

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11891 - L2 Version 2
Chandra X-Ray Center

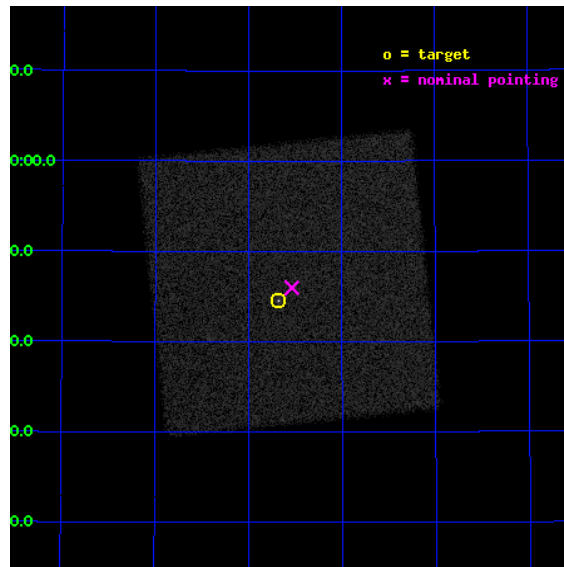
L2 Processing Date : Jul 3 2012

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
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

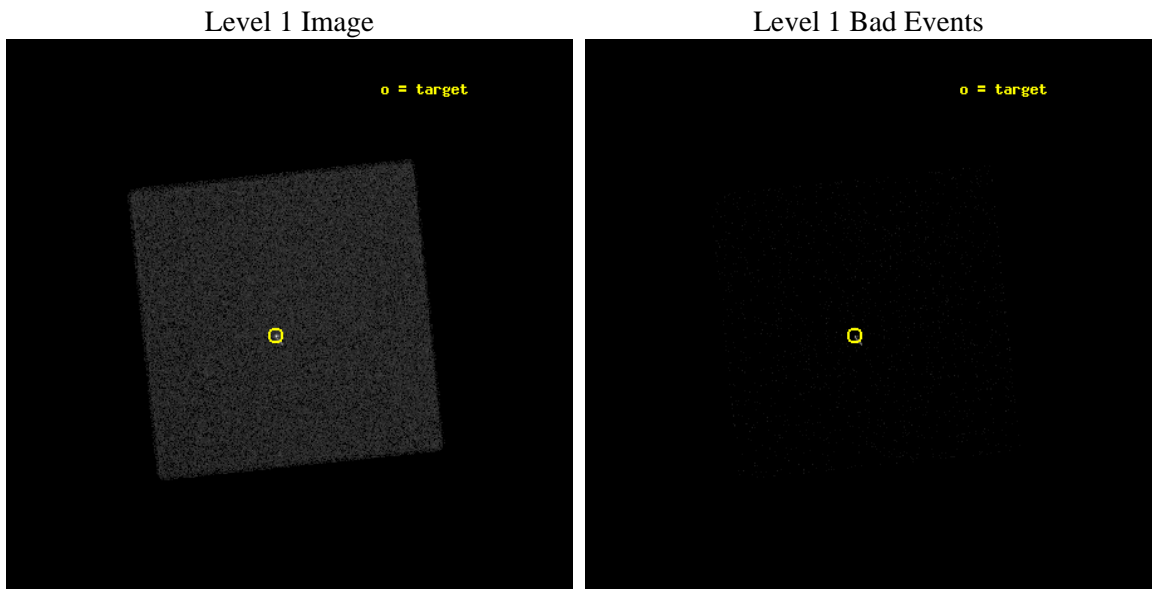
seq_num	290880	Sequence number
obs_id	11891	Observation id
title	AO-11 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.13401030282	Nominal RA [deg]
dec_nom	45.766260441424	Nominal Dec [deg]
roll_nom	218.97633153558	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1188.2313109636	[s]
livetime	1175.2107602383	Ontime multiplied by DTCOR
l2events	91740	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	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1188.2313109636	[s]
caldbver	4.5.0	 	l1events	161759	Number of level 1 events
date	2012-07-03T23:51:31	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

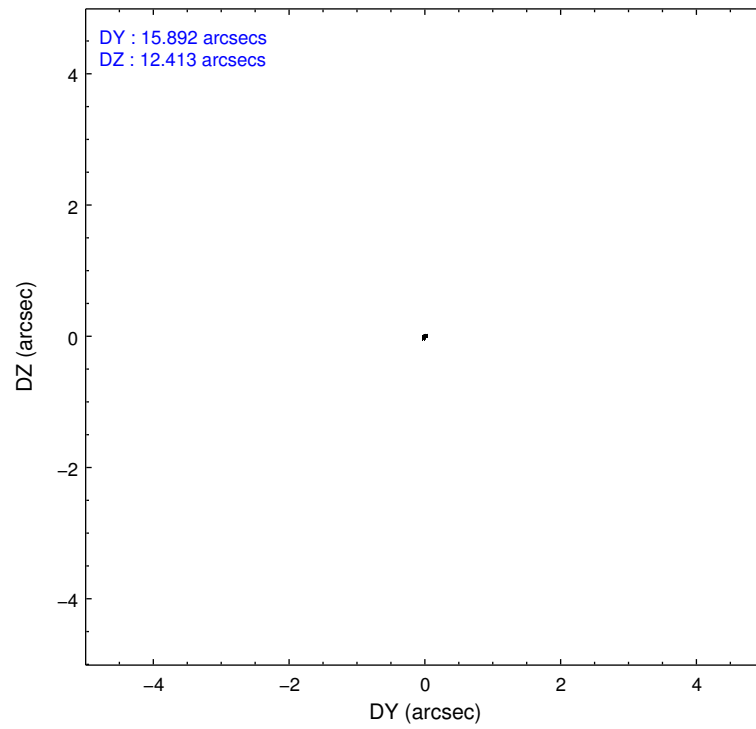
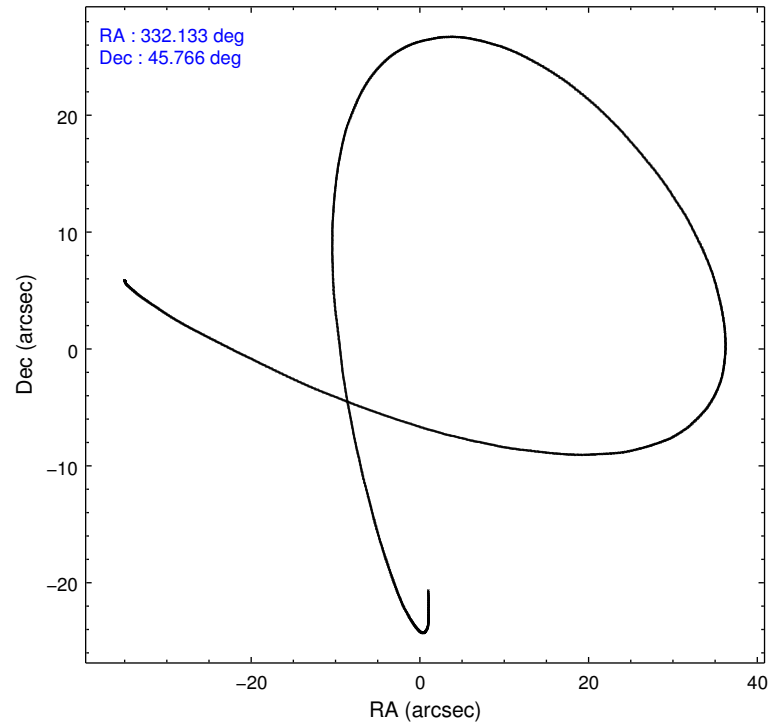
Level 1 Events

