

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10228 - L2 Version 4
Chandra X-Ray Center

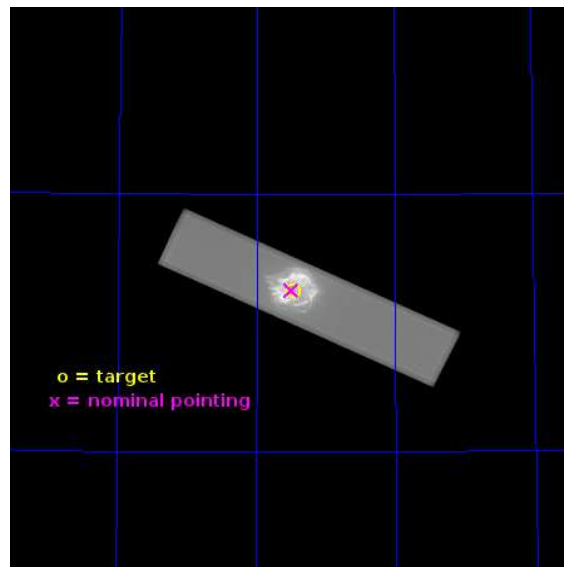
L2 Processing Date : Jun 29 2013

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1 Front

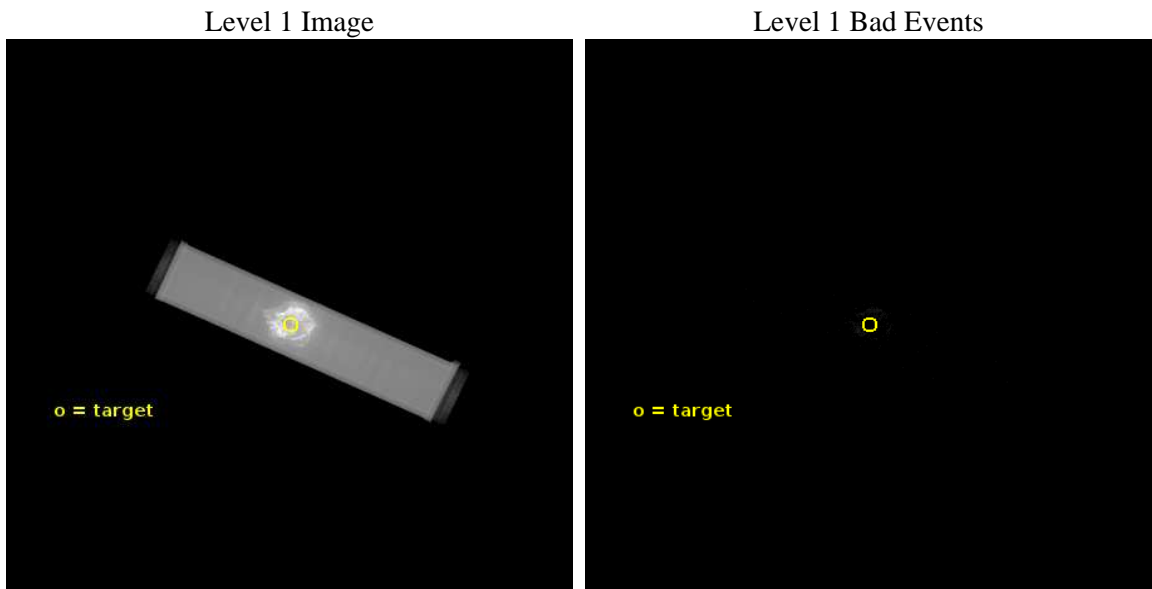
seq_num	501151	Sequence number
obs_id	10228	Observation id
title	The Spin and Magnetic Moment of the Neutron Star in Cassiopeia A	P
observer	Prof. Deepto Chakrabarty	Principal investigator
object	Cas A CCO	Source name
ra_targ	350.86625	Observer's specified target RA [deg]
dec_targ	58.811806	Observer's specified target Dec [deg]
ra_nom	350.87465305308	Nominal RA [deg]
dec_nom	58.813744360258	Nominal Dec [deg]
roll_nom	24.860145175055	Nominal Roll [deg]
revision	4	Processing version of data
ontime	130988.08776492	[s]
livetime	129519.5860073	Ontime multiplied by DTCOR
l2events	18270262	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	130800.000000	[s] Scheduled observation exposure time
ascdsver	10	Processing system revision	ontime	130988.08776492	[s]
caldsver	4.5.7	 	l1events	21167709	Number of level 1 events
date	2013-06-29T05:37:02	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

	segment 1	segment 2	segment 3
level 1 events	11327	21156349	33
rejected events	16	33841	11
rejected %	0%	0%	33%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	350.845069	350.8746530530778			
[deg] Pointing Dec	58.789477	58.81374436025807			
[deg] Pointing Roll	24.818116	24.86014517505491			
[mm] SIM focus pos	-1.533336	-1.526339935833849			
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	354660556.184000	354659730.13229			
Observation start date	2009-03-28T20:48:10	2009-03-28T20:35:30			
[s] Observation end time (MET)	354791356.184000	354792299.02639			
Observation end date	2009-03-30T09:08:10	2009-03-30T09:24:59			

