

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13051 - L2 Version 3
Chandra X-Ray Center

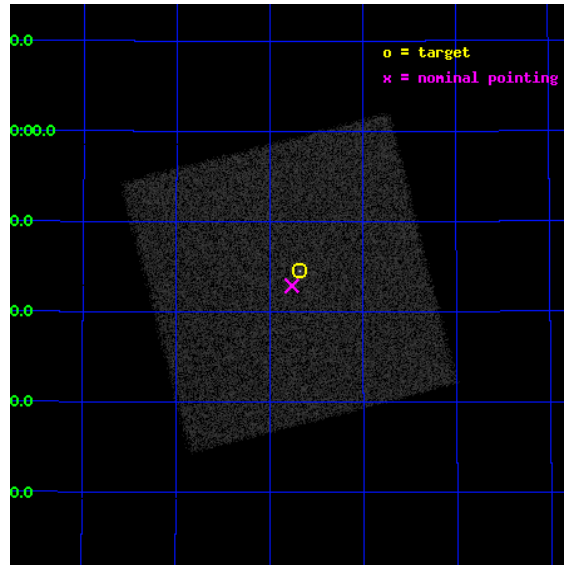
L2 Processing Date : Jul 27 2012

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

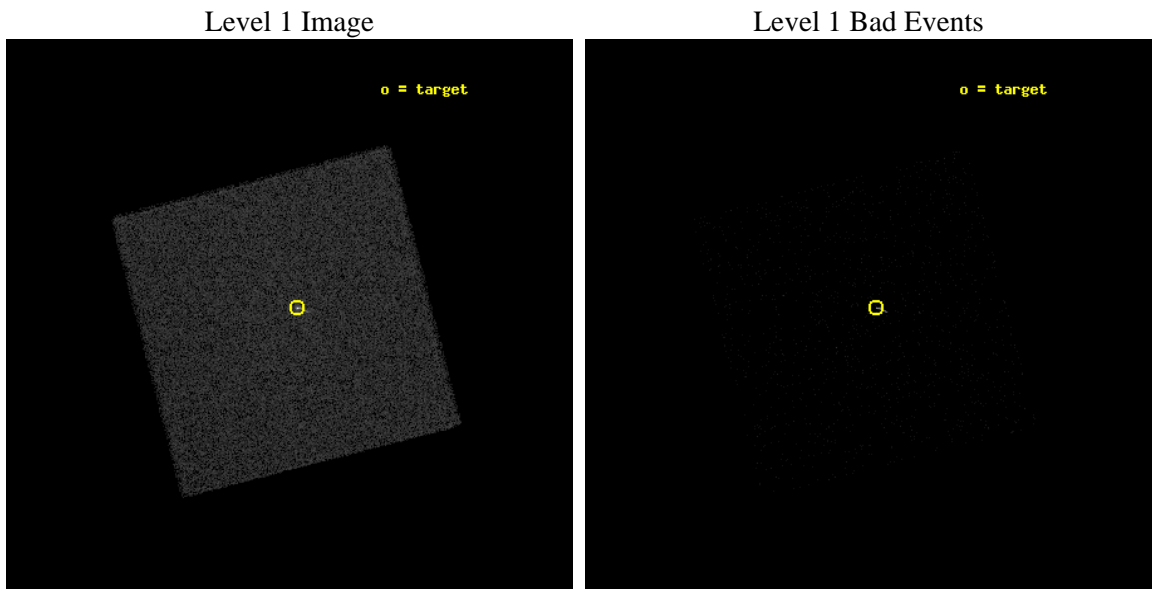
seq_num	290970	Sequence number
obs_id	13051	Observation id
title	AO-12 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.19054135495	Nominal RA [deg]
dec_nom	45.715112363286	Nominal Dec [deg]
roll_nom	210.60035152814	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1173.8813114762	[s]
livetime	1162.7508462091	Ontime multiplied by DTCOR
l2events	81263	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	1173.8813114762	[s]
caldbver	4.5.1	 	l1events	142989	Number of level 1 events
date	2012-07-28T01:33:32	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

Level 1 Events

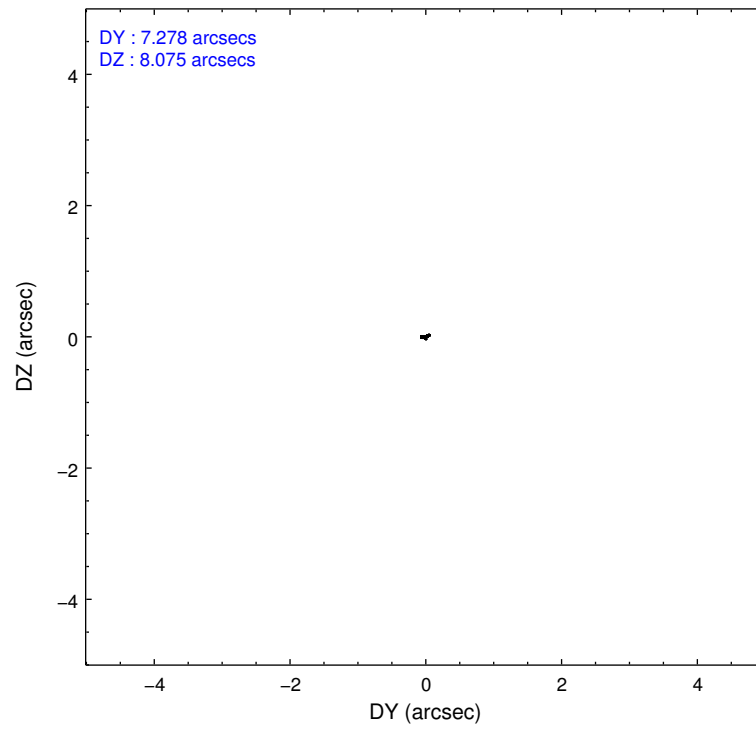
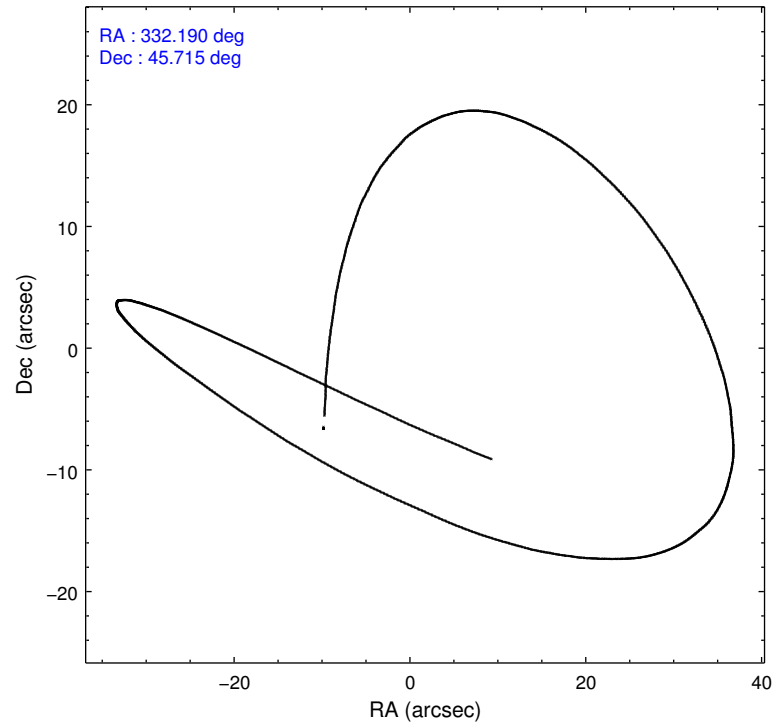
	segment 0
level 1 events	142989
rejected events	31669
rejected %	22%