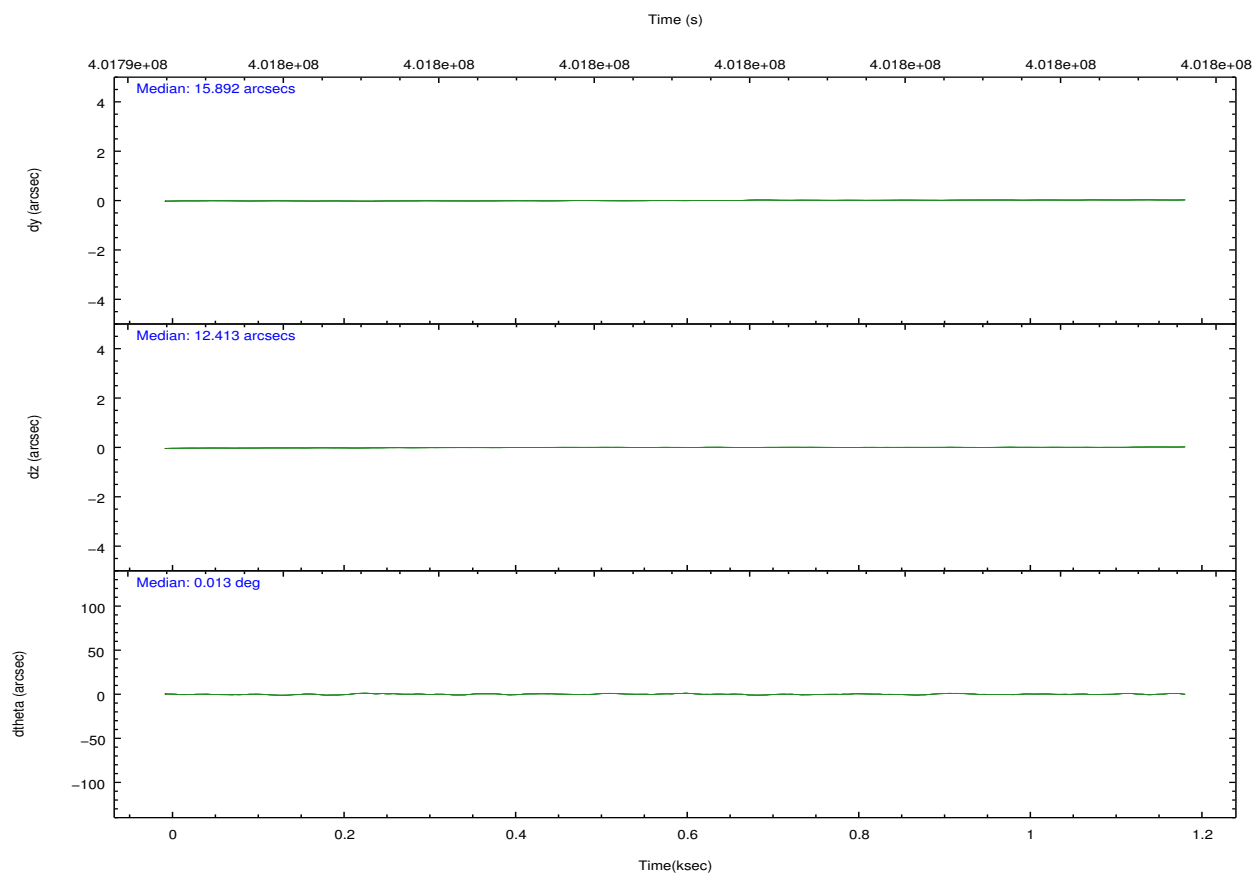
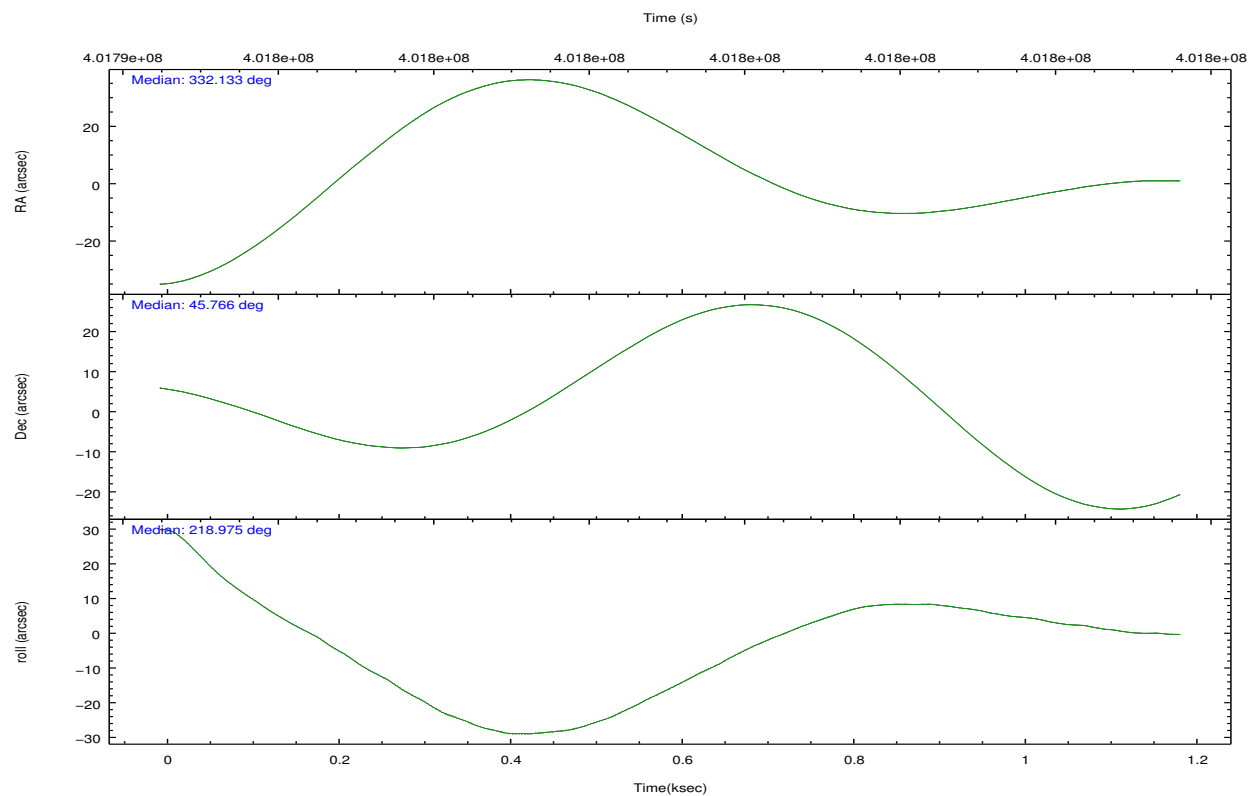
	segment 0
level 1 events	161759
rejected events	34818
rejected %	21%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
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			
[deg] Pointing RA	332.147267	332.1340103028223			
[deg] Pointing Dec	45.792532	45.76626044142432			
[deg] Pointing Roll	219.062294	218.976331535582			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	401795093.184000	401794717.28827			
Observation start date	2010-09-25T09:43:47	2010-09-25T09:38:37			
[s] Observation end time (MET)	401796093.184000	401796227.11335			
Observation end date	2010-09-25T10:00:27	2010-09-25T10:03:47			

