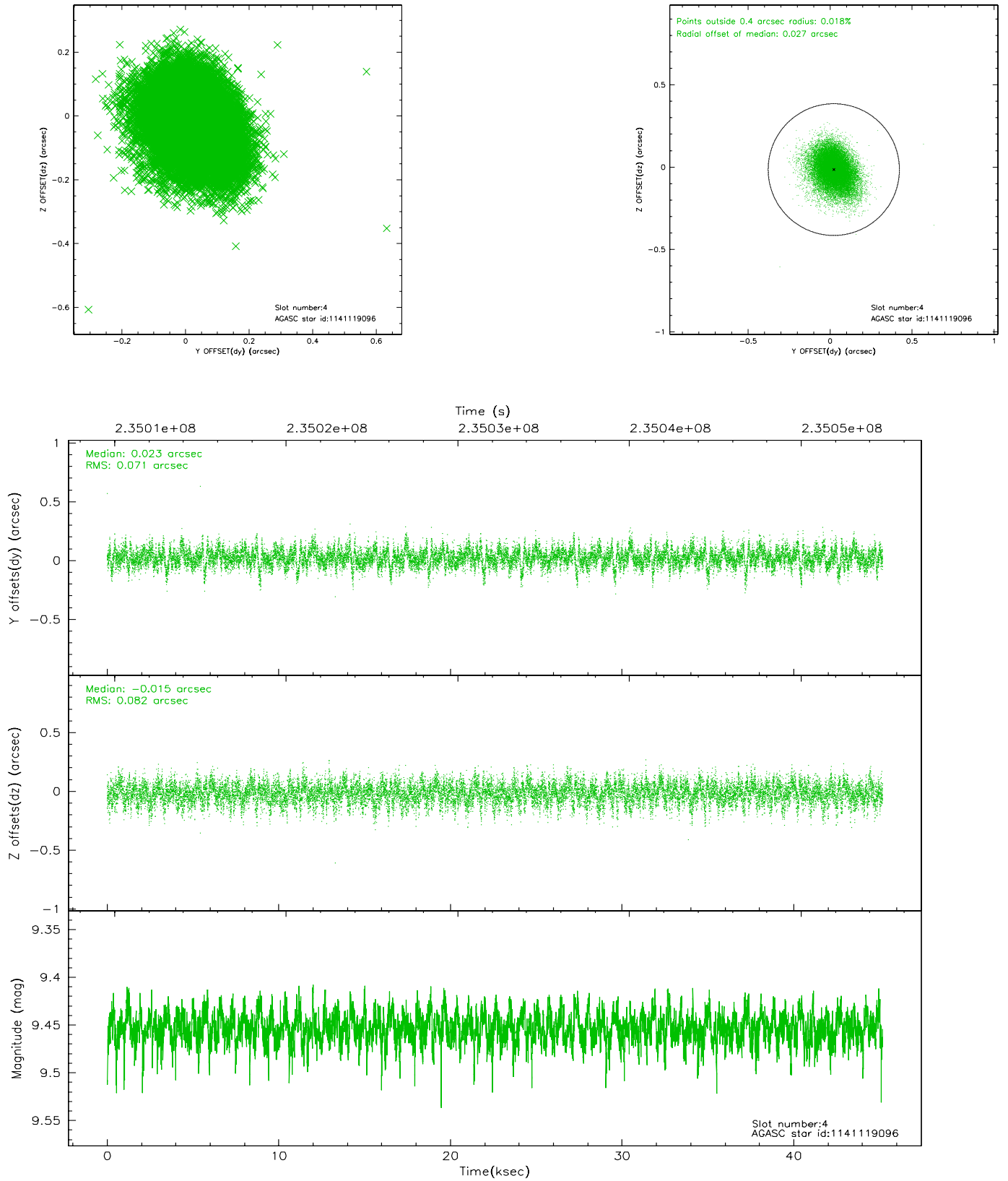
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	11021	0.053	0.040	0.010	0.018	0.000000	0.000000	-763.83	-1295.90
1	FID	HRC-I-3	7.06	11022	-0.051	