

V&V Reference Report

L2 ASCDS Version : 8.2.1

Observation 1139 - L2 Version 4

Chandra X-Ray Center

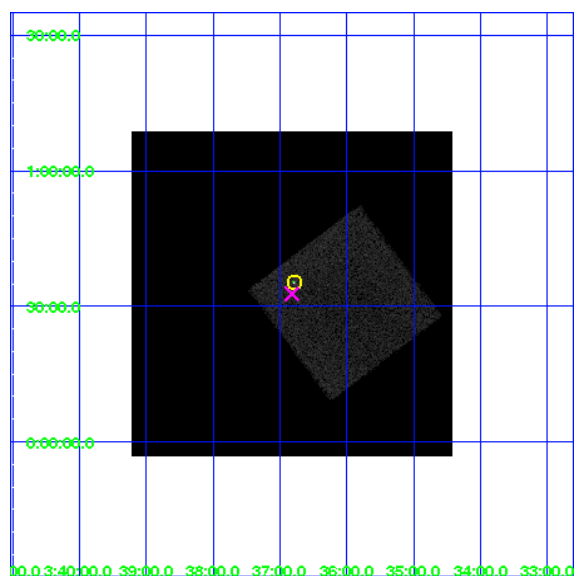
L2 Processing Date : Jan 12 2010

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.5	FID Slots	13
2.5.1	Slot 0	13
2.5.2	Slot 1	14
2.5.3	Slot 2	15
3	Point Sources	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

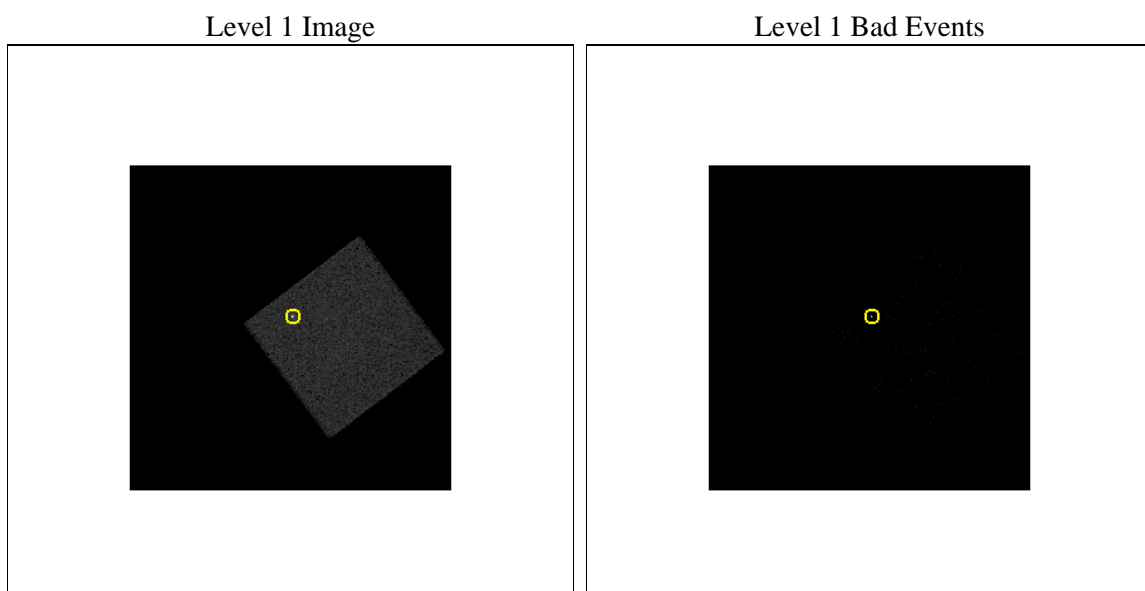
seq_num	280089	Sequence number
obs_id	1139	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	HR1099	Source name
ra_targ	54.197083	Observer's specified target RA
dec_targ	0.589972	Observer's specified target Dec
ra_nom	54.205420502109	Nominal RA
dec_nom	0.54615740851563	Nominal Dec
roll_nom	98.090487038669	Nominal Roll
revision	4	Processing version of data
ontime	796.68127860874	[s]
livetime	789.11129003332	Ontime multiplied by DTCOR
l2events	41367	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	1000.000000	Scheduled observation exposure time
ascdsver	8.2.1	Processing system revision	ontime	796.68127860874	[s]
caldbver	4.1.5	 	l1events	70464	Number of level 1 events
date	2010-01-12T23:36:43	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

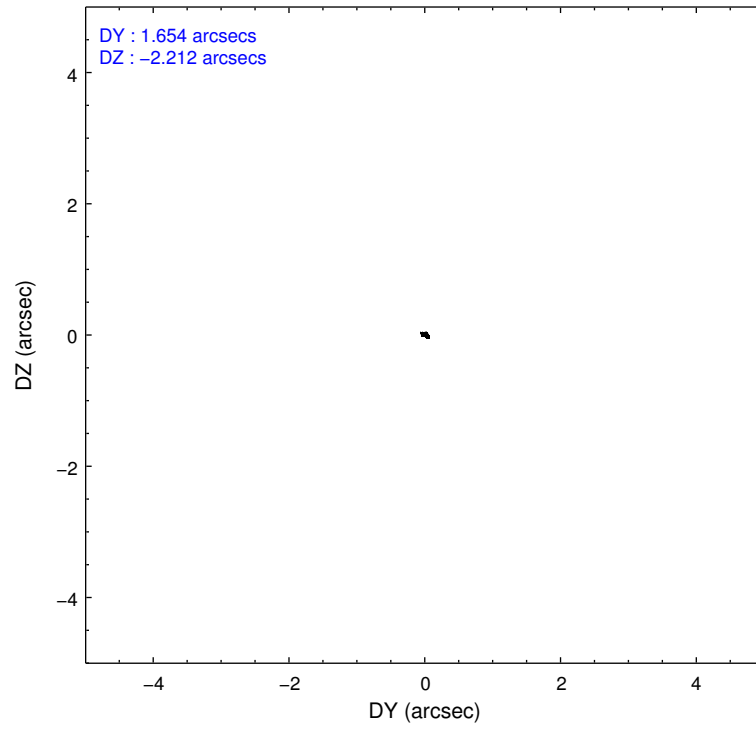
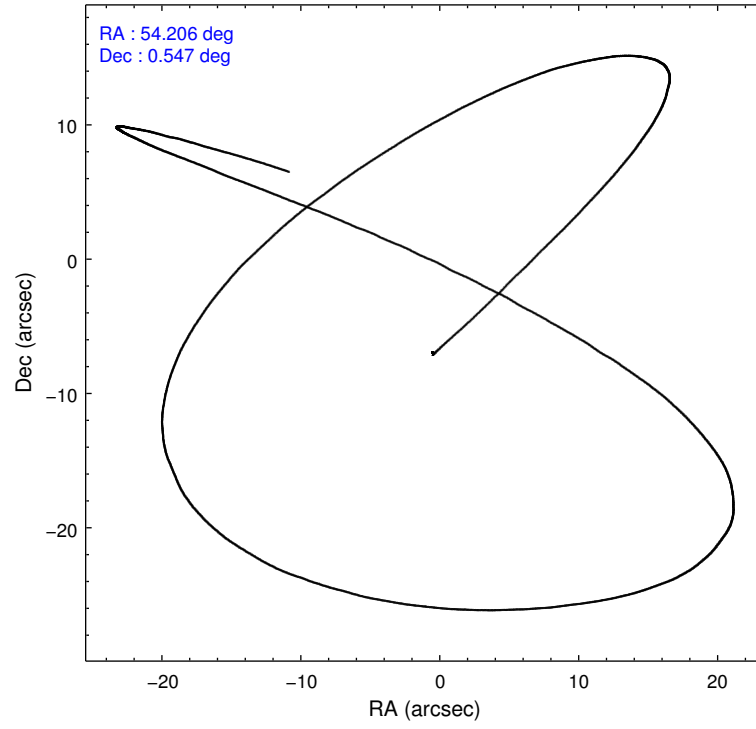
	segment 0
level 1 events	70464
rejected events	3334
rejected %	4%