2.3 Aspect



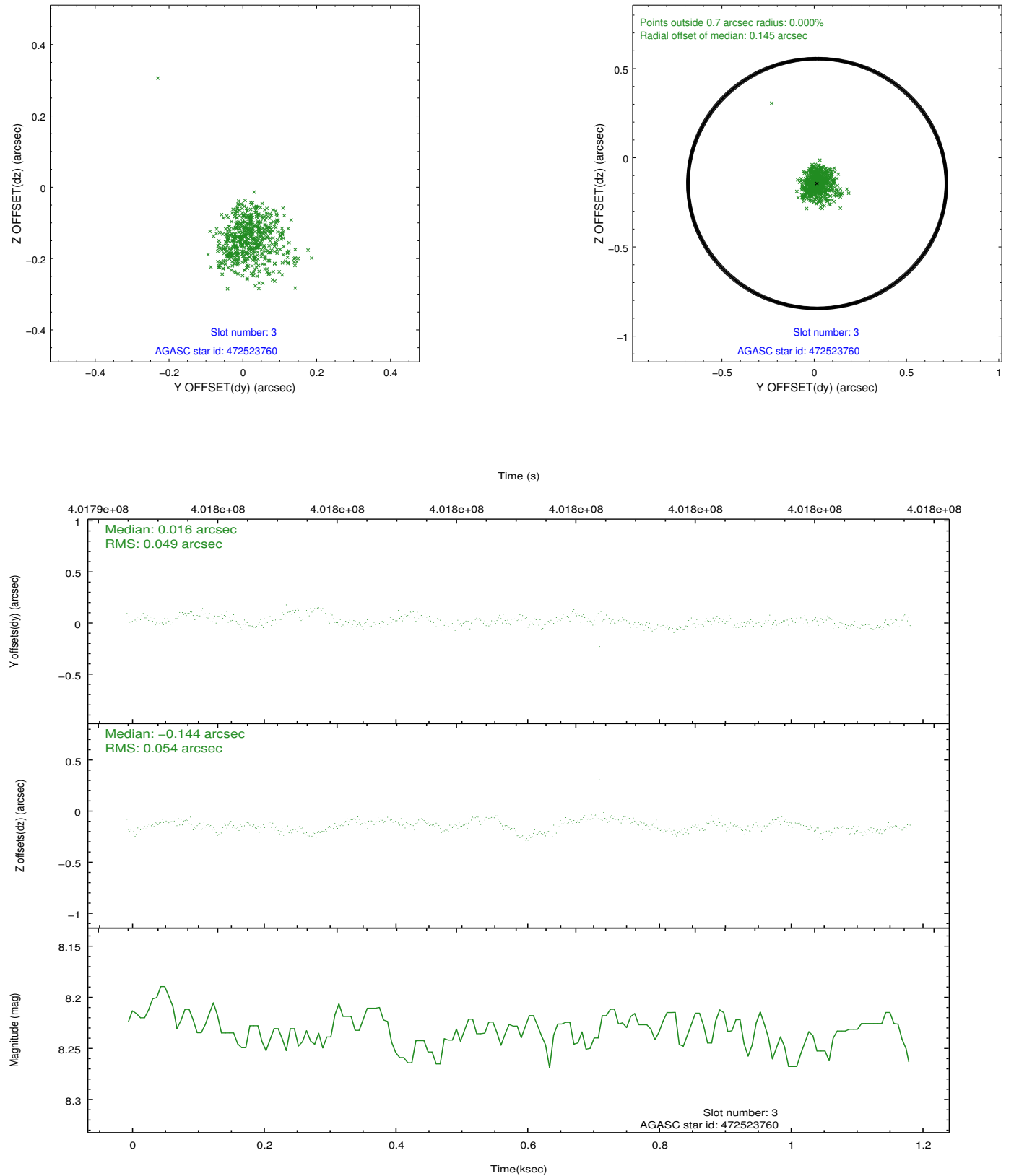


Slot Statistics

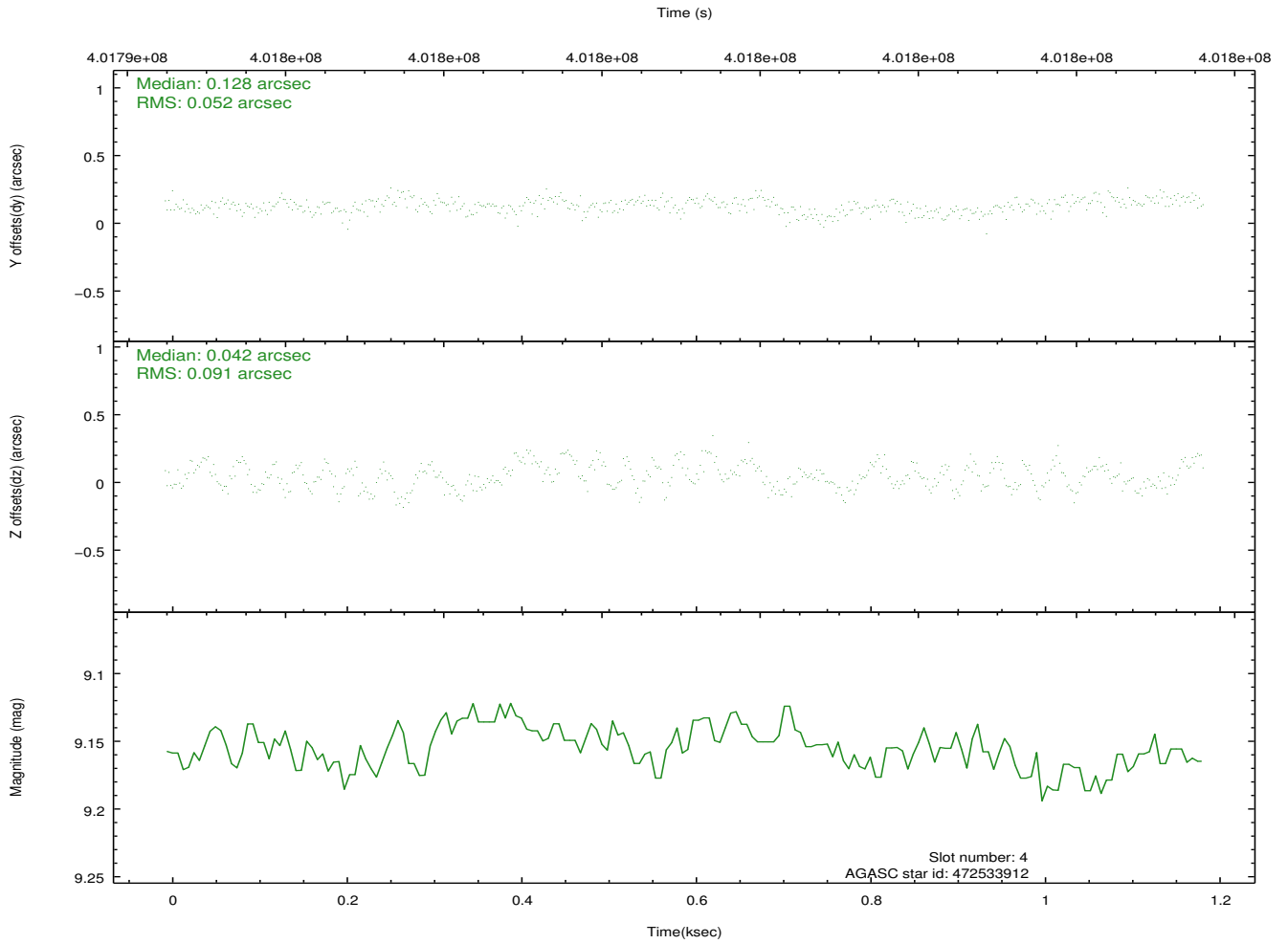
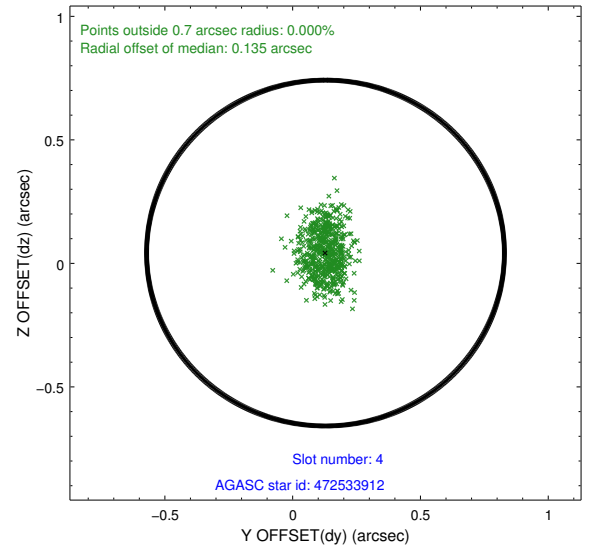
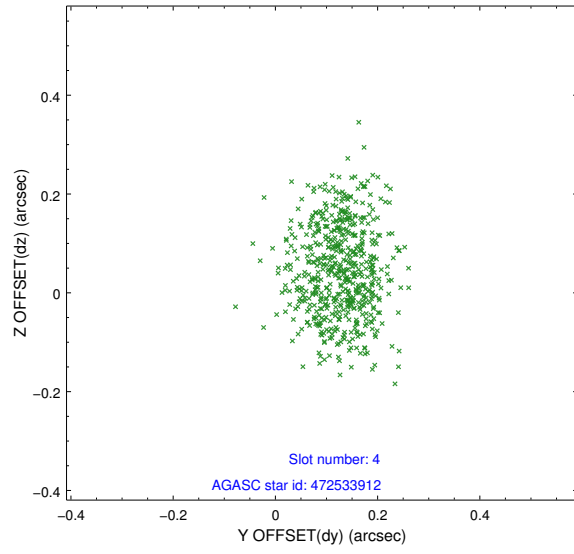
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	291	-0.105	-0.017	0.005	0.009	0.000000	0.000000	-771.94	-1300.37
1	FID	HRC-I-2	6.99	291	0.187	-0.087	0.007	0.013	0.000000	0.000000	838.33	-1306.61
2	FID	HRC-I-4	6.97	291	0.033	0.010	0.005	0.010	0.000000	0.000000	1274.06	997.17
3	GUIDE	472523760	8.23	581	0.016	-0.144	0.075	0.117	331.645363	45.403260	1864.43	284.12
4	GUIDE	472533912	9.15	581	0.128	0.042	0.114	0.180	331.791136	46.368695	-619.33	-2170.46
5	GUIDE	472655152	9.42	581	0.038	-0.118	0.123	0.205	332.504239	45.862991	-858.33	360.26
6	GUIDE	472665256	9.03	581	0.170	0.176	0.083	0.139	332.808125	46.195041	-2198.75	-93.38
7	GUIDE	472525528	6.65	580	-0.359	0.037	0.080	0.127	331.551102	45.248694	2397.96	562.28