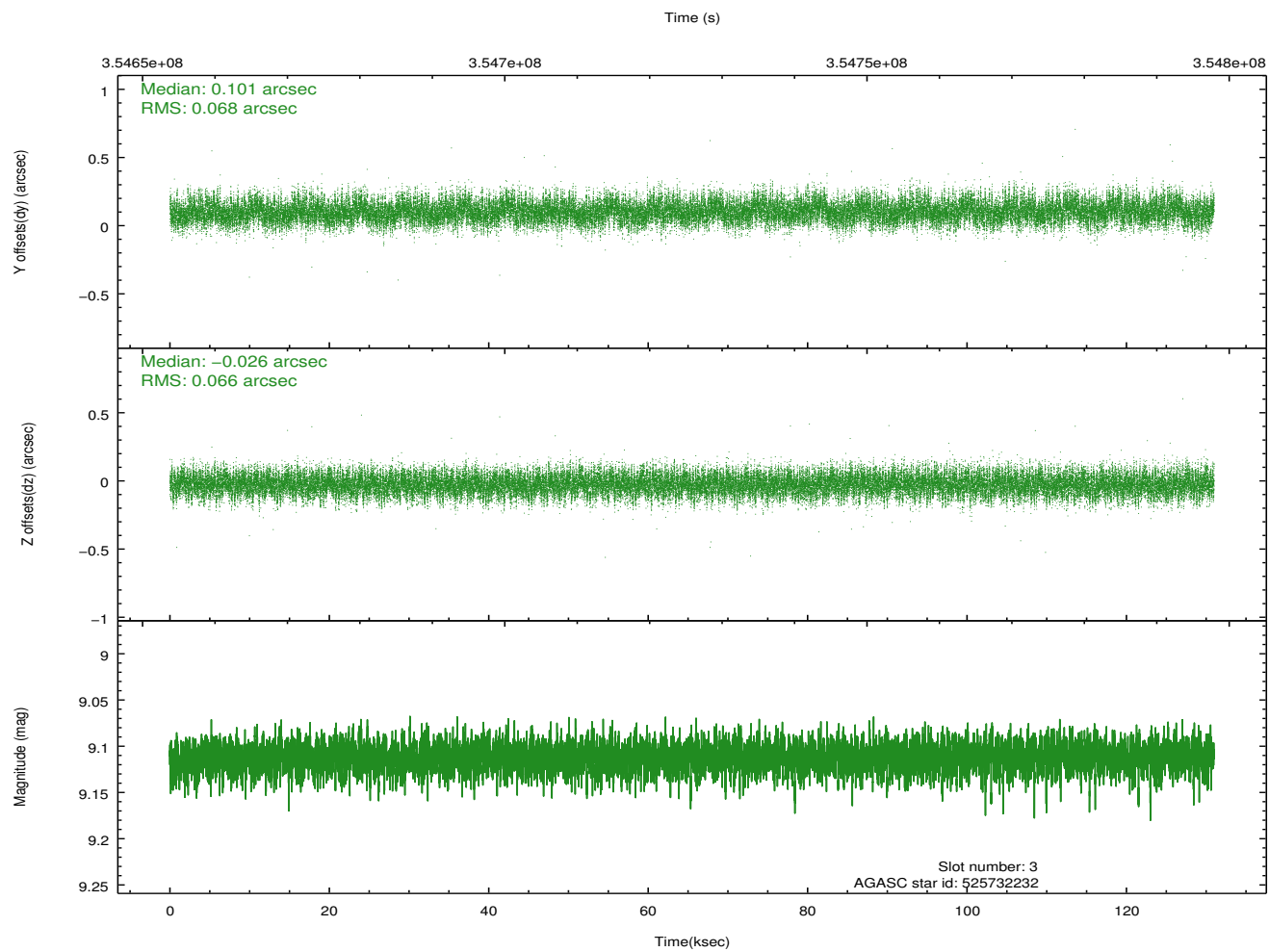
2.3 Aspect

Slot Statistics

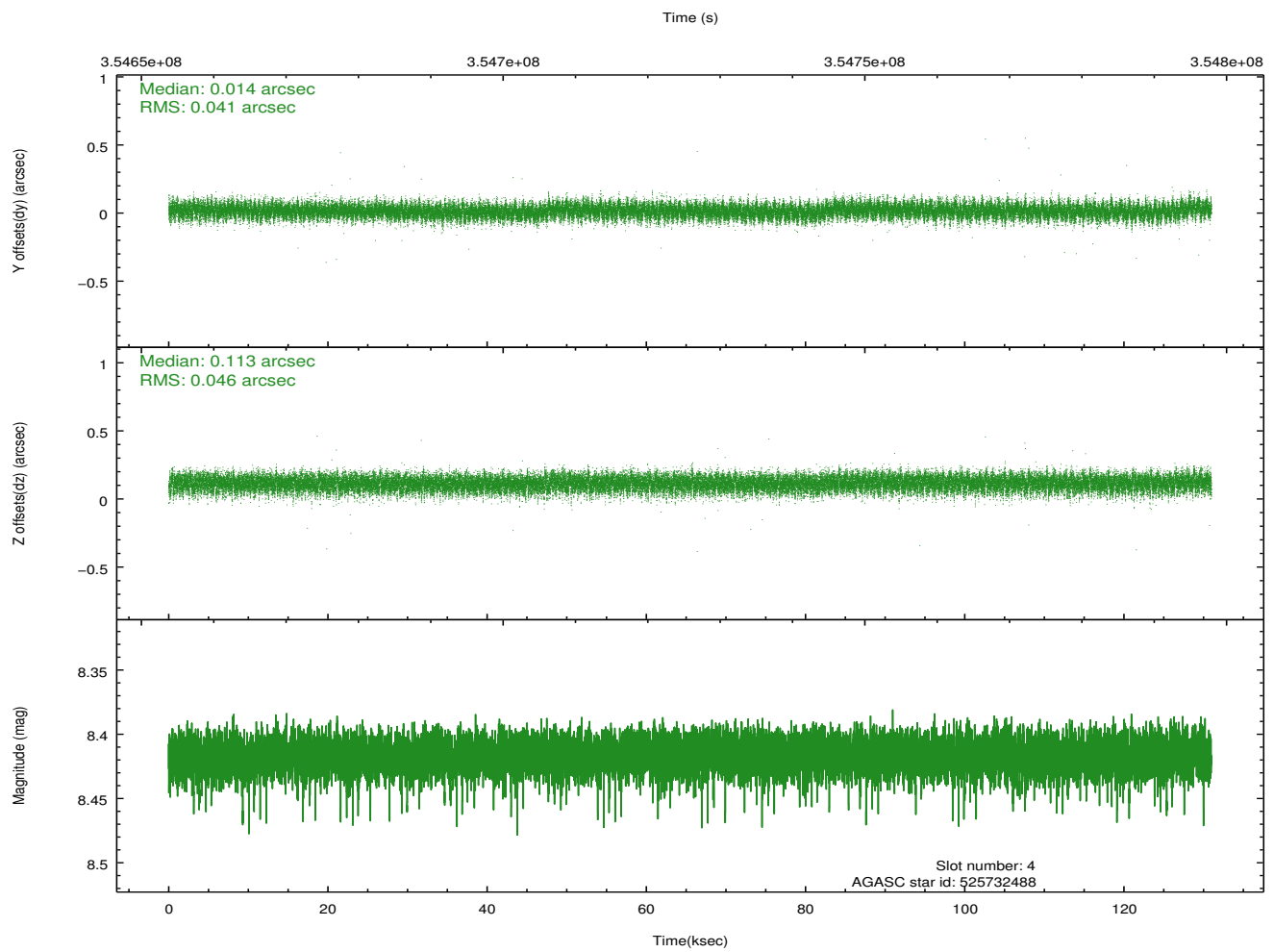
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	31946	0.038	-0.173	0.018	0.027	0.000000	0.000000	-1170.54	-465.70
1	FID	HRC-S-3	7.02	31949	0.095	-0.063	0.029	0.042	0.000000	0.000000	-1173.27	563.92
2	FID	HRC-S-4	6.96	31944	0.252	-0.061	0.030	0.041	0.000000	0.000000	1227.85	566.59
3	GUIDE	525732232	9.11	63835	0.101	-0.026	0.102	0.162	351.669550	58.757012	1353.07	-744.87
4	GUIDE	525732488	8.42	63865	0.014	0.113	0.065	0.105	350.087090	58.516915	-1701.58	-284.93
5	GUIDE	525735456	7.05	63889	-0.294	-0.242	0.055	0.086	350.628183	59.307249	420.59	1859.66
6	GUIDE	525735976	8.84	63857	0.041	0.090	0.079	0.128	350.142956	58.277622	-1976.68	-1108.15
7	GUIDE	525732992	8.74	63846	0.136	0.067	0.072	0.117	351.453545	59.666957	2332.34	2407.83