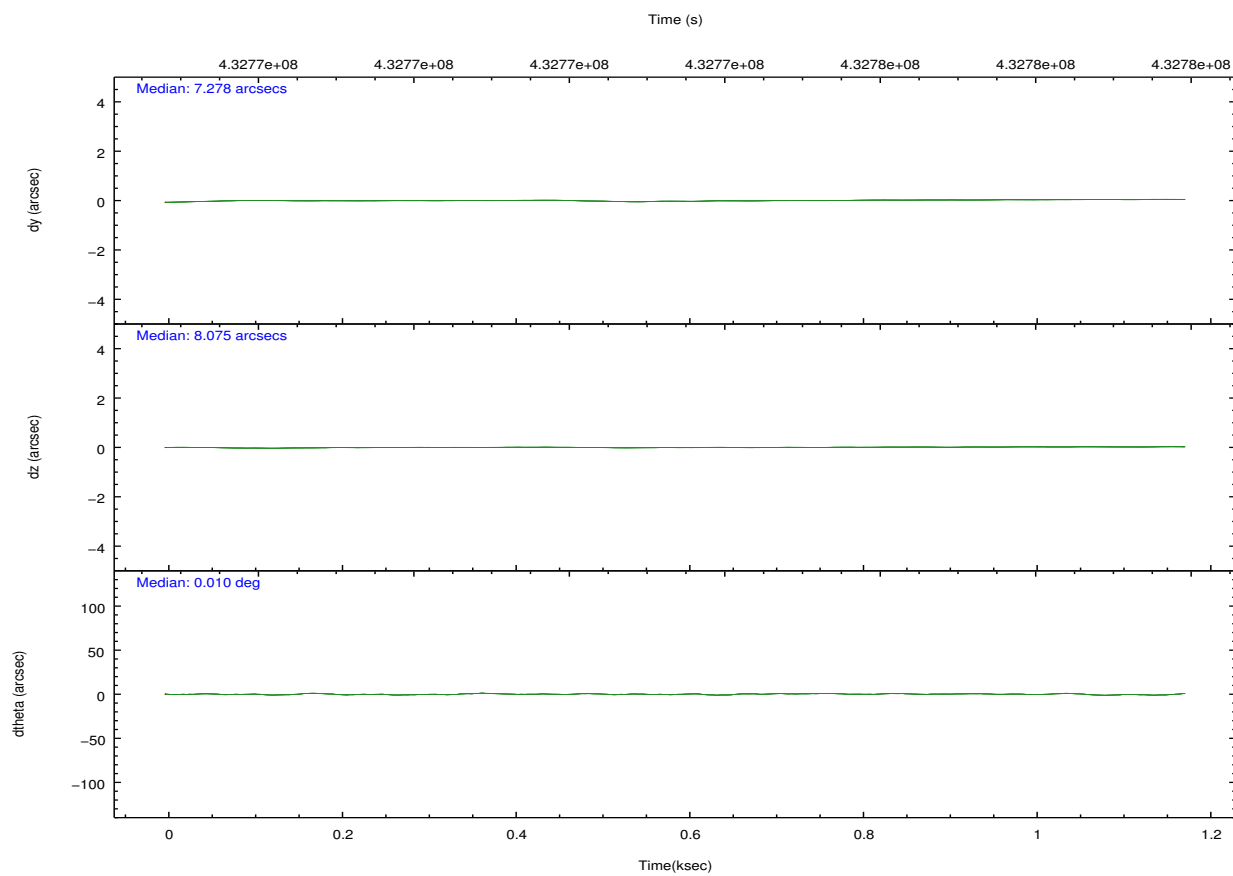
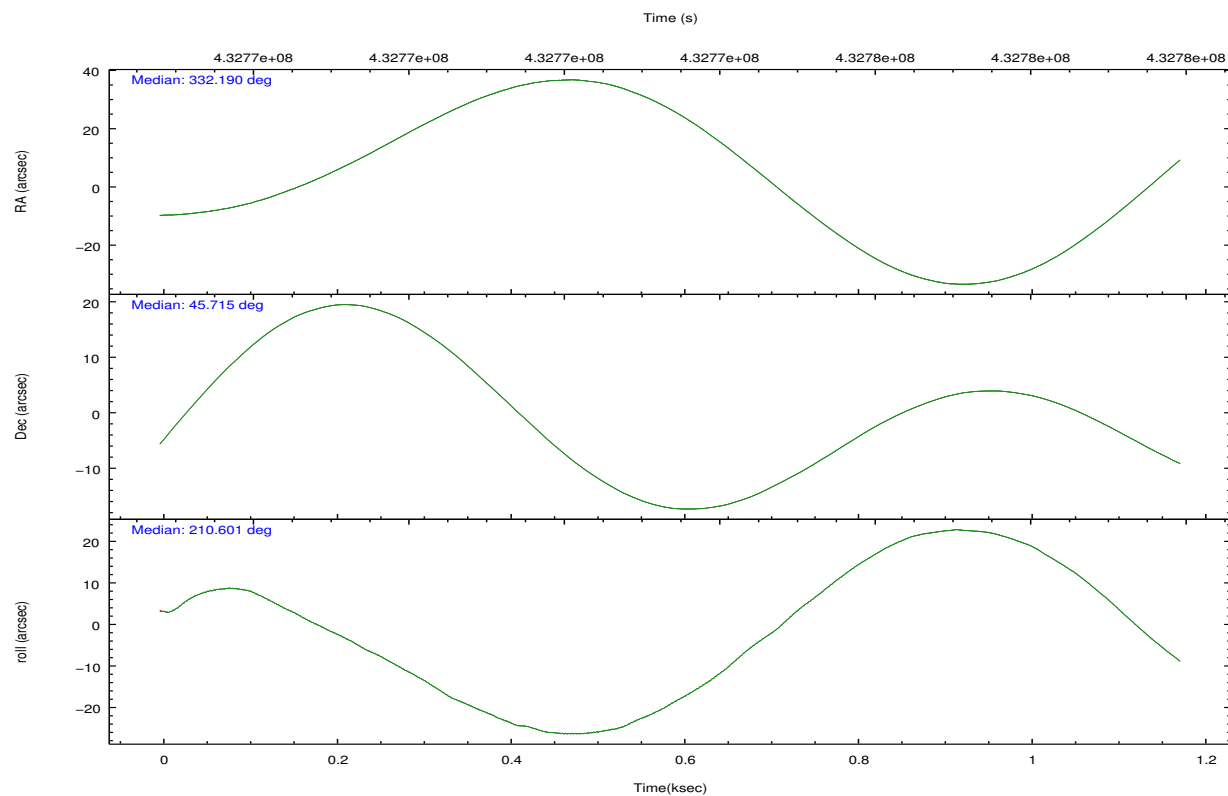
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.209819	332.1905413549524
[deg] Pointing Dec	45.738251	45.71511236328557
[deg] Pointing Roll	210.682047	210.600351528144
[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)	432774315.184000	432773939.2729
Observation start date	2011-09-18T23:04:09	2011-09-18T22:58:59
[s] Observation end time (MET)	432775315.184000	432775449.61048
Observation end date	2011-09-18T23:20:49	2011-09-18T23:24:09