2.4 Star Slots

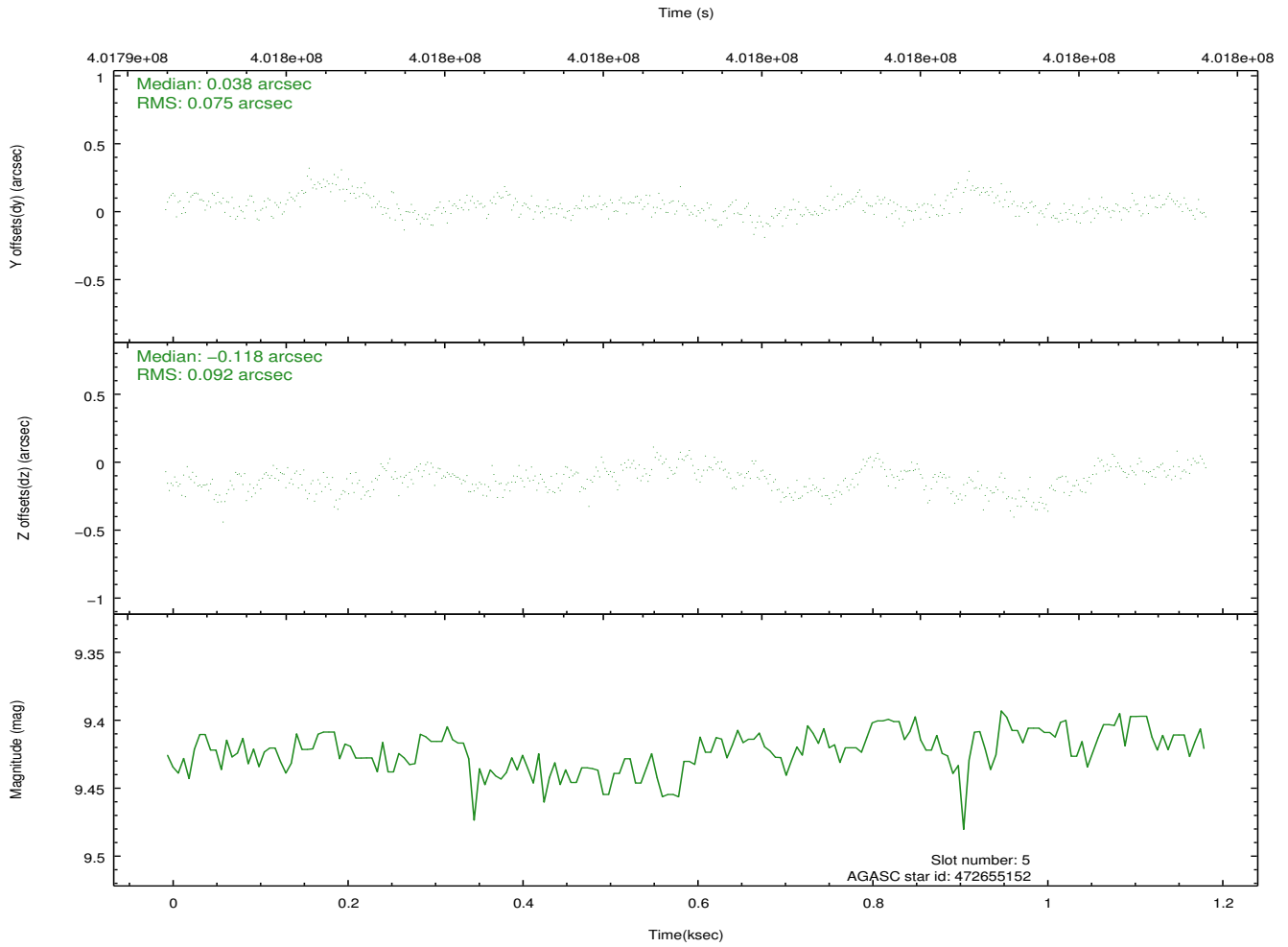
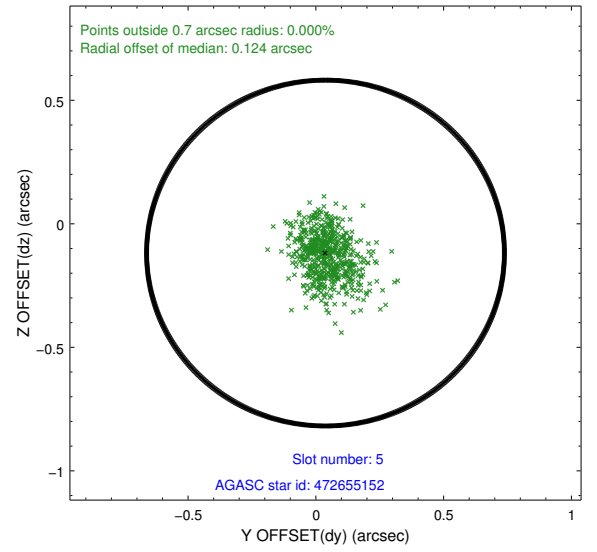
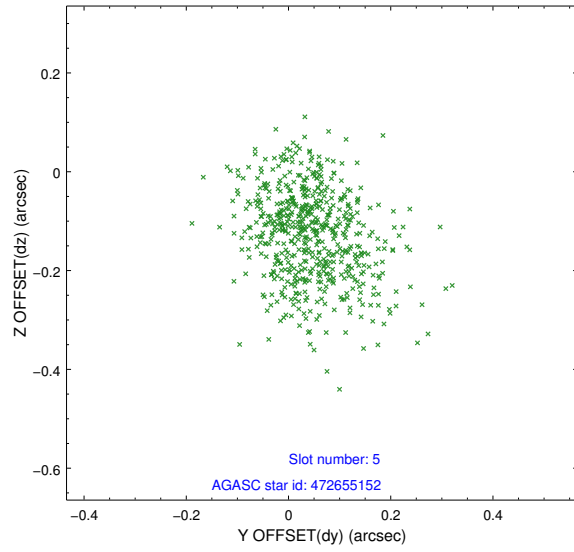
2.4.1 Slot 3