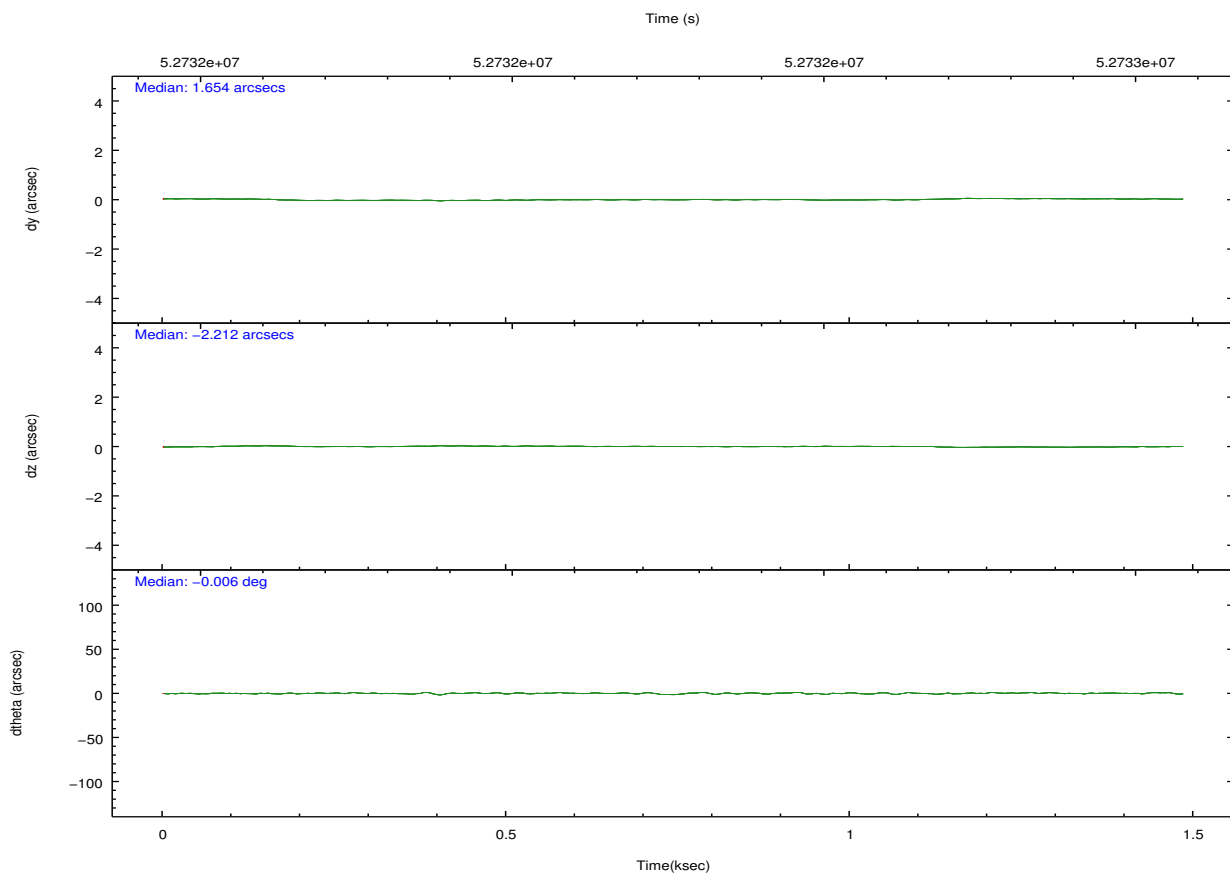
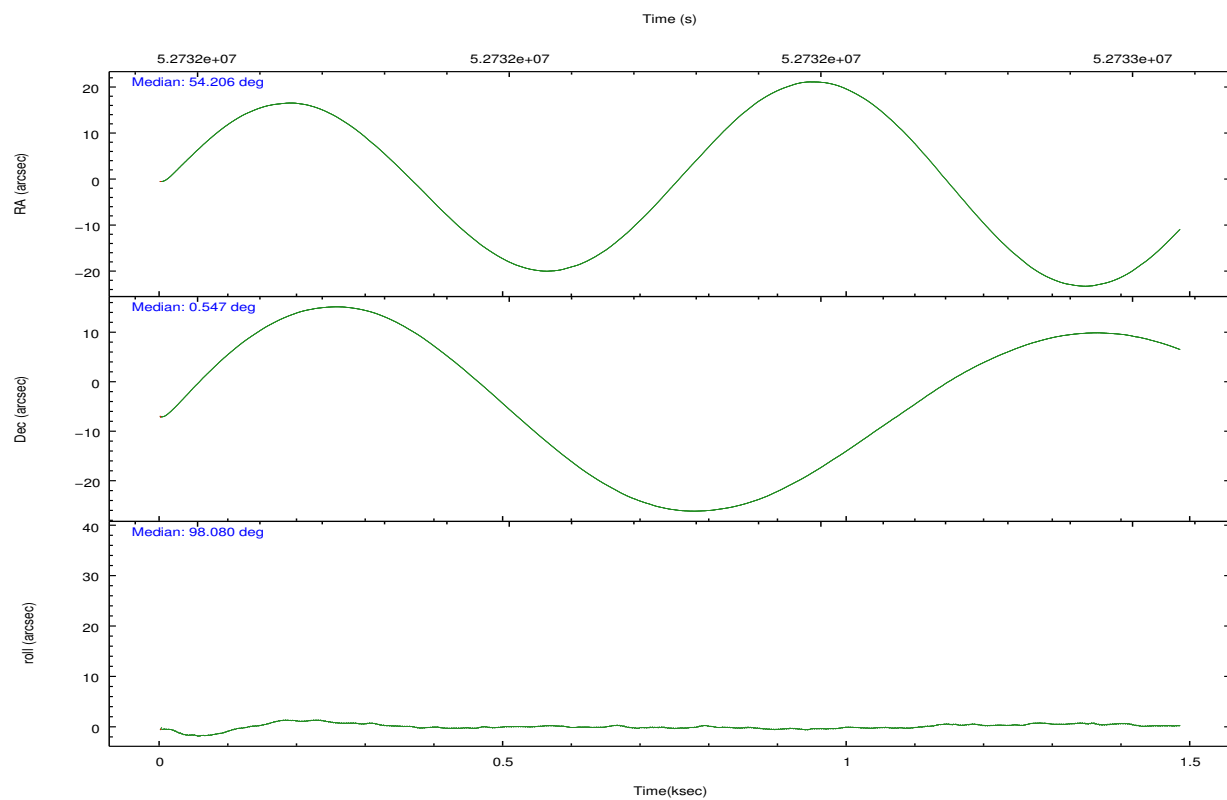
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	54.222462	54.20542050210854
Pointing Dec	0.523576	0.5461574085156269
Pointing Roll	98.185801	98.09048703866894
SIM focus pos (mm)	-1.040293	-1.300001029371461
SIM defocus (mm)	0	-0.259708408712586
SIM translation stage pos (mm)	91.869942	91.86553817309772
SIM translation stage offset (mm)	35.115552	35.11995071850384
Observation start time	52732002.184000	52731335.769516
Observation start date	1999-09-03T07:45:38	1999-09-03T07:35:35
Observation end time	52733002.184000	52733135.669581
Observation end date	1999-09-03T08:02:18	1999-09-03T08:05:35