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



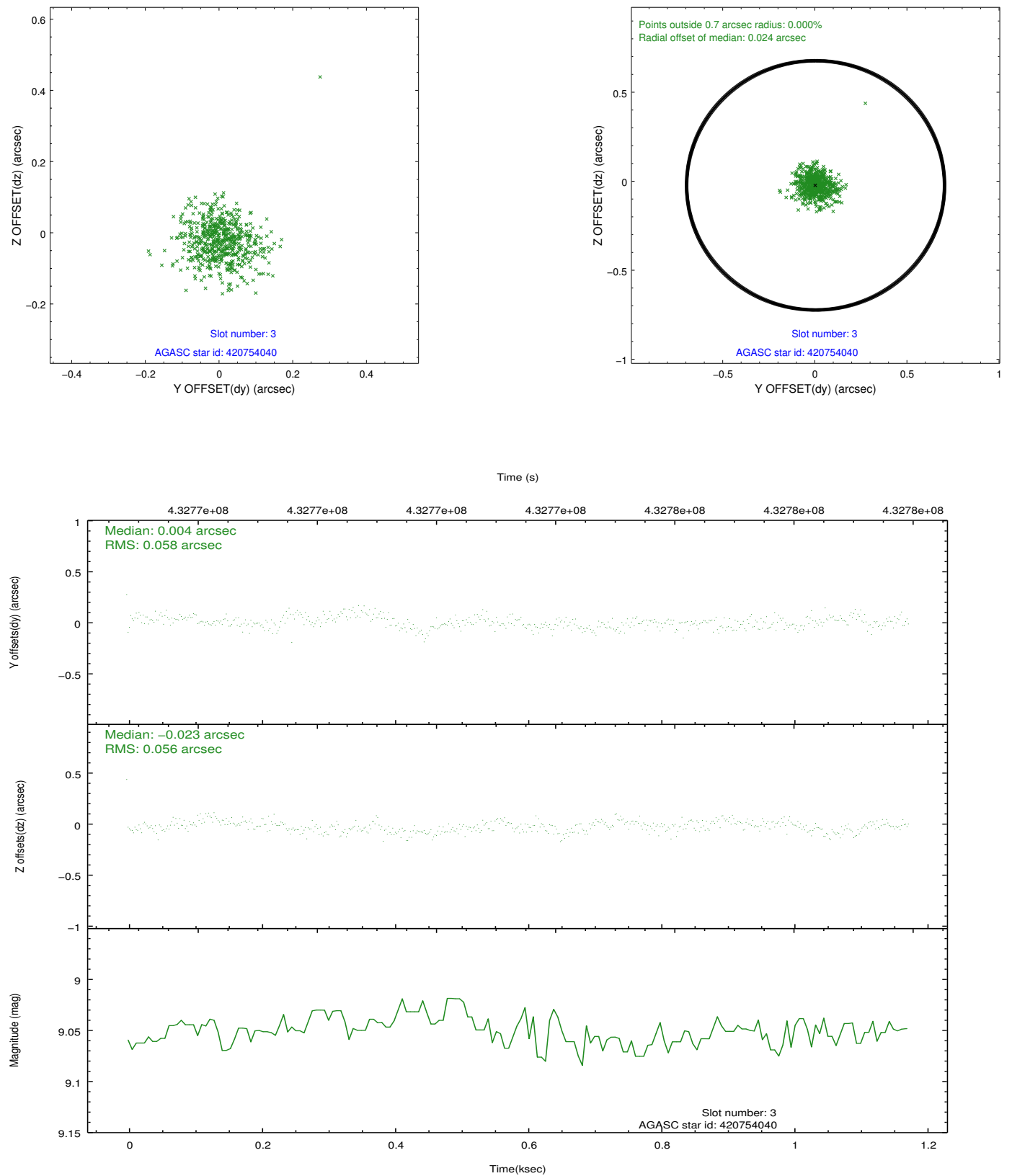


Slot Statistics

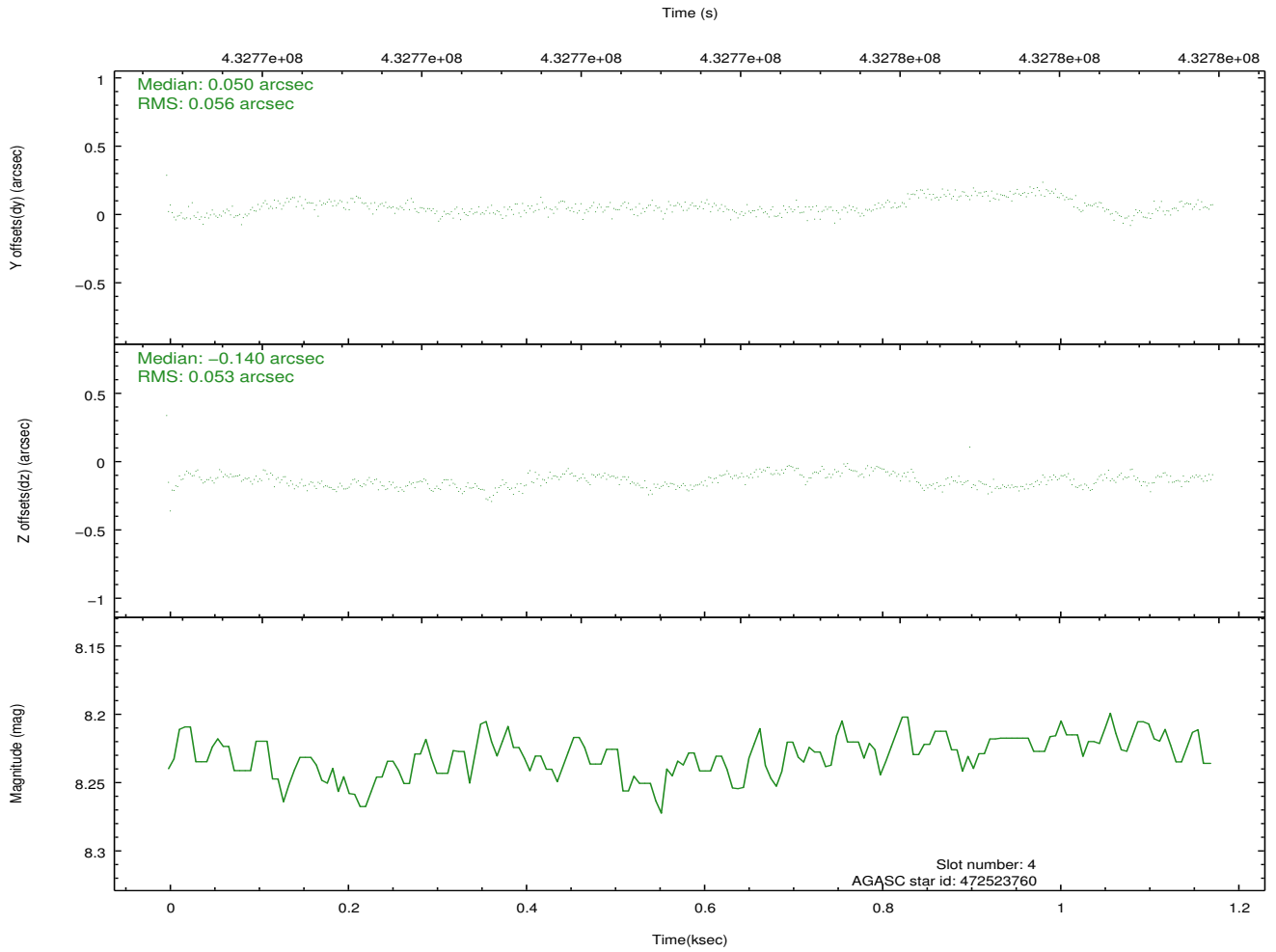
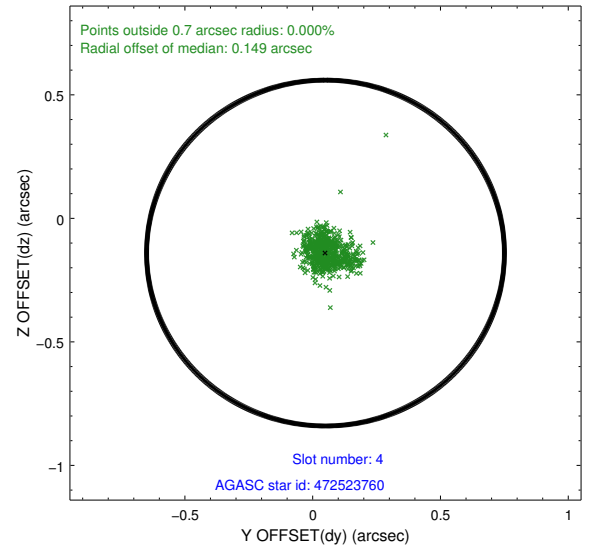
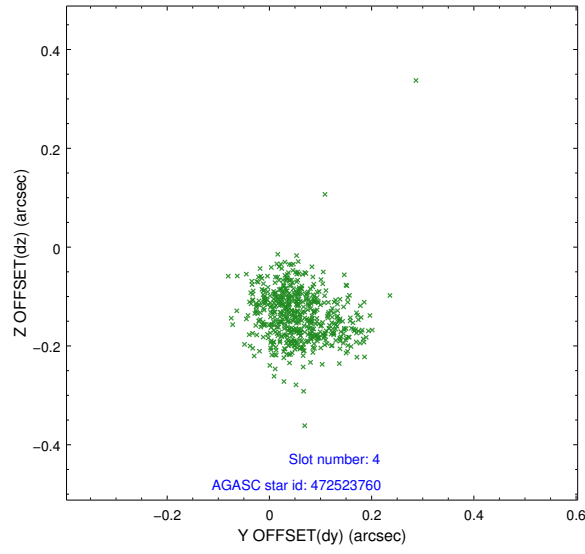
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	287	-0.024	0.037	0.006	0.010	0.000000	0.000000	-762.93	-1295.90
1	FID	HRC-I-2	6.98	287	0.208	-0.163	0.006	0.009	0.000000	0.000000	847.27	-1302.22
2	FID	HRC-I-3	7.04	287	-0.065	0.036	0.005	0.010	0.000000	0.000000	-1188.45	1004.14
3	GUIDE	420754040	9.05	574	0.004	-0.023	0.083	0.139	331.917939	44.882543	2210.12	2272.63
4	GUIDE	472523760	8.23	574	0.050	-0.140	0.078	0.128	331.645363	45.403260	1843.68	312.68
5	GUIDE	472665256	9.01	574	0.181	0.075	0.076	0.132	332.808125	46.195041	-2120.99	-653.59
6	GUIDE	472525528	6.62	574	-0.362	0.025	0.071	0.123	331.551102	45.248694	2327.41	660.84
7	GUIDE	472663080	9.41	573	0.139	0.064	0.110	0.194	332.652741	46.473840	-2293.29	-1714.45