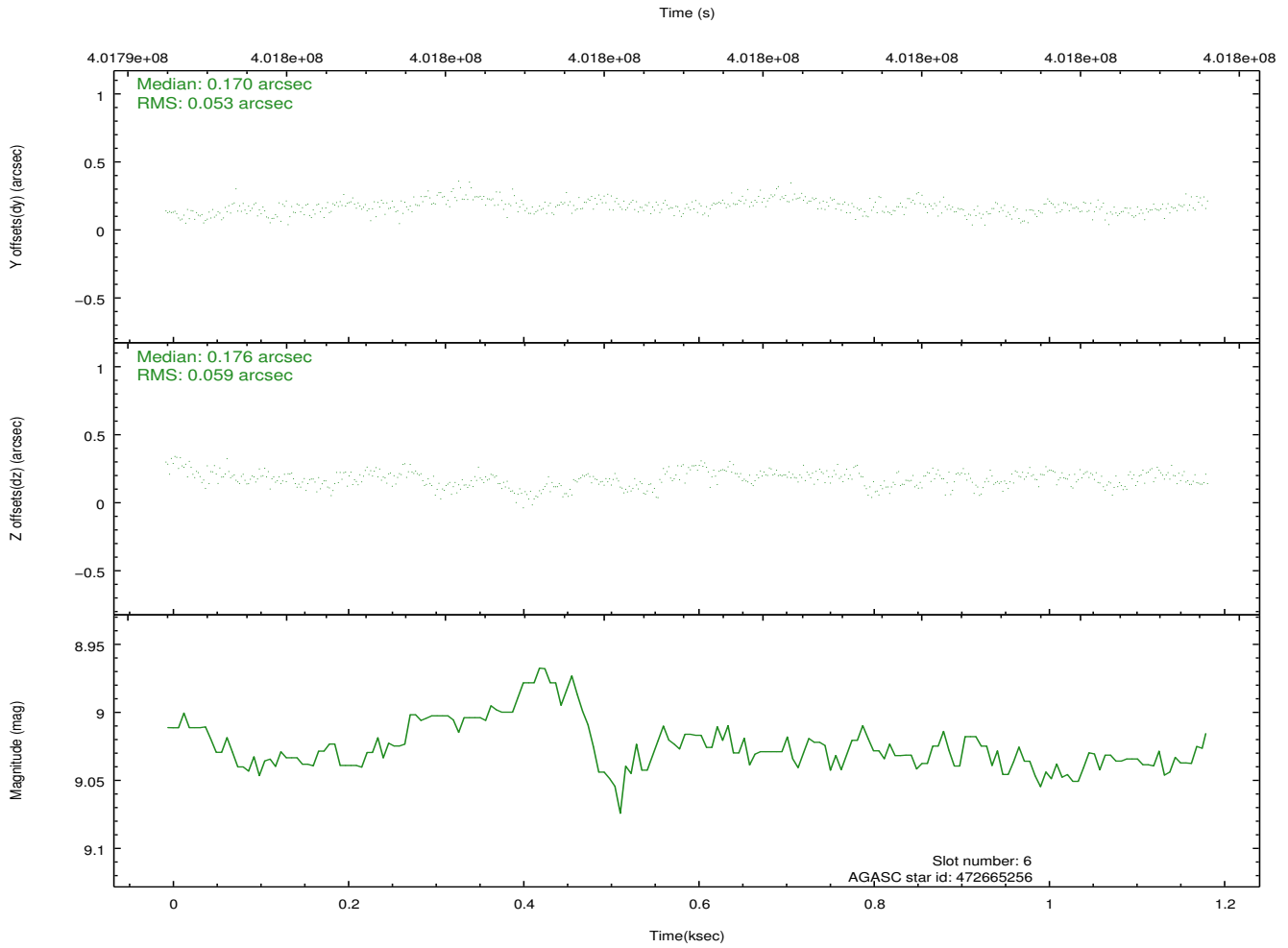
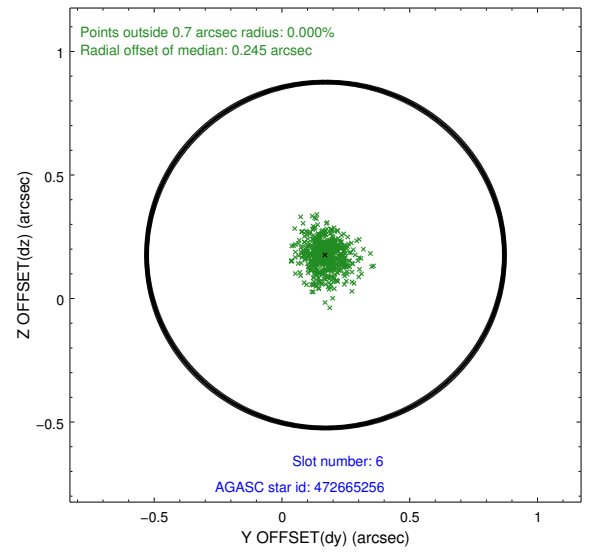
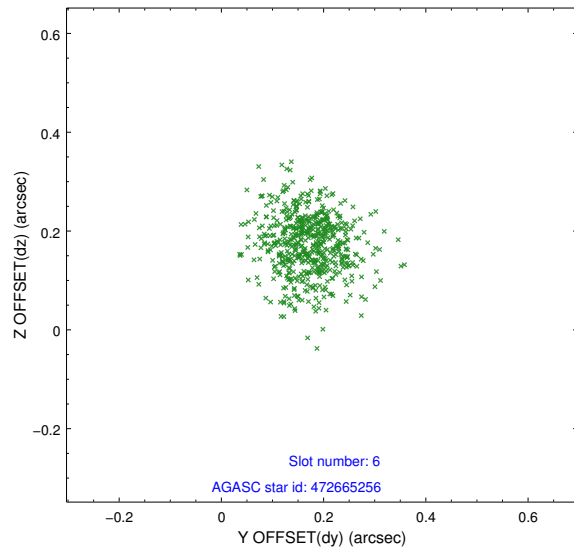
2.4.2 Slot 4