2.4 Star Slots

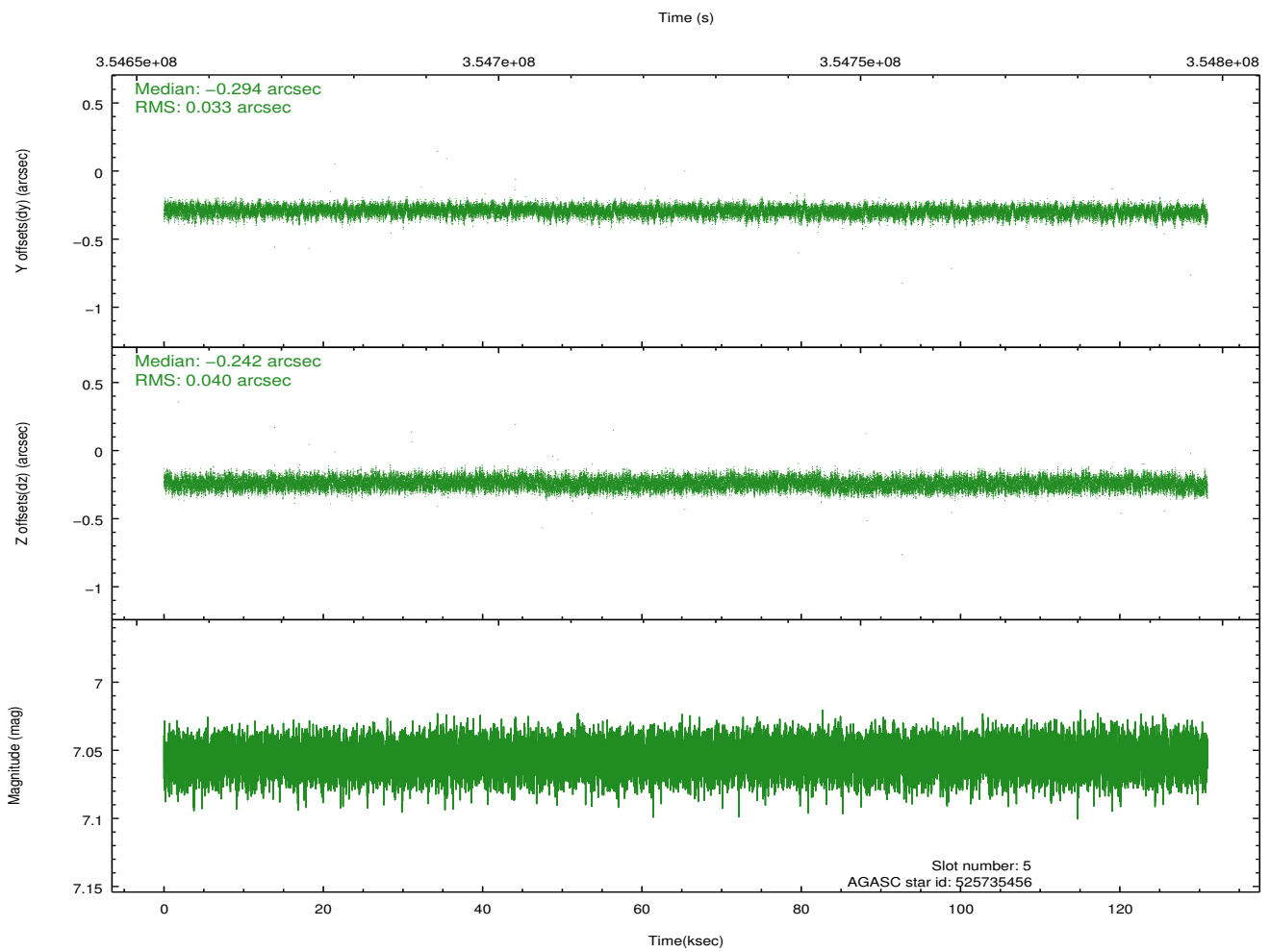
2.4.1 Slot 3



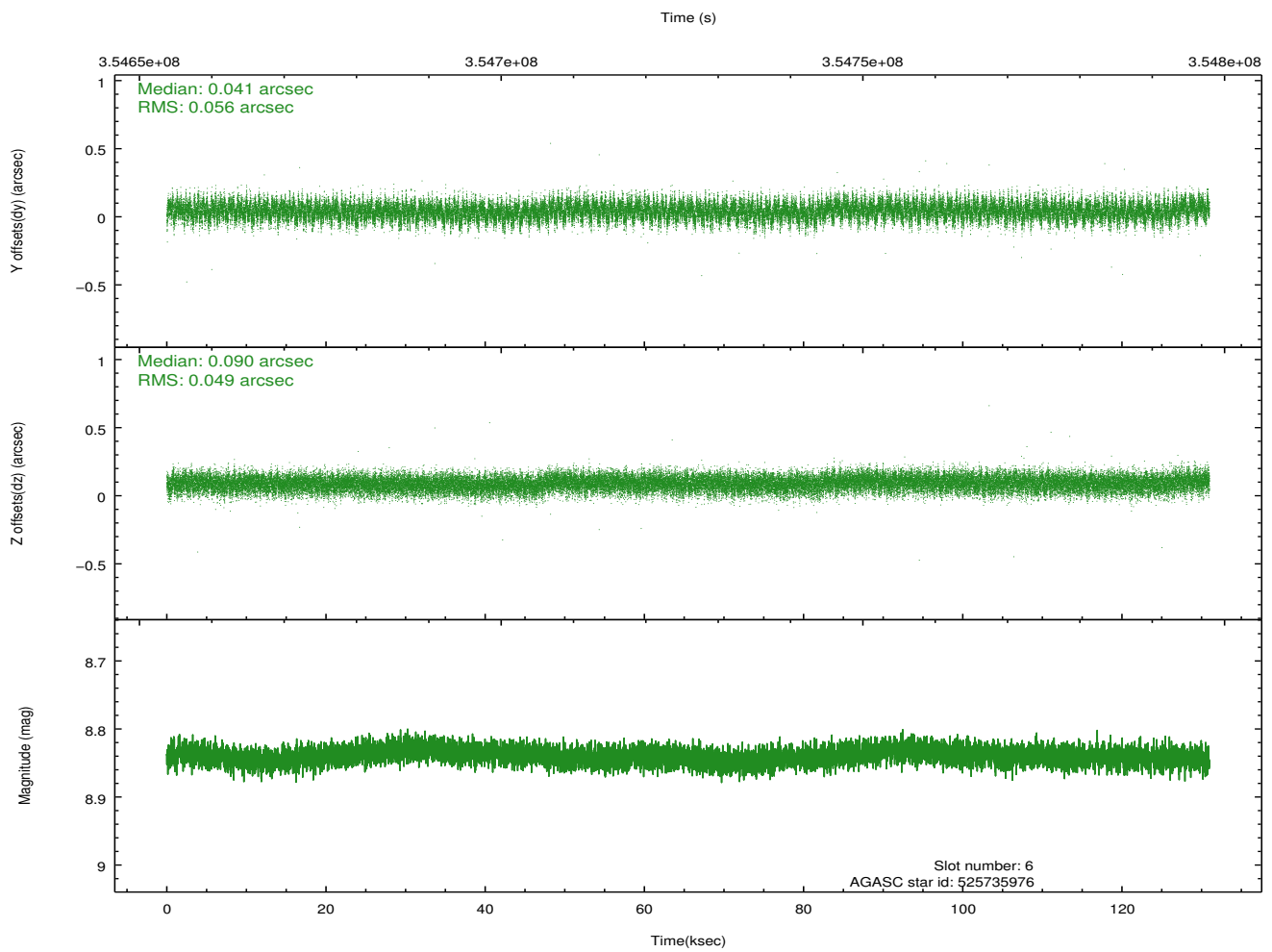