2.4 Star Slots

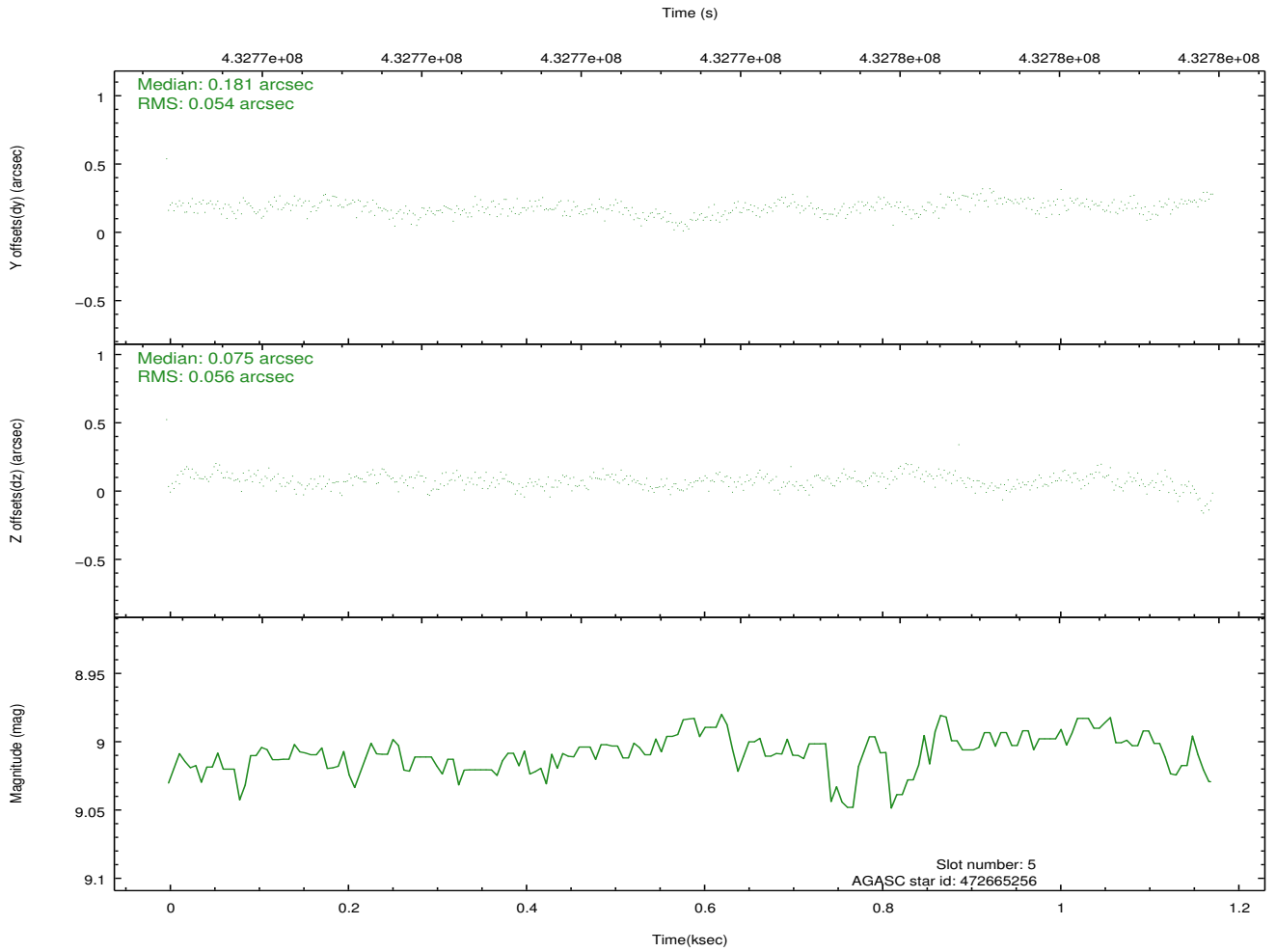
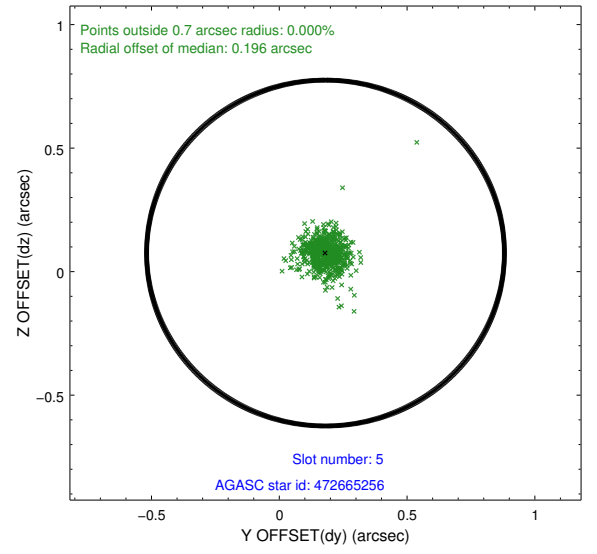
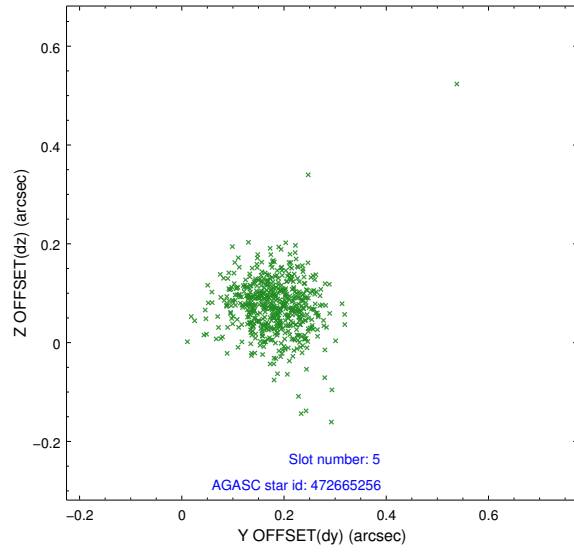
2.4.1 Slot 3