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



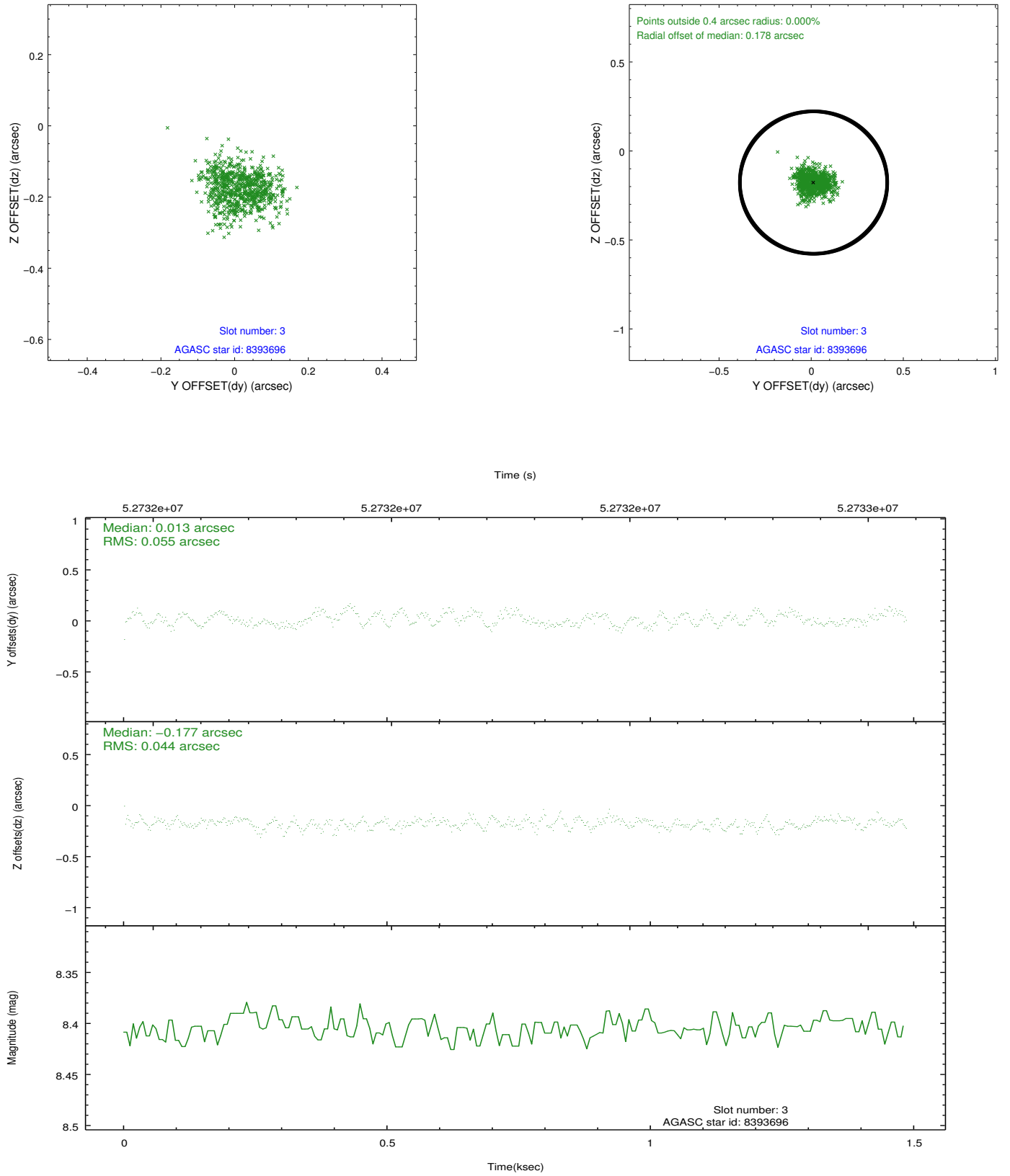


Slot Statistics

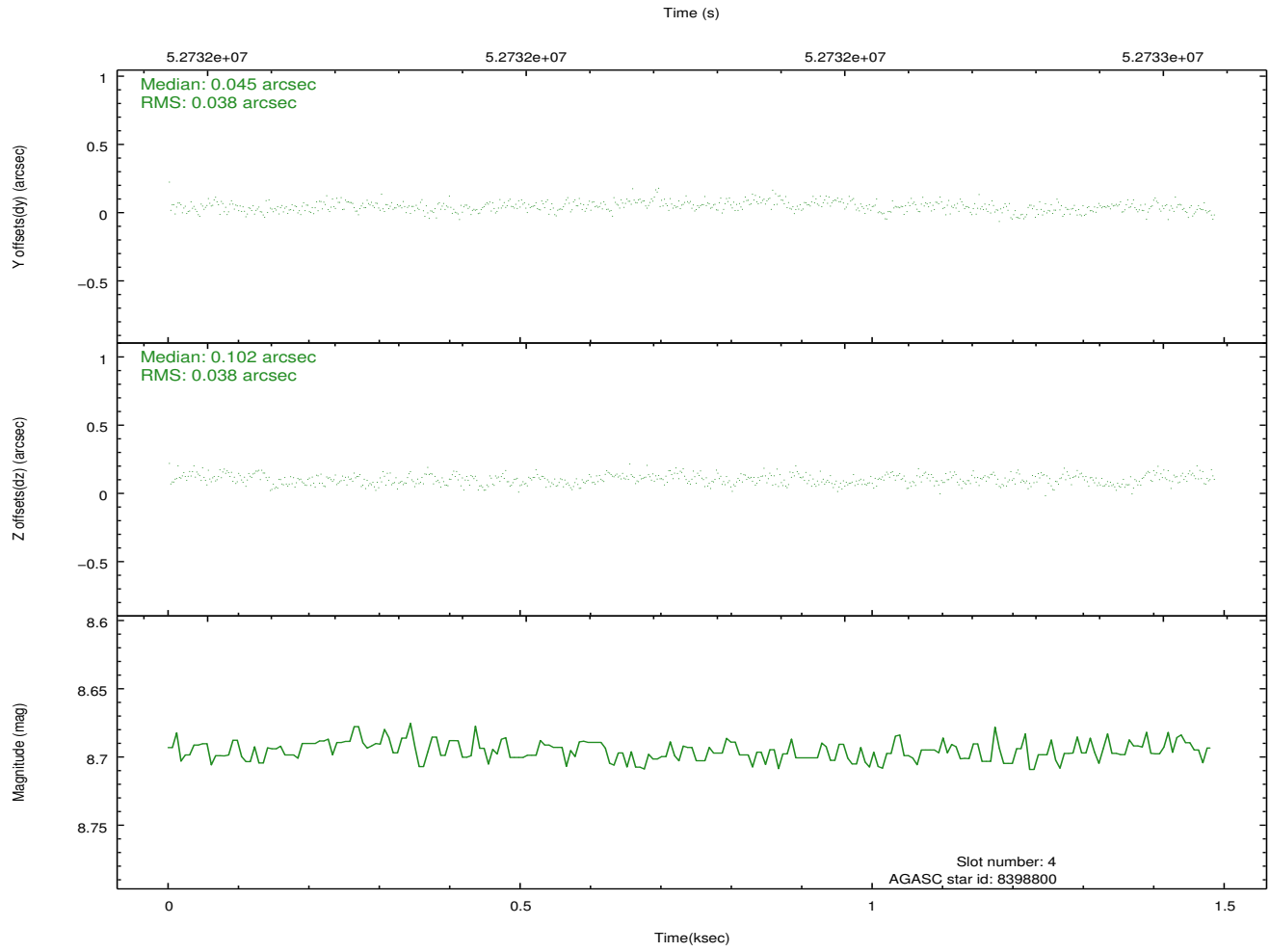
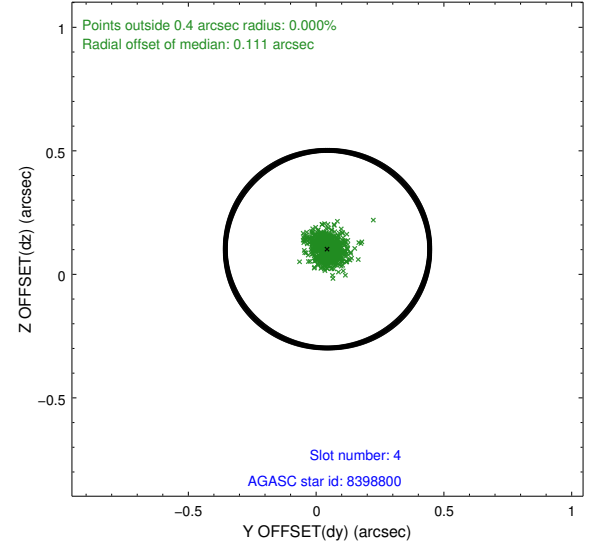
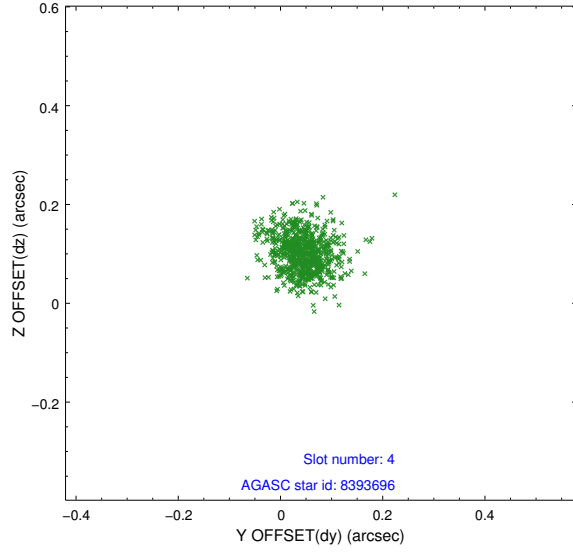
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.95	725	-0.266	-0.133	0.007	0.012	0.000000	0.000000	-755.81	-567.50
1	FID	HRC-I-3	7.01	725	0.250	-0.227	0.007	0.012	0.000000	0.000000	-1187.42	1739.84
2	FID	HRC-I-4	6.87	725	0.131	0.268	0.005	0.009	0.000000	0.000000	1283.08	1741.73
3	GUIDE	8393696	8.40	725	0.013	-0.177	0.074	0.118	53.645666	0.680479	850.43	1974.27
4	GUIDE	8398800	8.70	725	0.045	0.102	0.056	0.093	54.242352	0.922024	1406.79	-272.47
5	GUIDE	8390744	9.03	725	-0.055	-0.130	0.080	0.137	53.677290	0.926294	1712.03	1735.36
6	GUIDE	8395104	8.66	724	-0.004	0.204	0.069	0.117	54.744893	0.796520	703.62	-1999.03
7	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00