-0.072	0.011	0.019	0.000000	0.000000	-1192.38	1008.46
2	FID	HRC-I-4	7.00	11022	0.112	-0.057	0.007	0.012	0.000000	0.000000	1279.02	1006.17
3	GUIDE	1141116568	8.55	22037	0.063	0.054	0.072	0.113	228.578452	-58.520066	-1433.58	1695.35
4	GUIDE	1141119096	9.45	22023	0.023	-0.015	0.113	0.192	228.052751	-59.529718	581.26	-1483.06
5	GUIDE	1141119896	8.40	22041	-0.097	0.052	0.064	0.104	229.637327	-59.405643	2234.38	938.91
6	GUIDE	1141120488	8.76	22037	0.056	-0.060	0.071	0.116	228.236450	-59.504731	741.59	-1174.69
7	GUIDE	1141121072	9.07	22033	-0.044	-0.028	0.095	0.163	227.898628	-59.420815	101.56	-1427.54

2.4 Star Slots

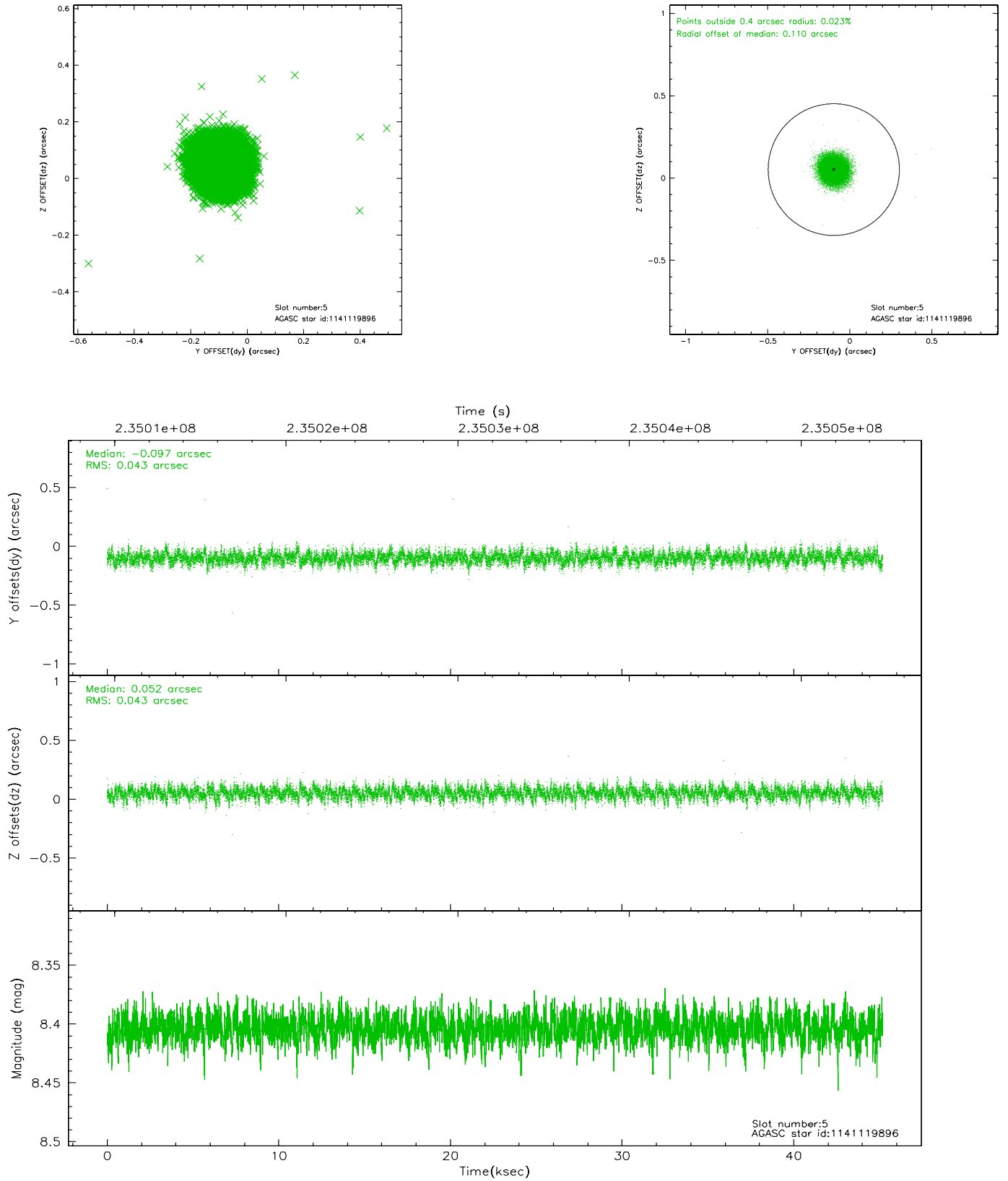
2.4.1 Slot 3



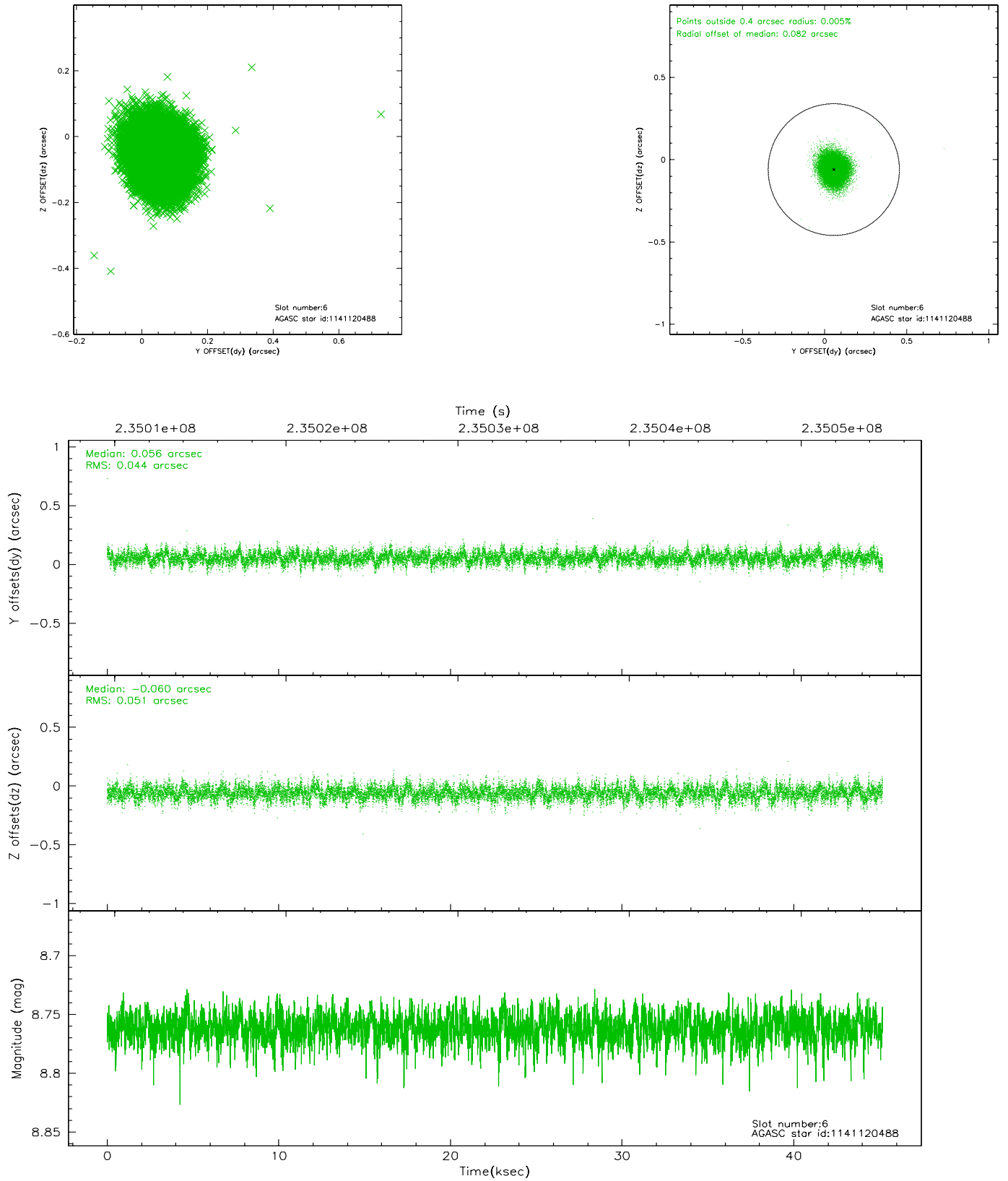
2.4.2 Slot 4



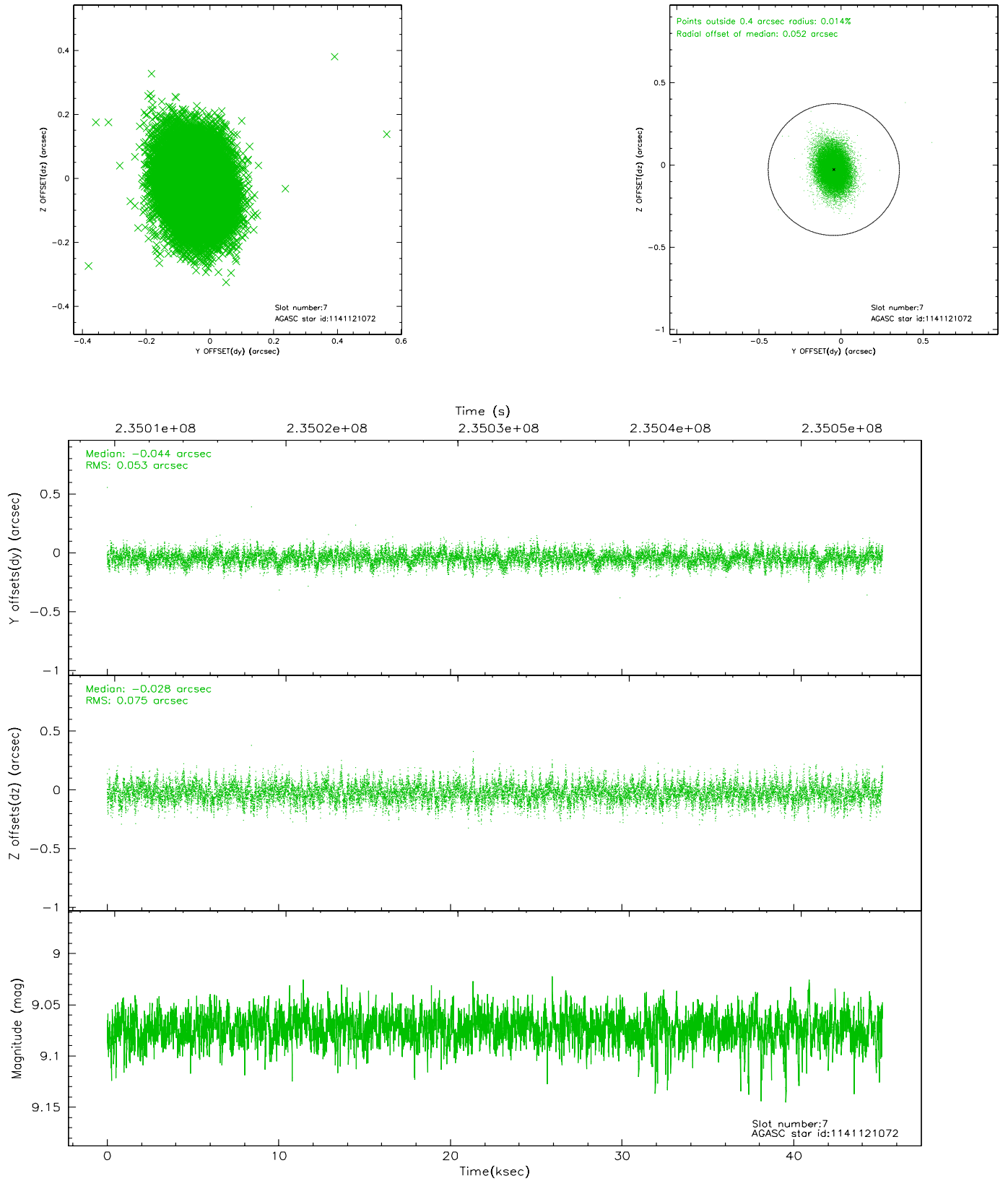
2.4.3 Slot 5