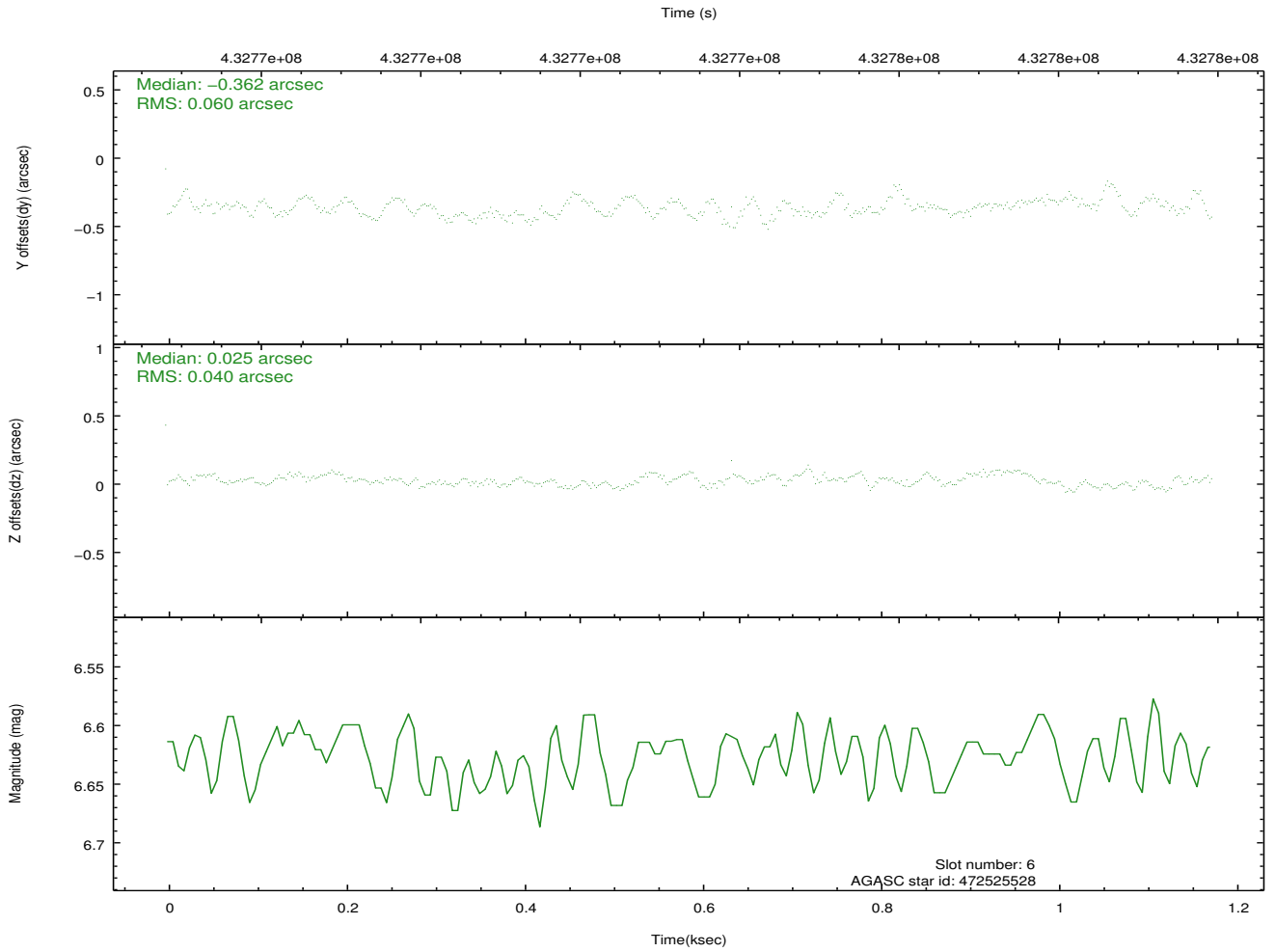
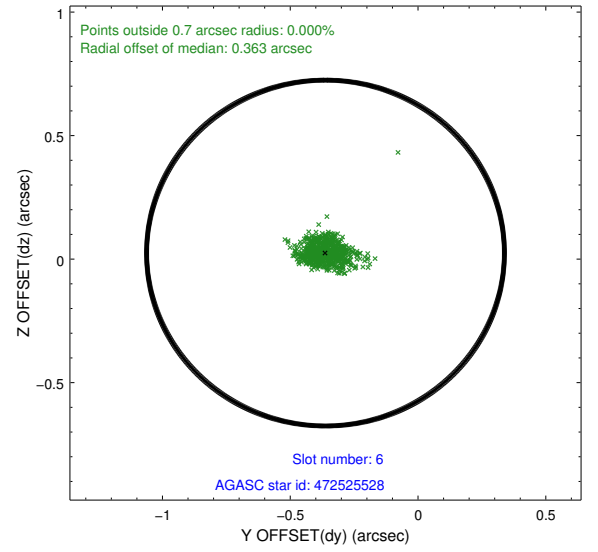
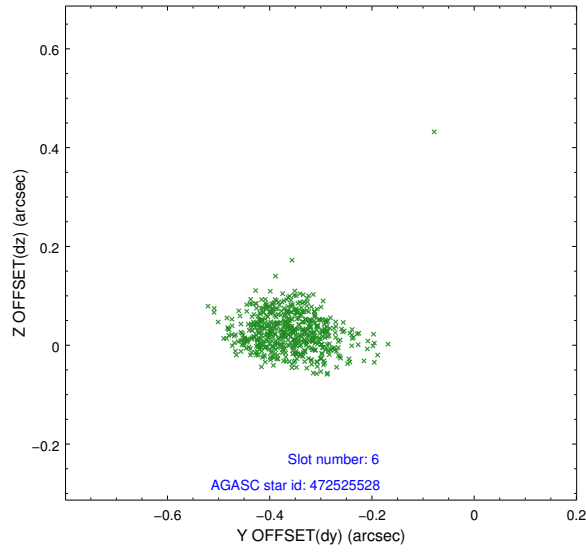
2.4.2 Slot 4