2.4 Star Slots

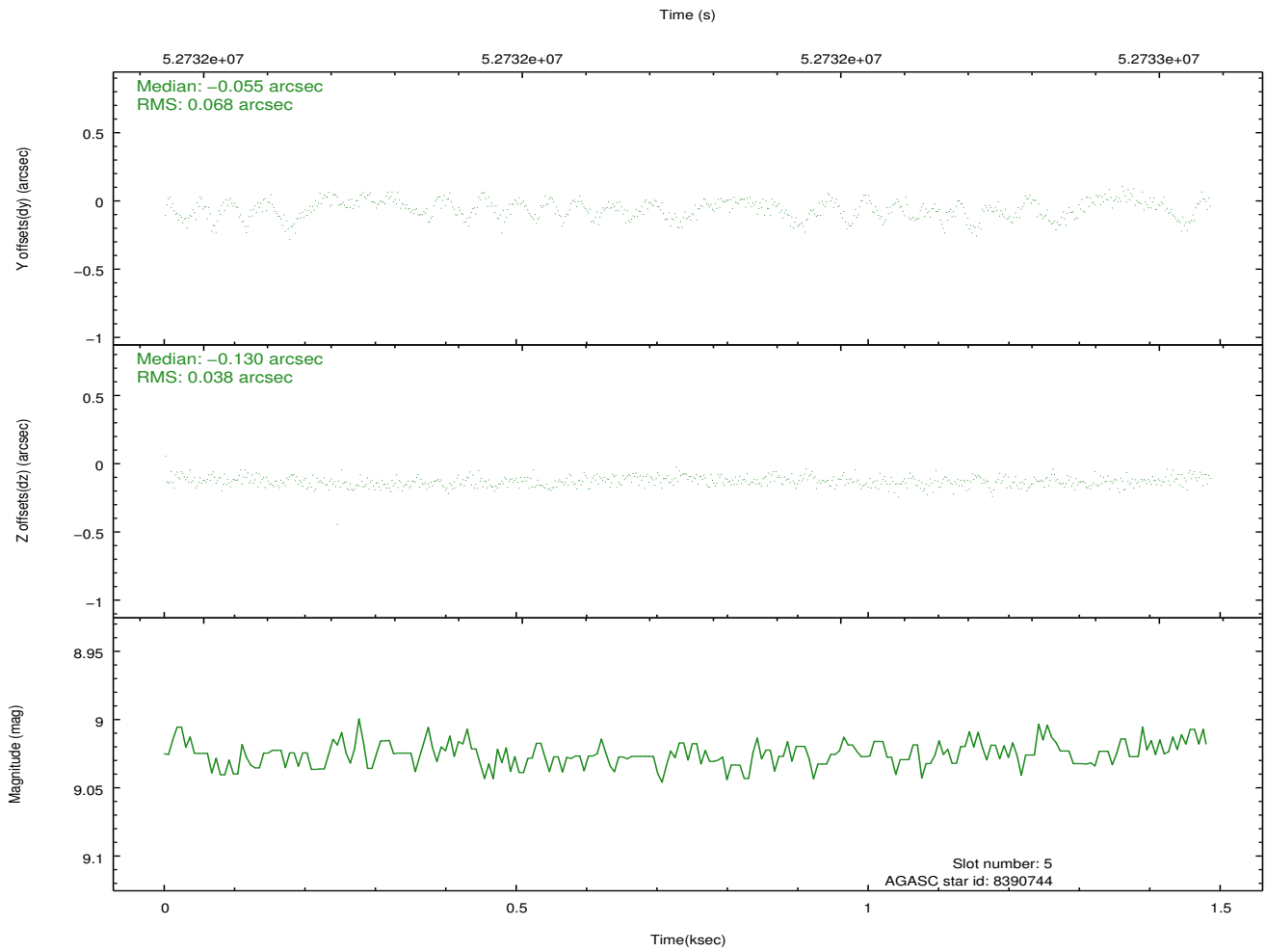
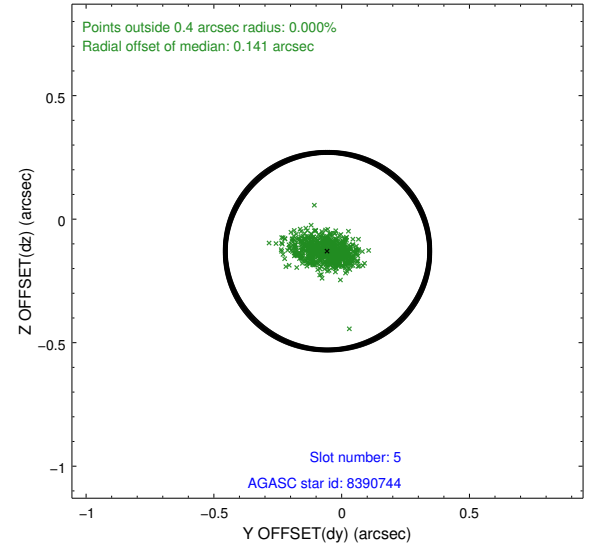
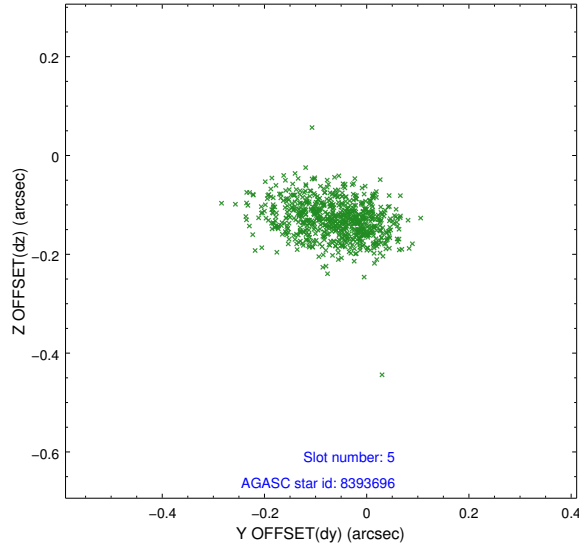
2.4.1 Slot 3