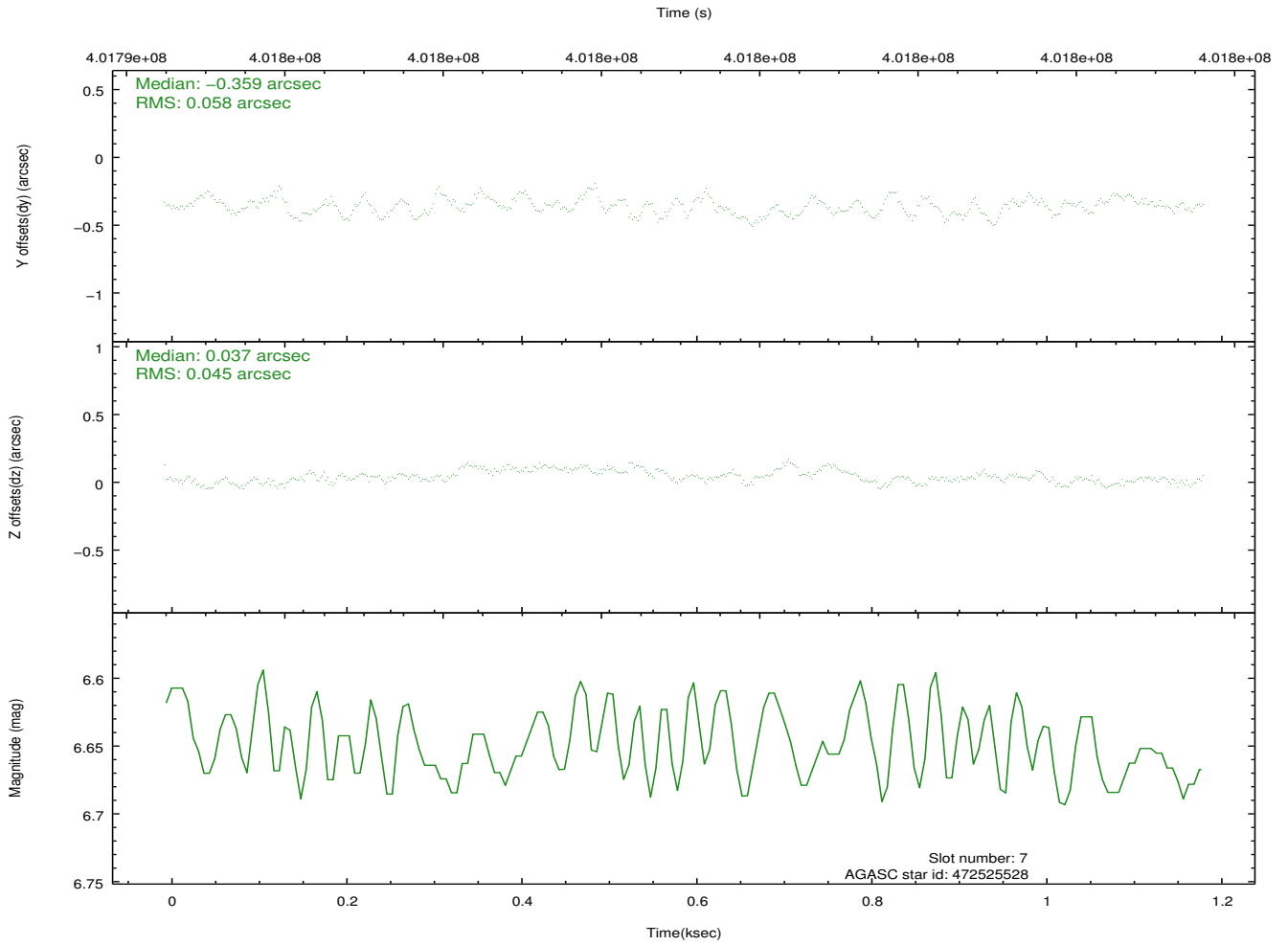
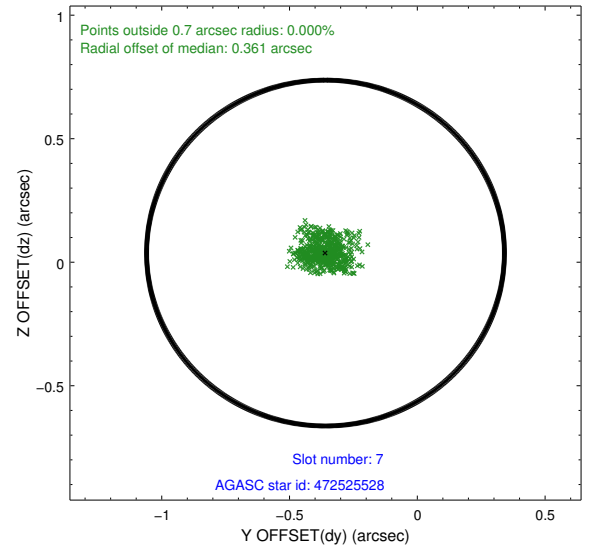
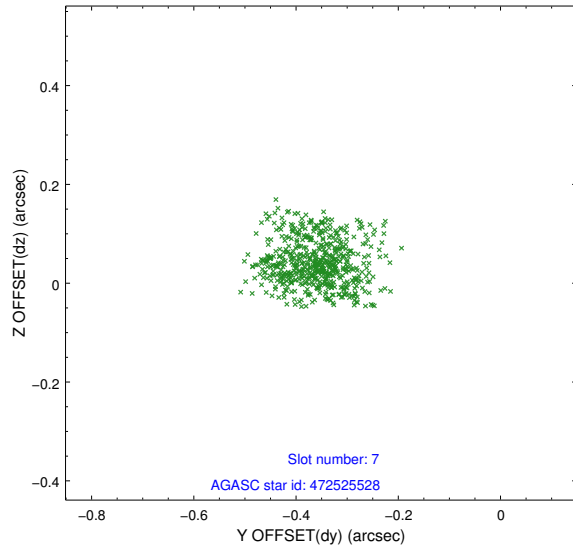
2.4.3 Slot 5