2.4.2 Slot 4



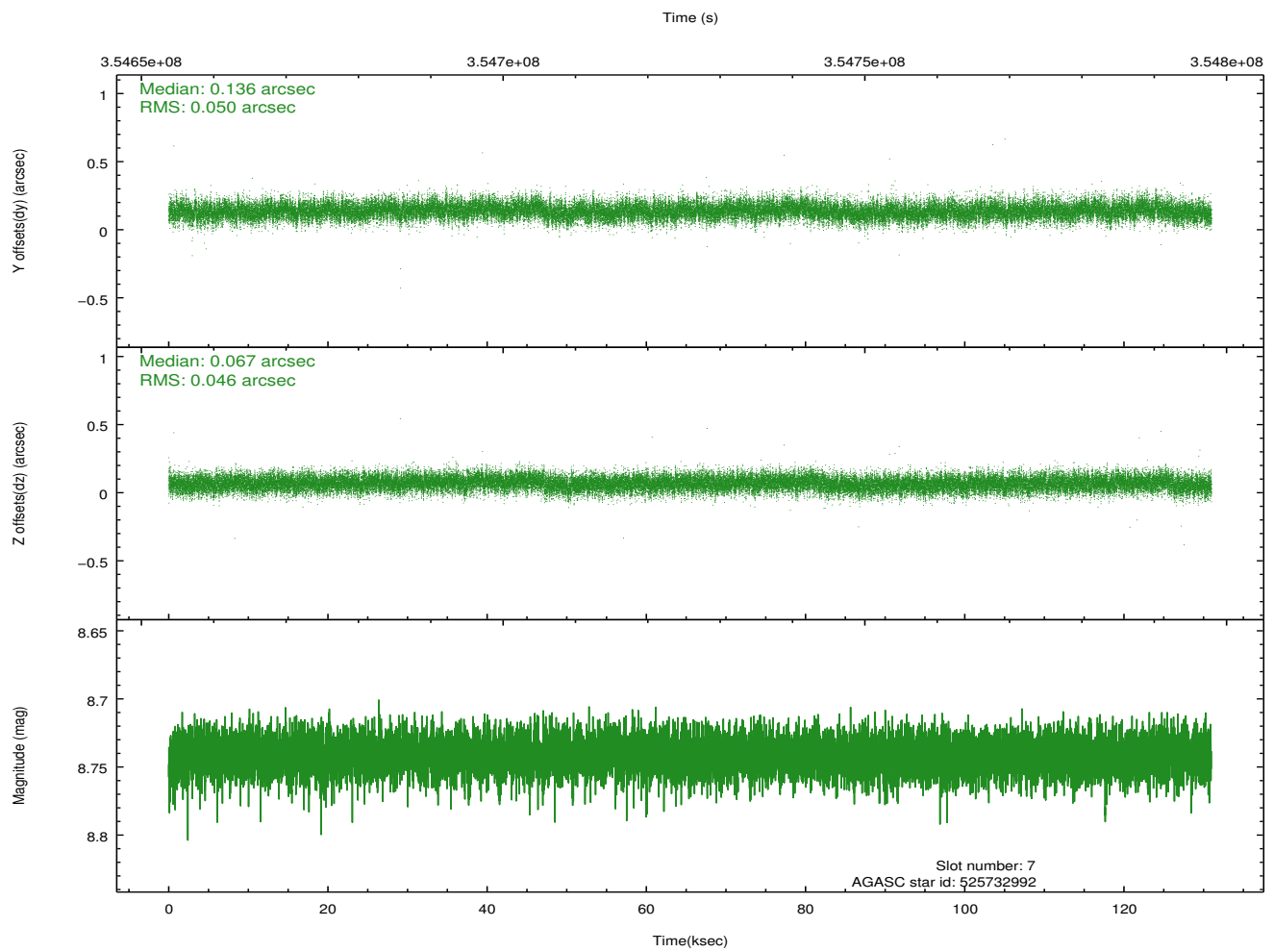
2.4.3 Slot 5



2.4.4 Slot 6