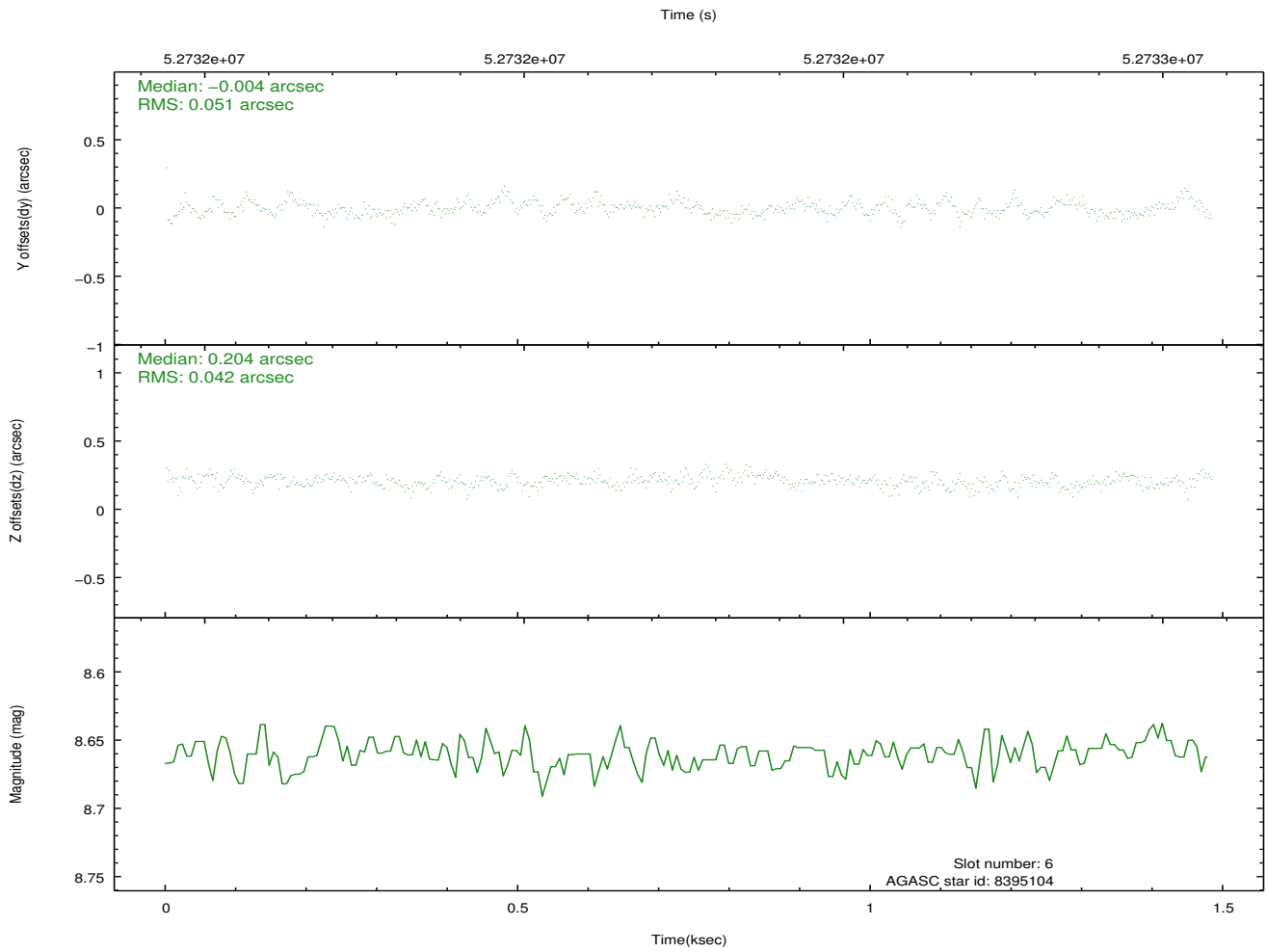
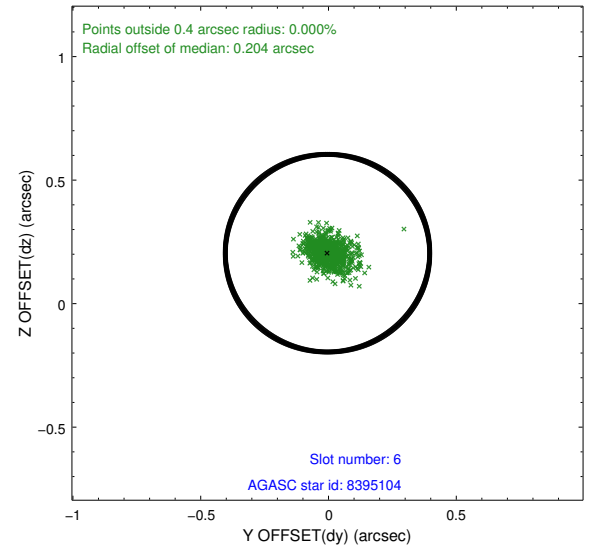
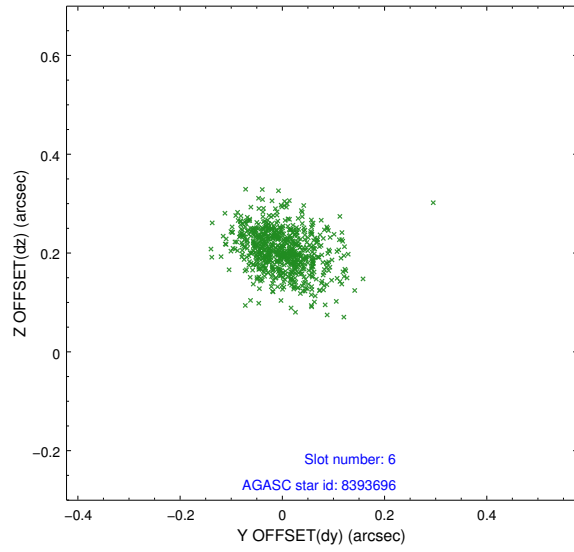
2.4.2 Slot 4