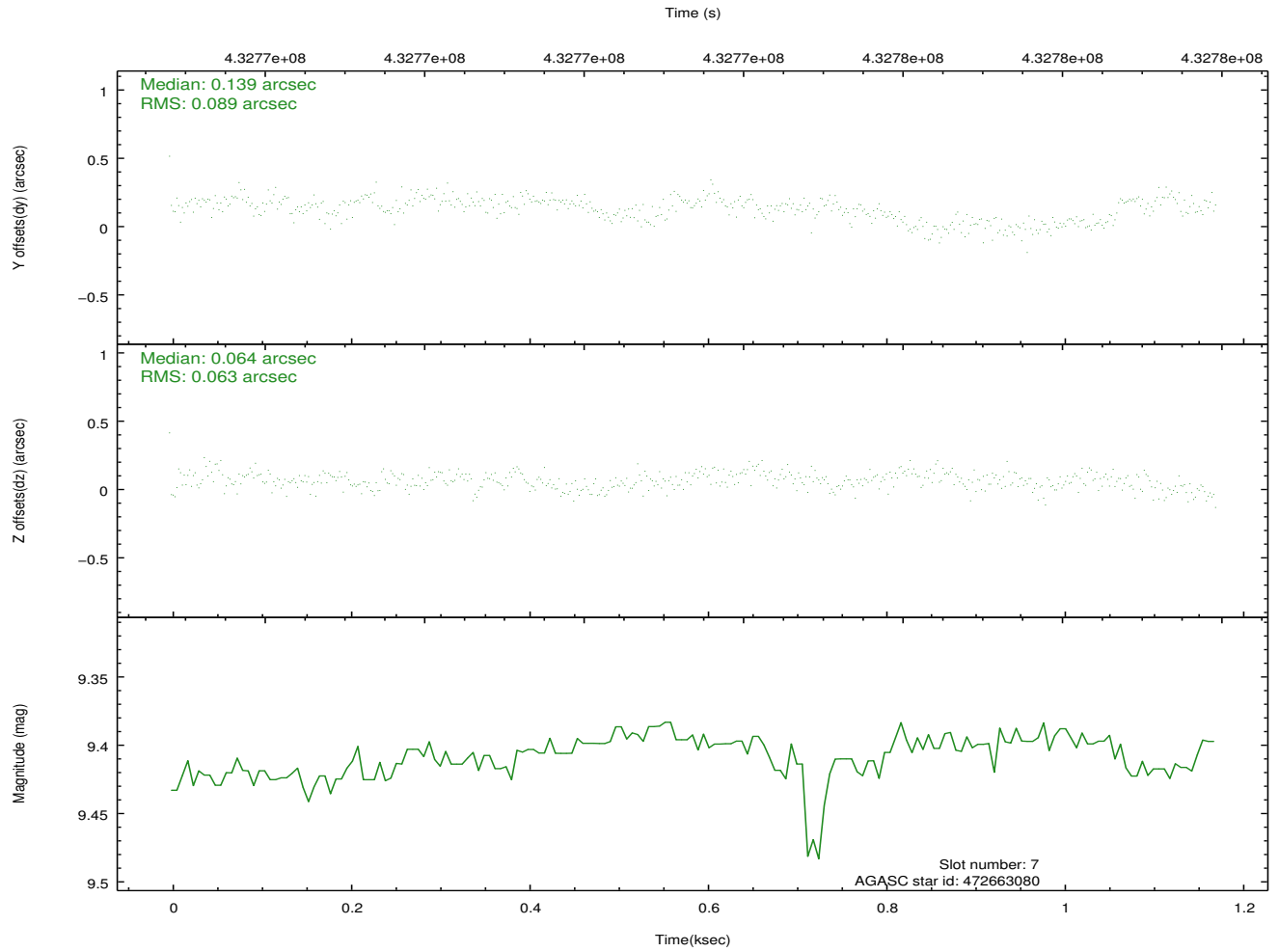
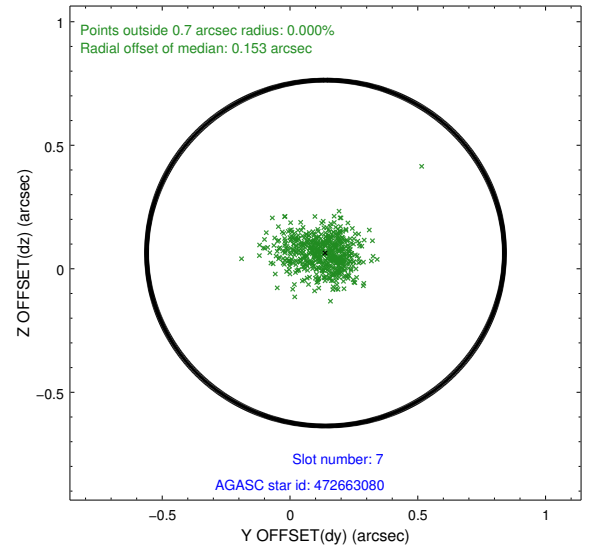
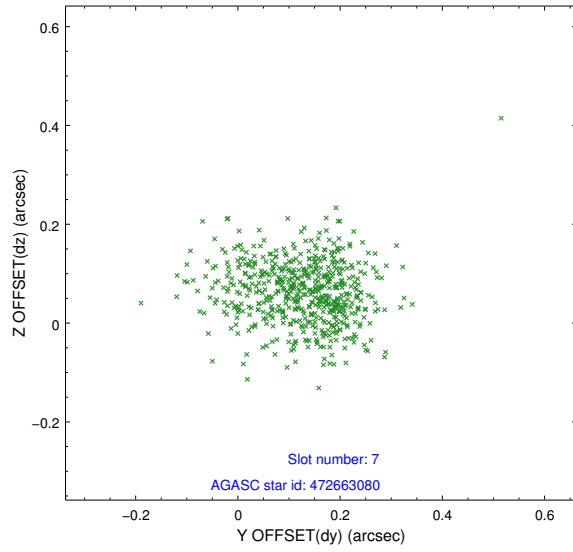
2.4.3 Slot 5