2.4.4 Slot 6

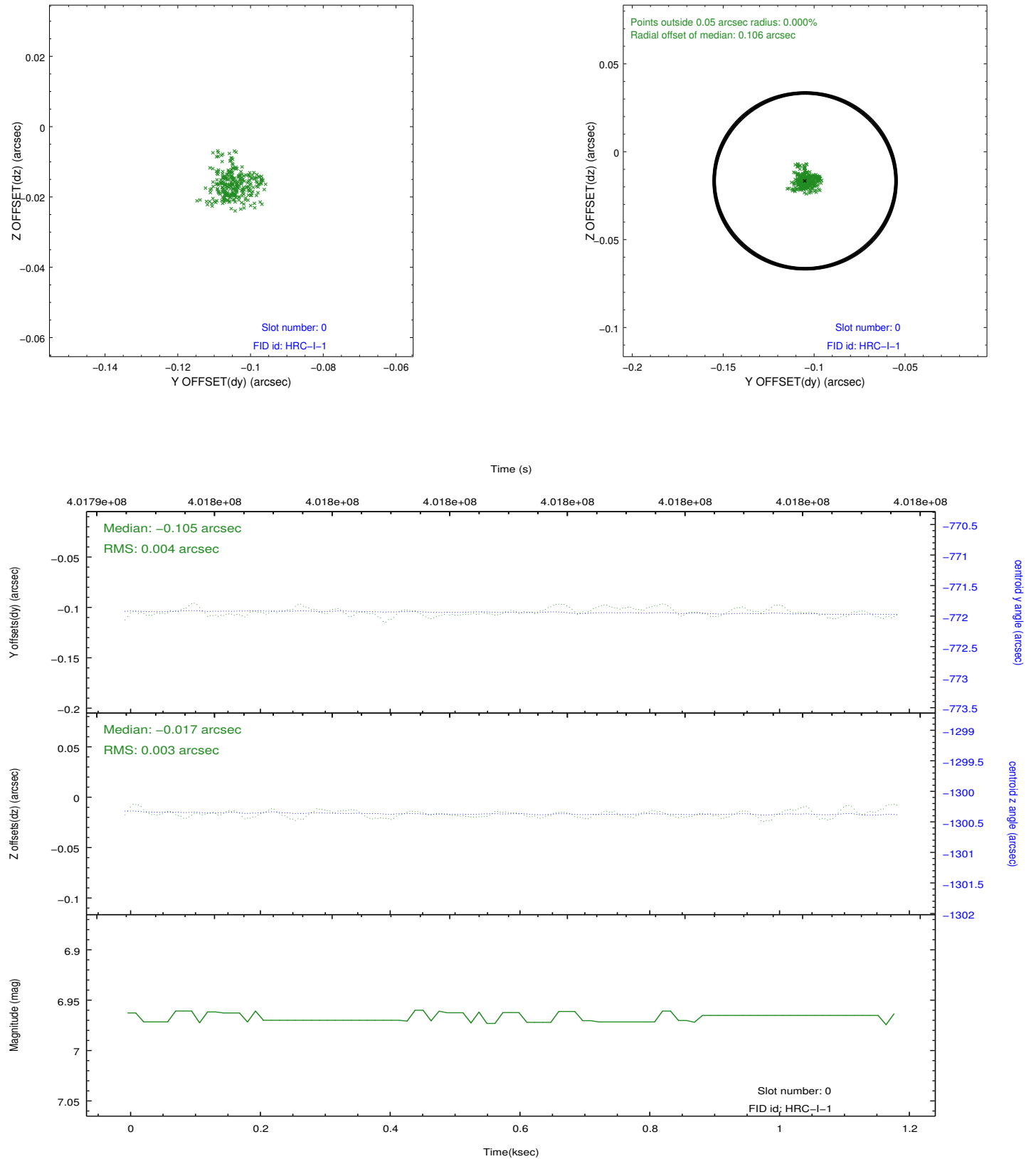


2.4.5 Slot 7

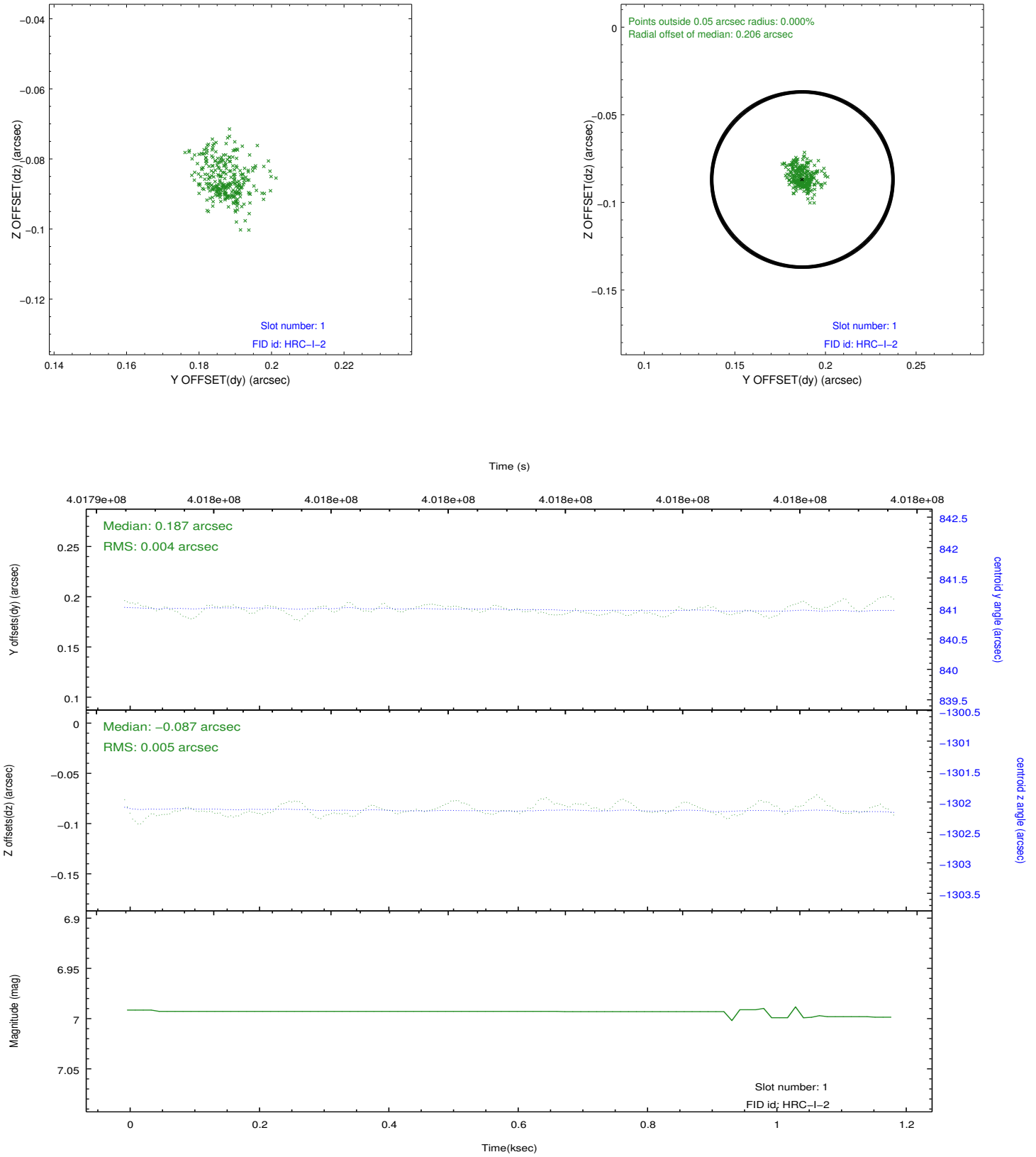


2.5 FID Slots

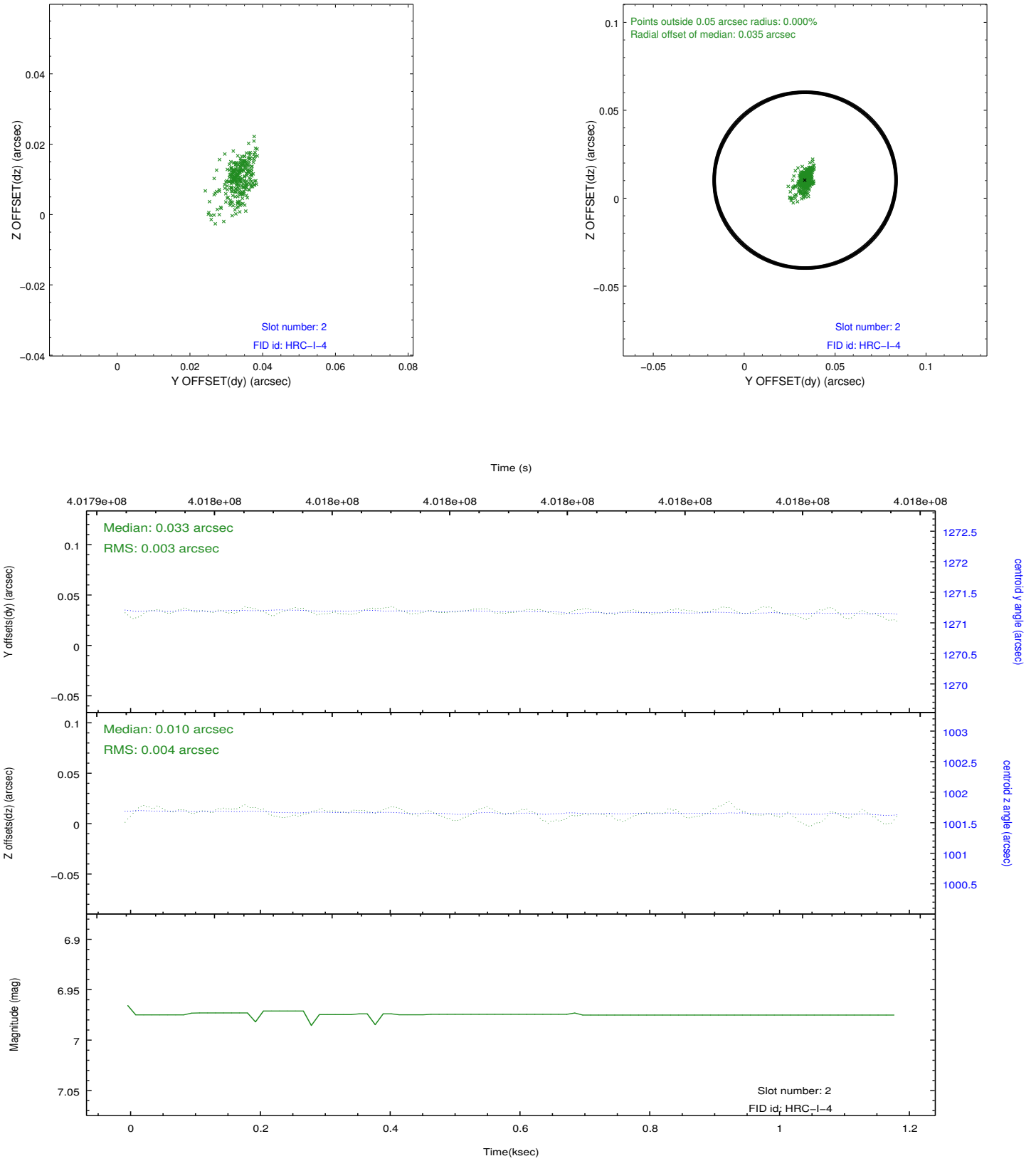
2.5.1 Slot 0



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)	2012.07.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1882313109636

A.2 Comments