2.4.3 Slot 5

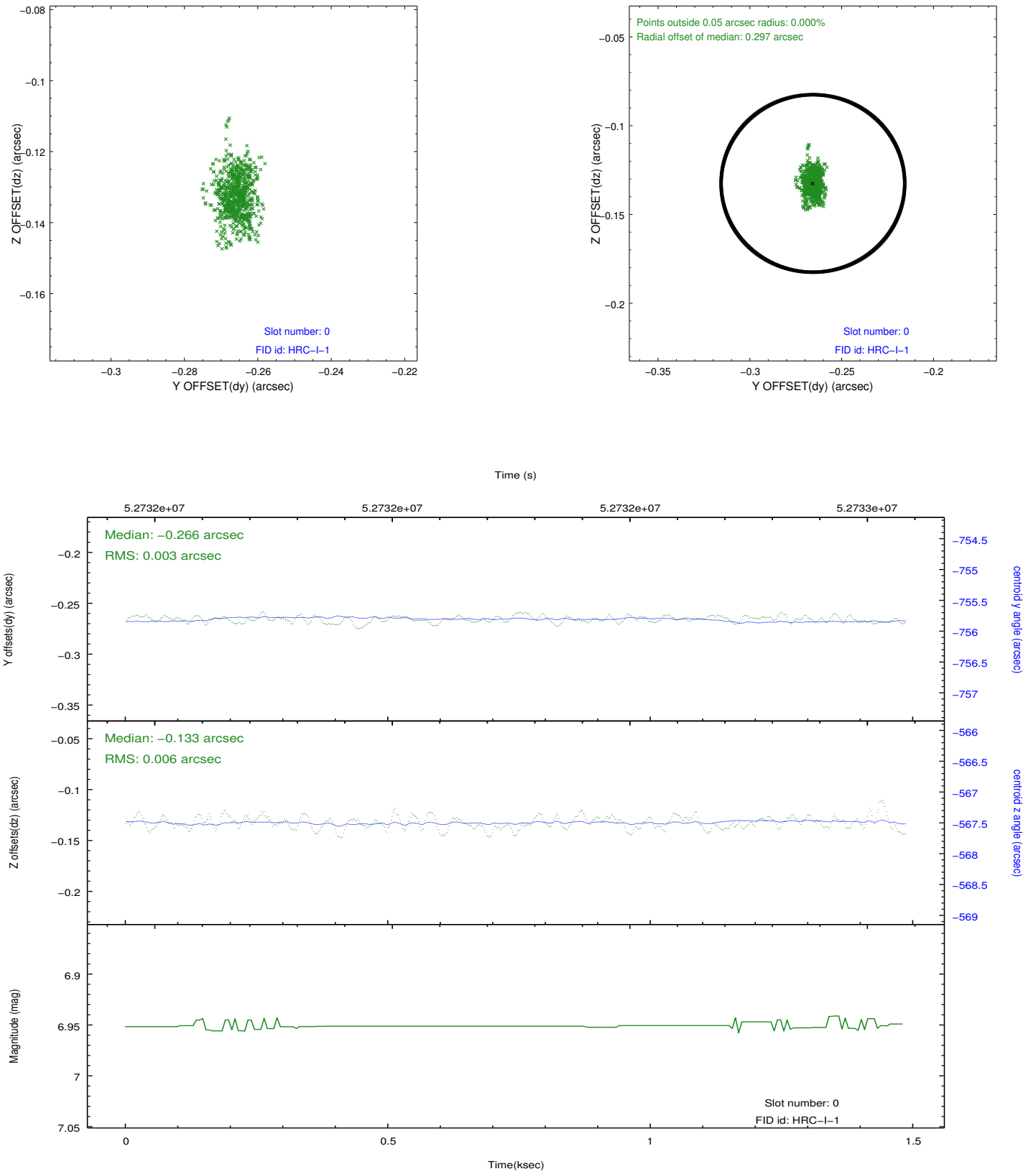


2.4.4 Slot 6

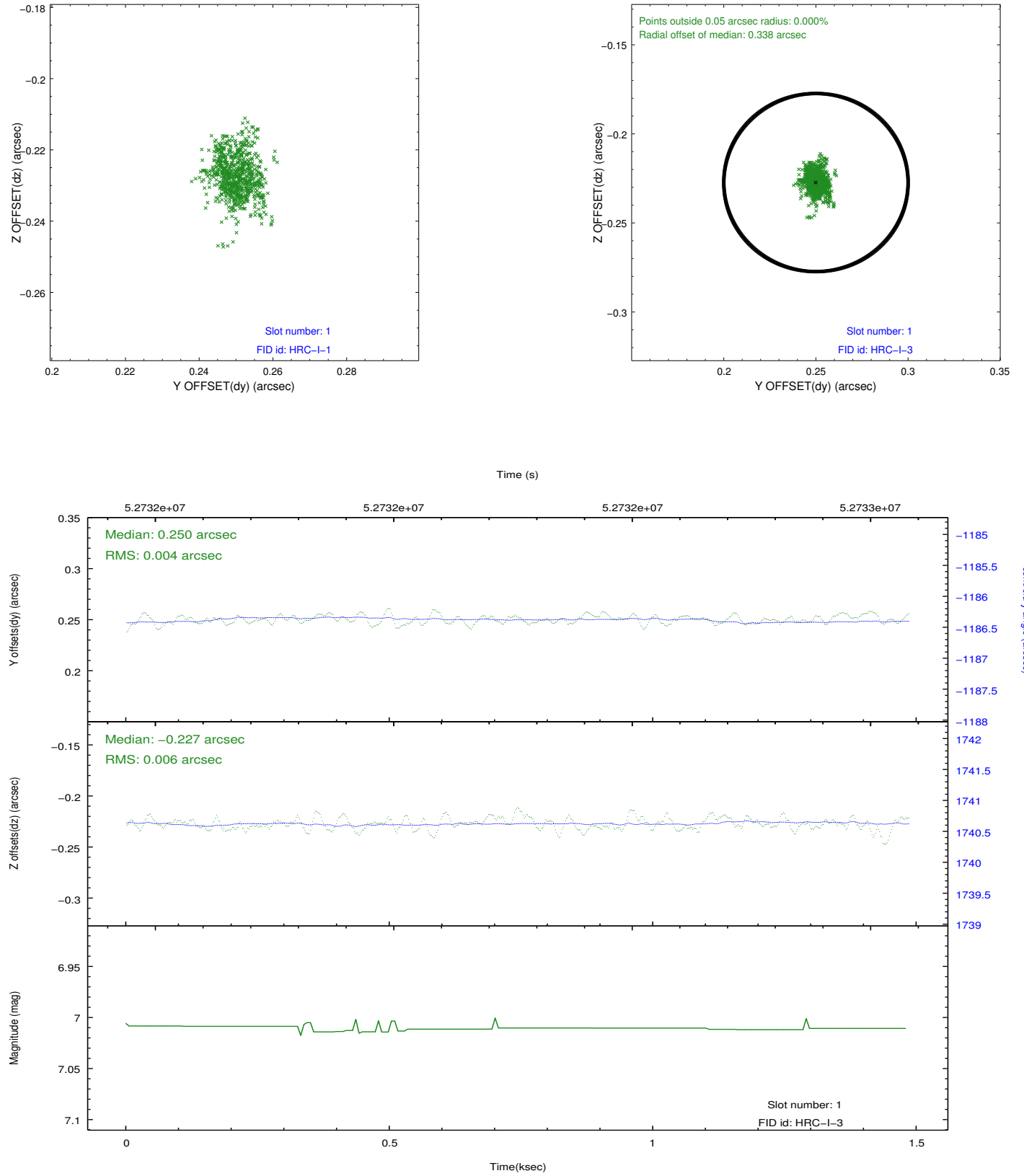


2.5 FID Slots

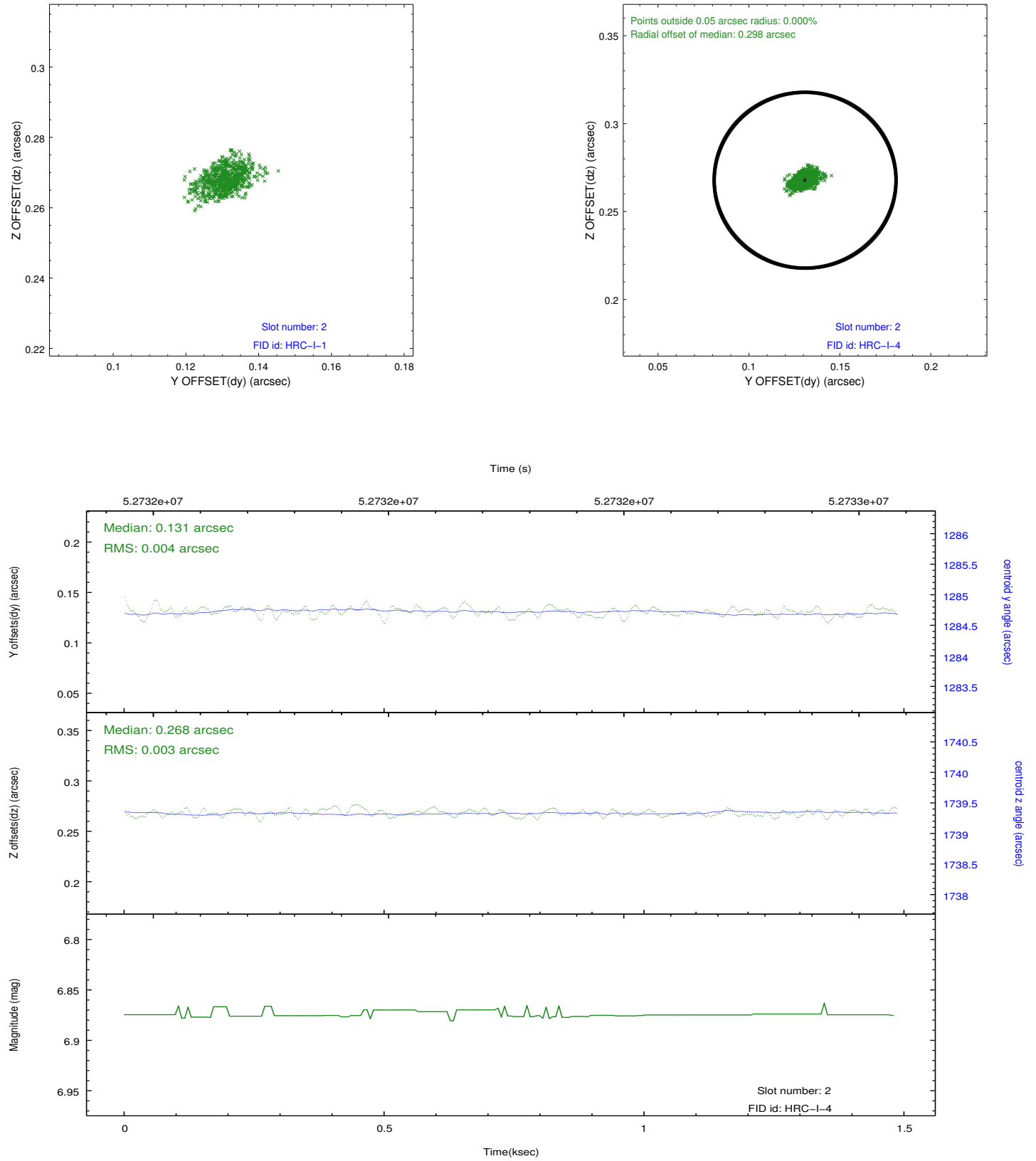
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2010.01.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.796

A.2 Comments

This observation was performed with a large SIM offset, per PI request. As a result, the fid light positions are offset beyond normally expected ranges, but the fid light position correction has compensated for this offset.

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There is a spike in the count rate from about 50 counts per second to about 150 counts per second between 0.4 and 0.5 ksec into the observation.

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Slot 7 was not utilized in this observation.