2.4.4 Slot 6

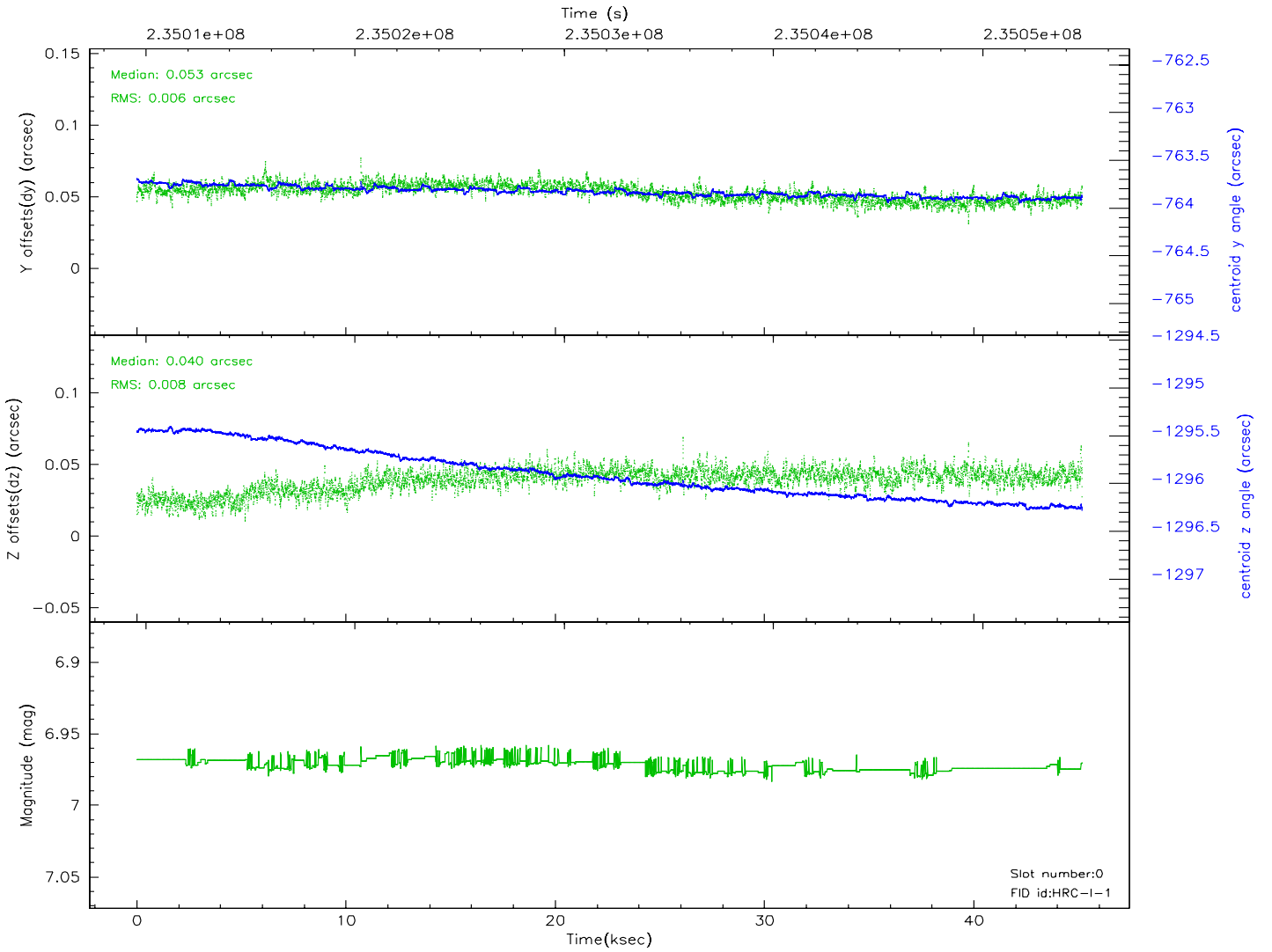
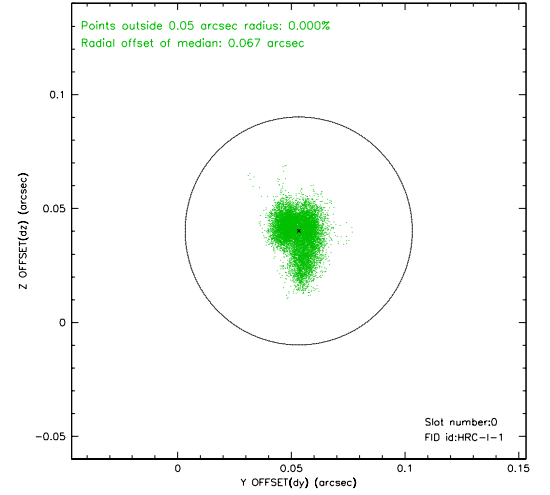
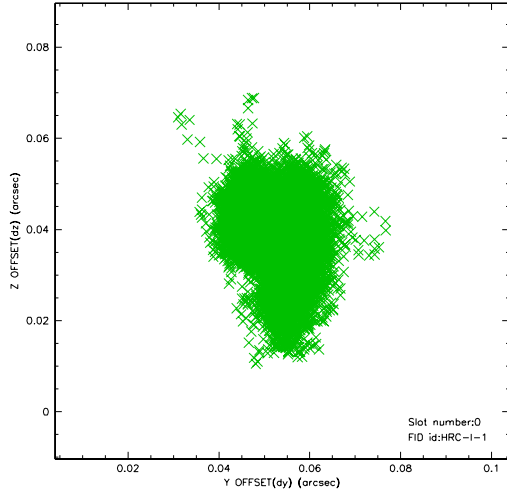


2.4.5 Slot 7

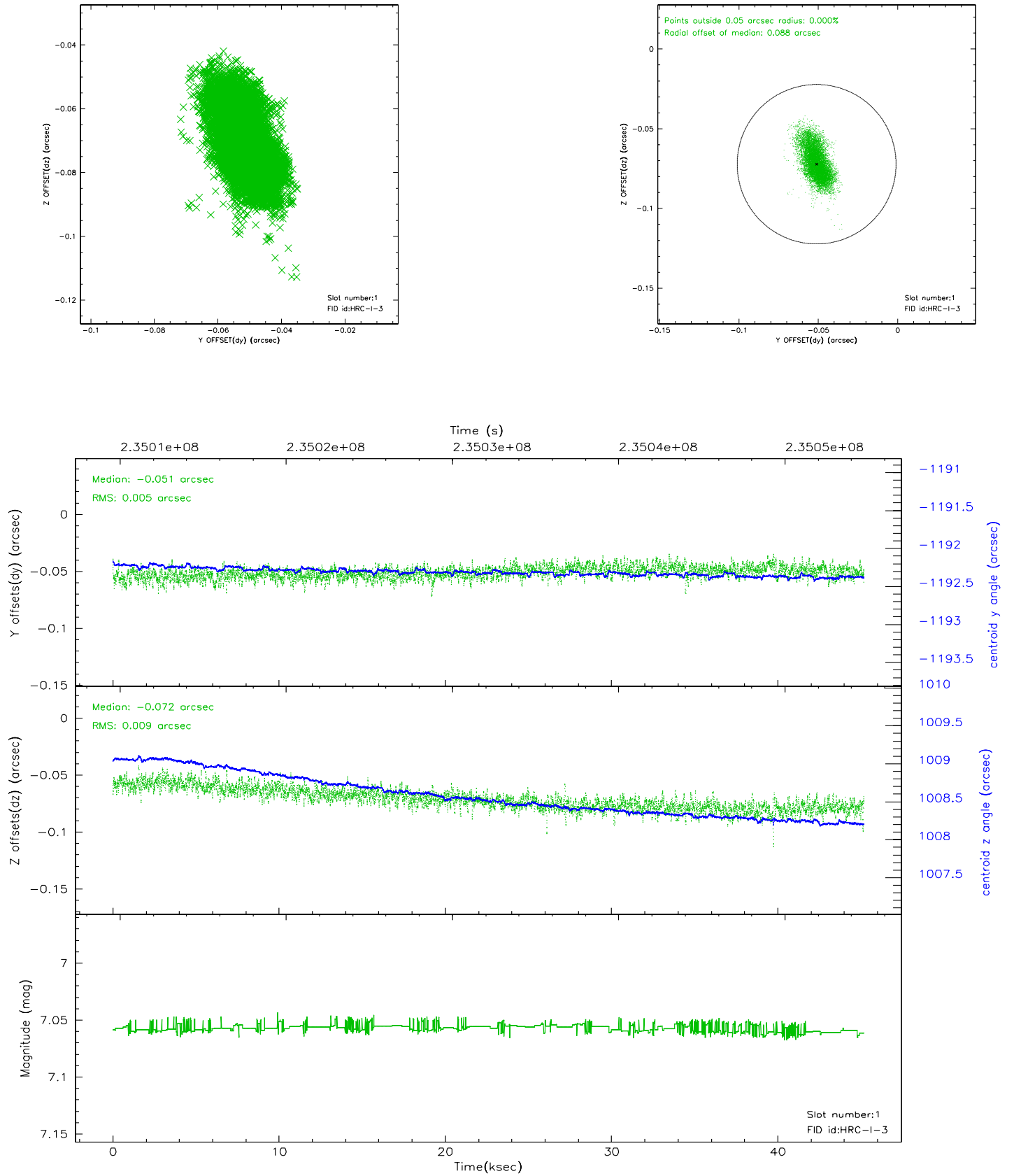