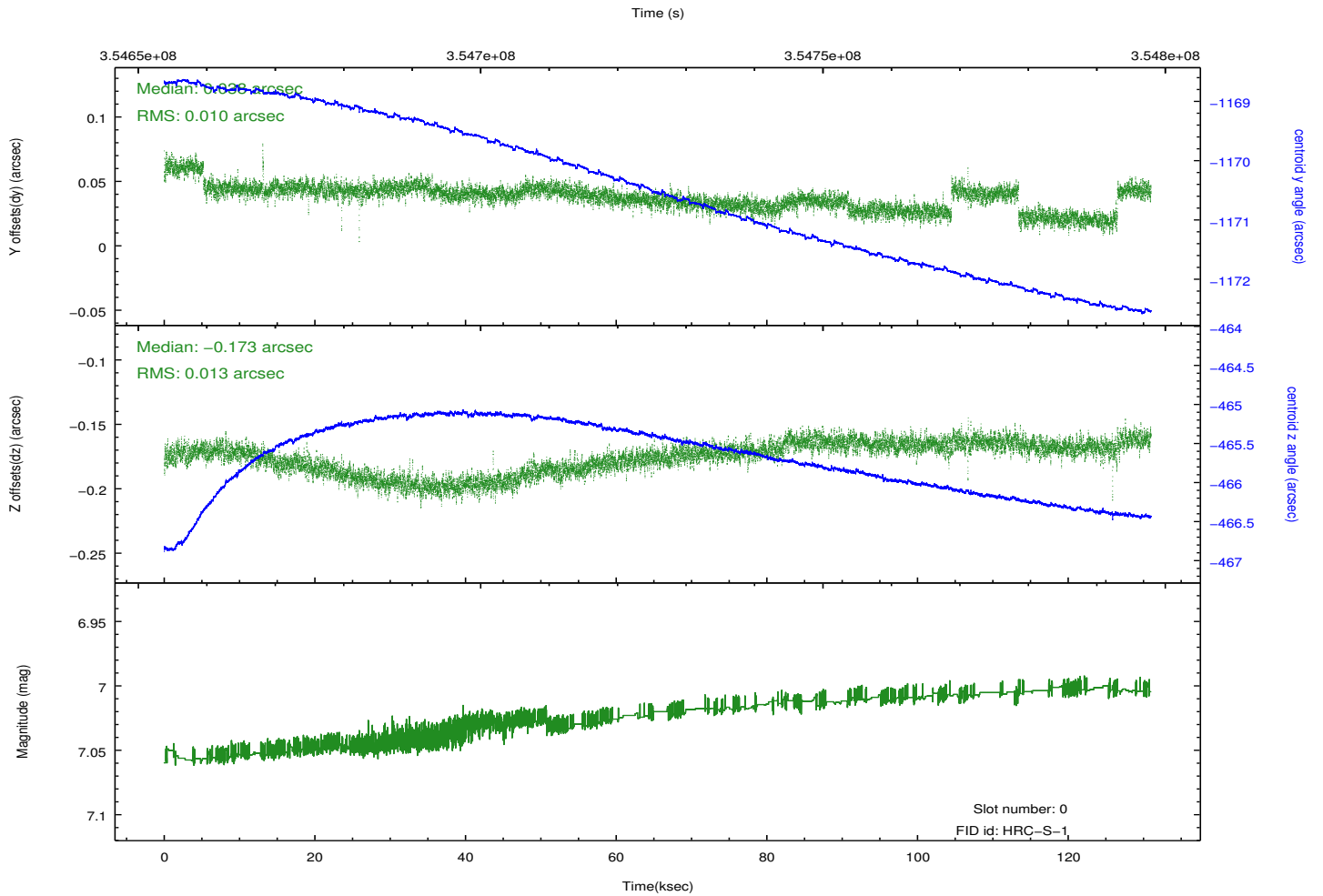
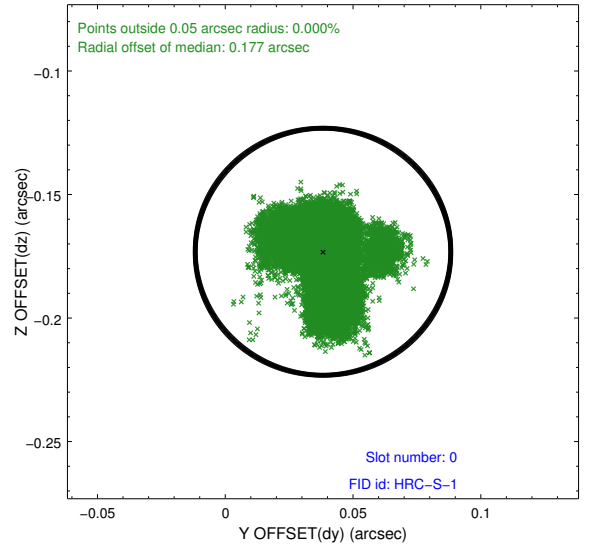
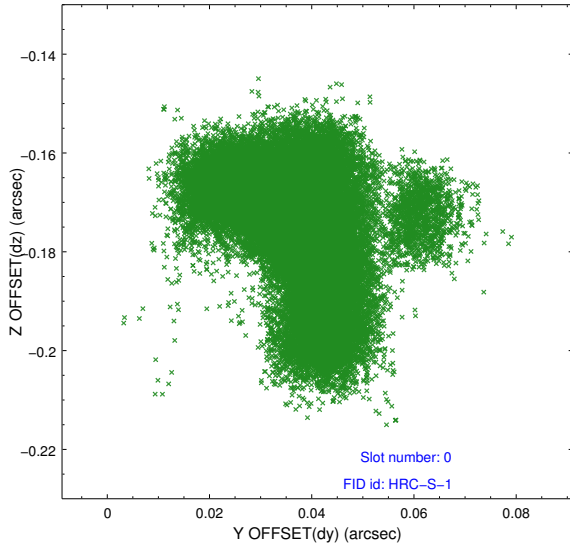