2.5 FID Slots

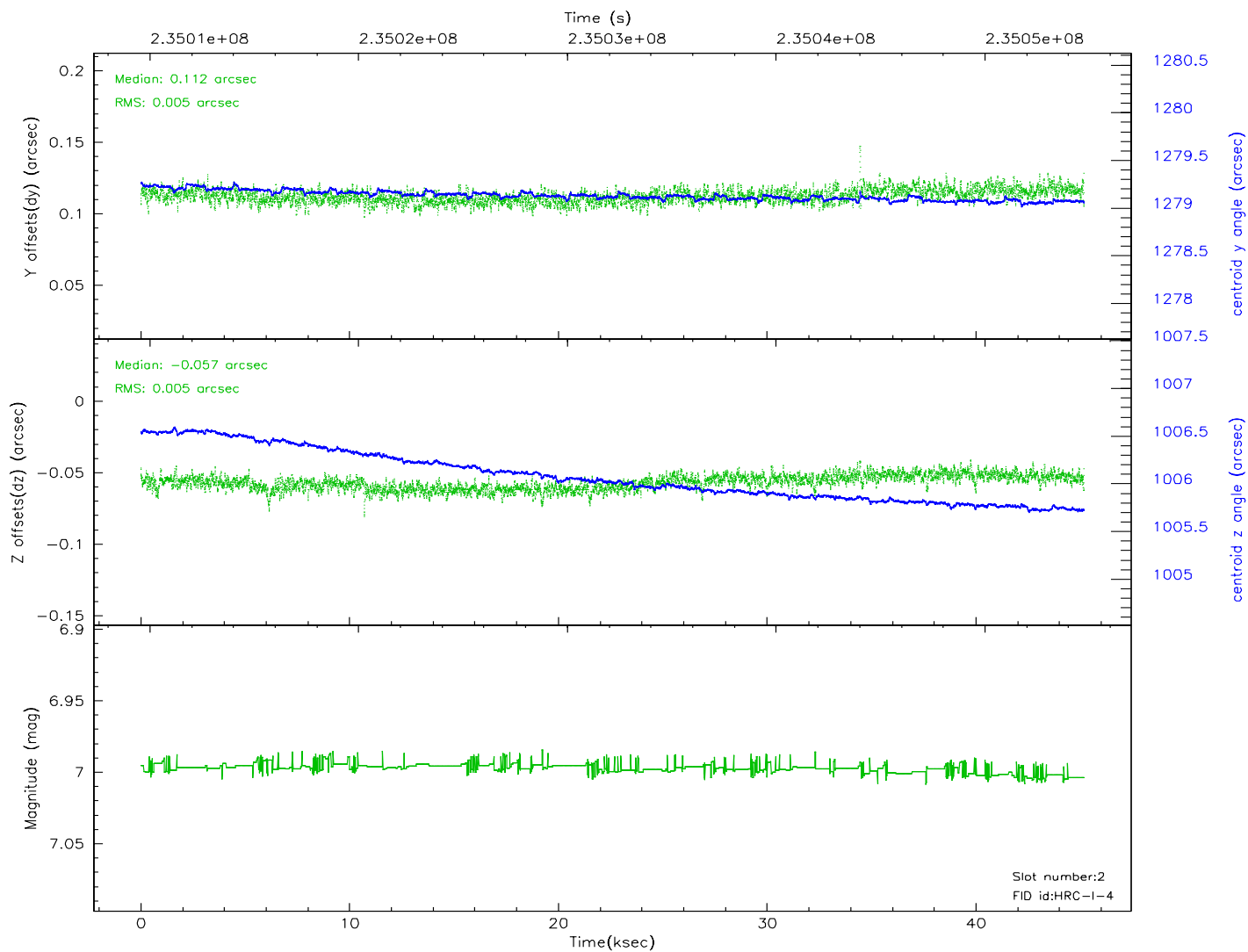
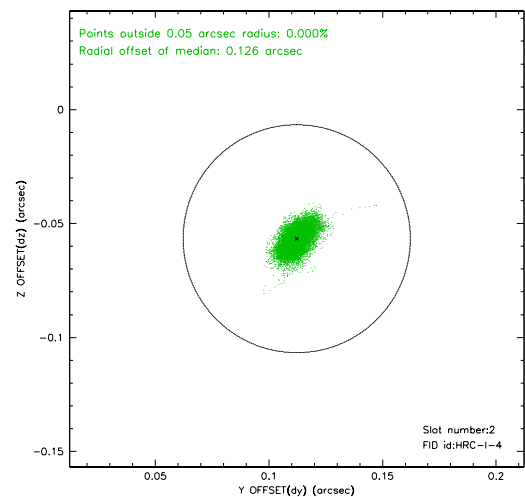
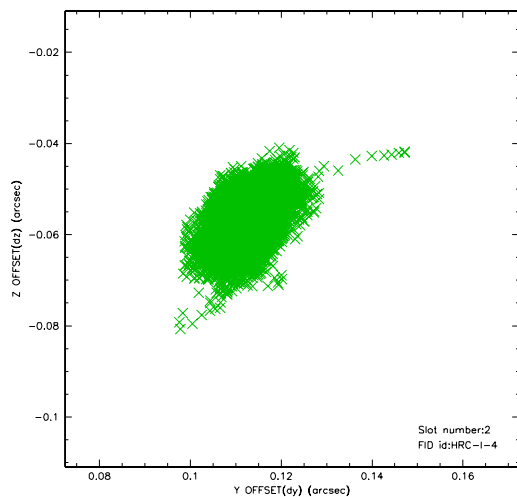
2.5.1 Slot 0



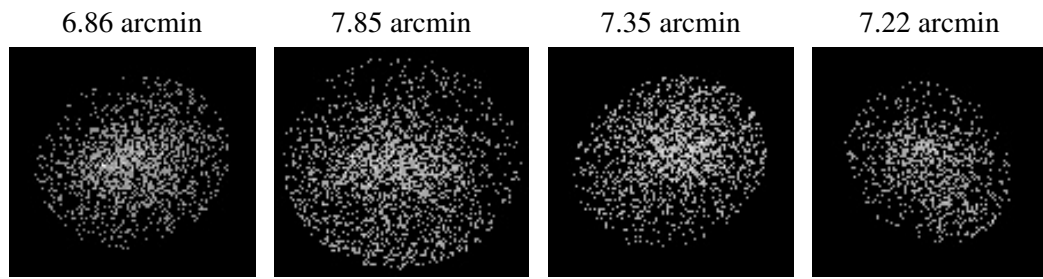
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.12.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	45.18738

A.2 Comments

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.