2.4.5 Slot 7

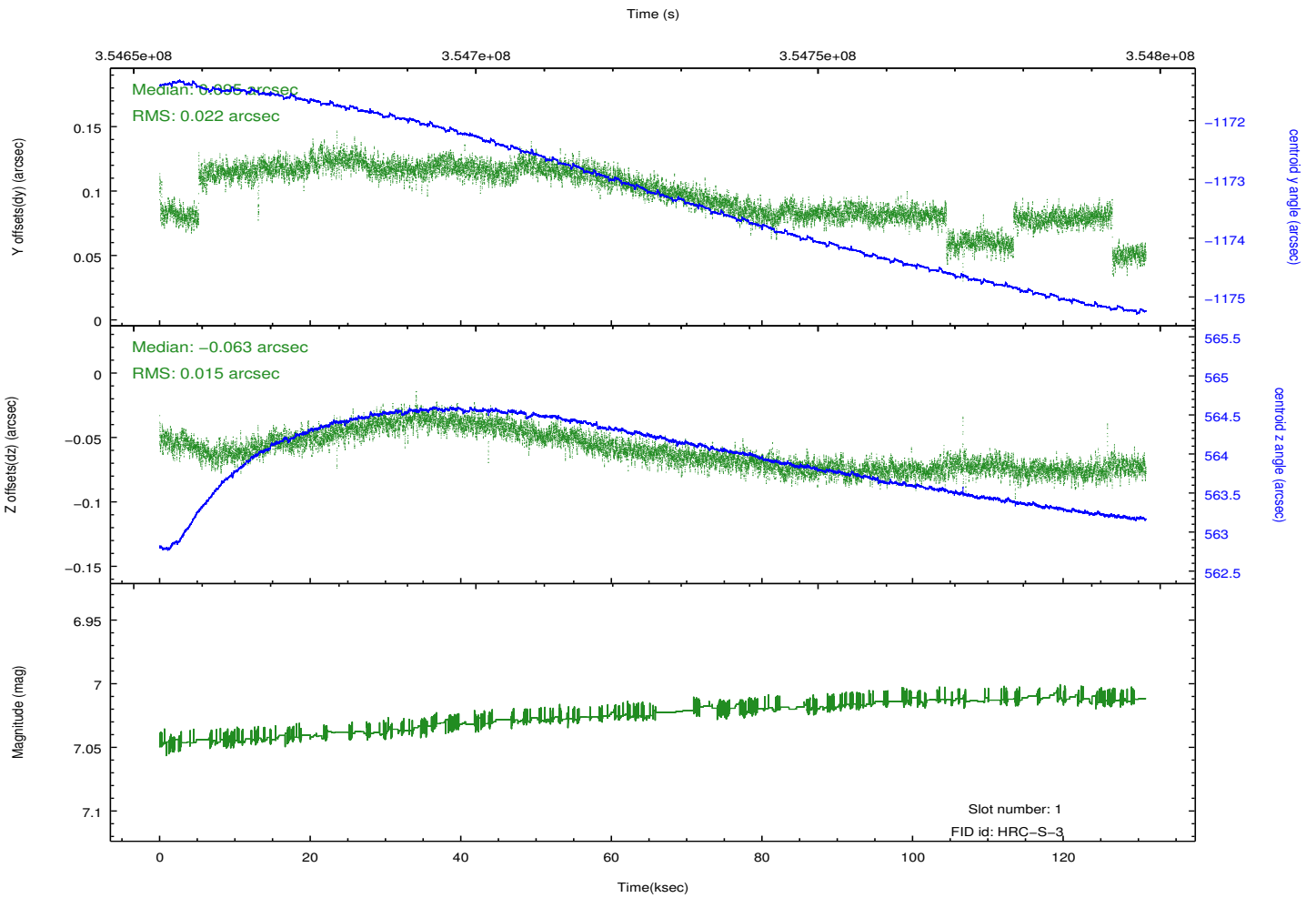
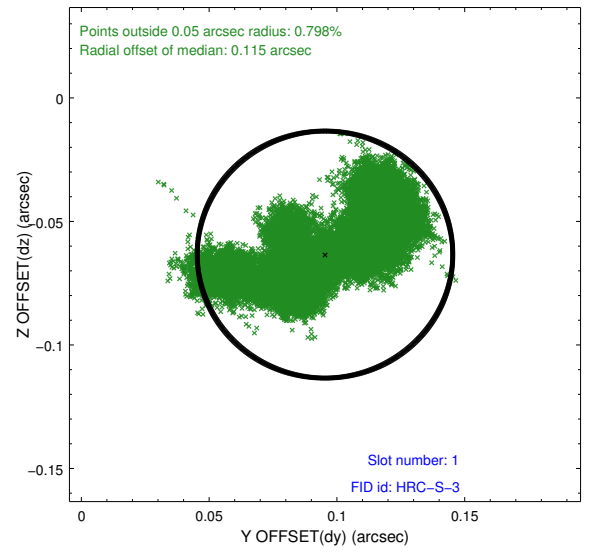
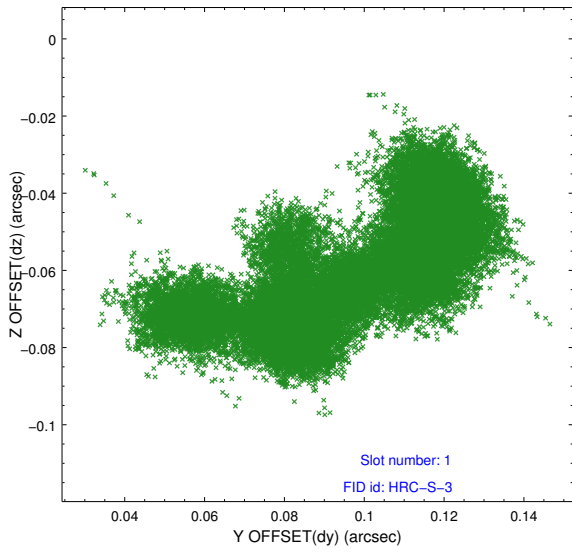


2.5 FID Slots

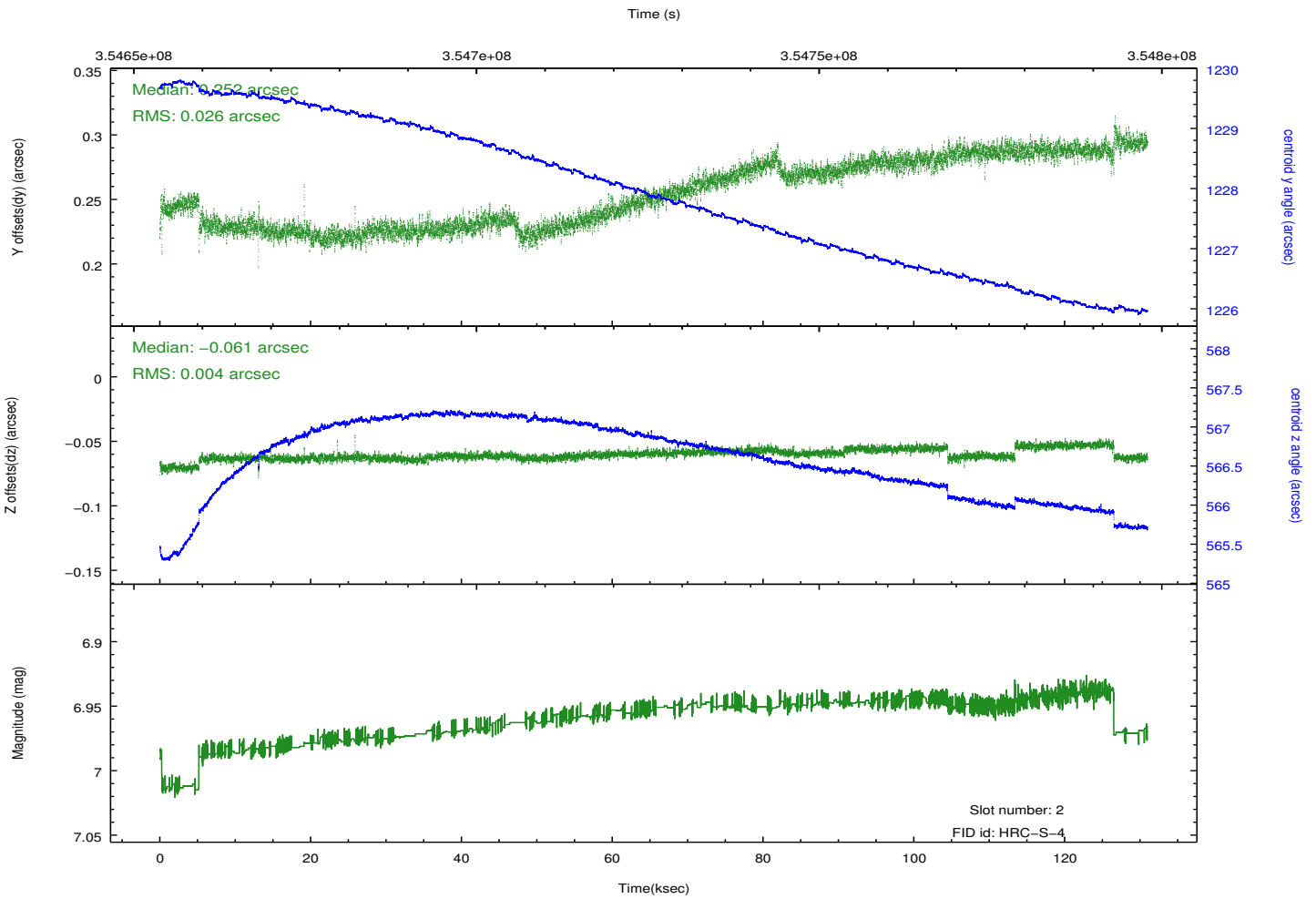
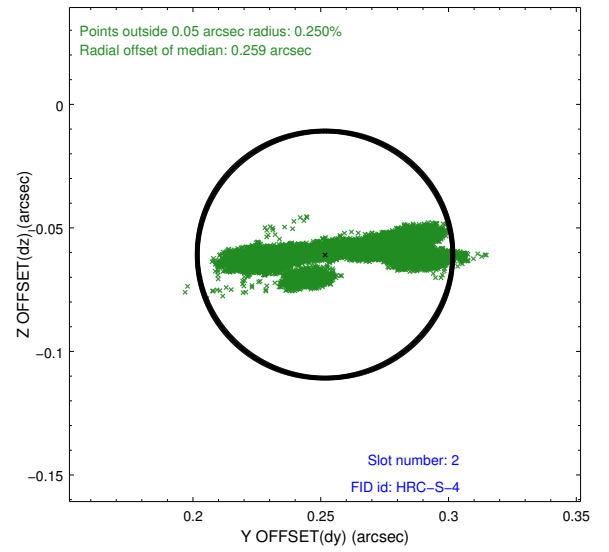
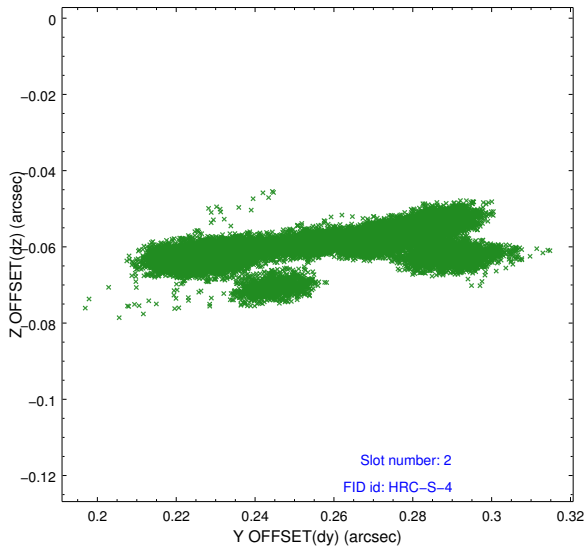
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.07.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	130.988087

A.2 Comments