2.4.4 Slot 6

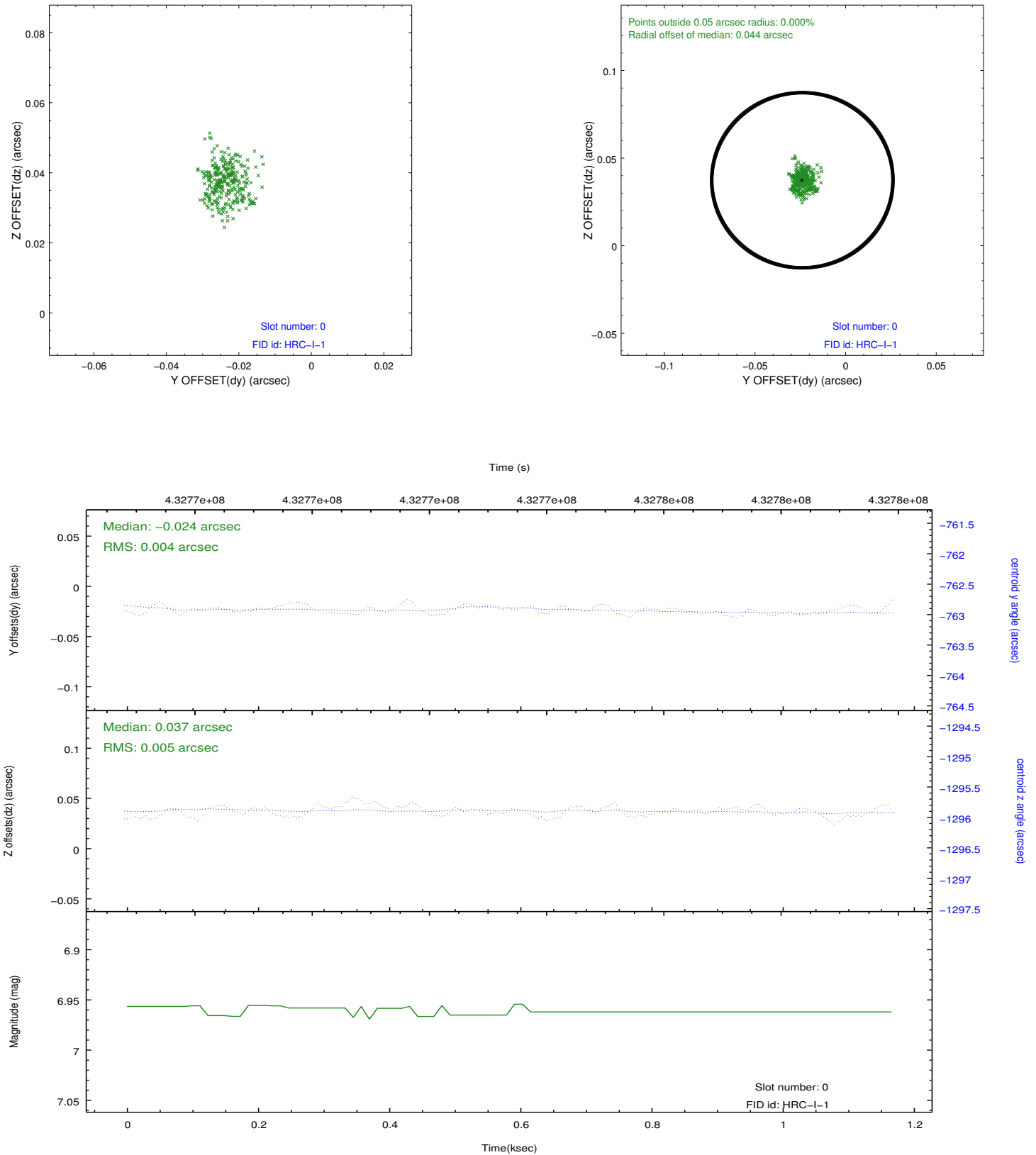


2.4.5 Slot 7

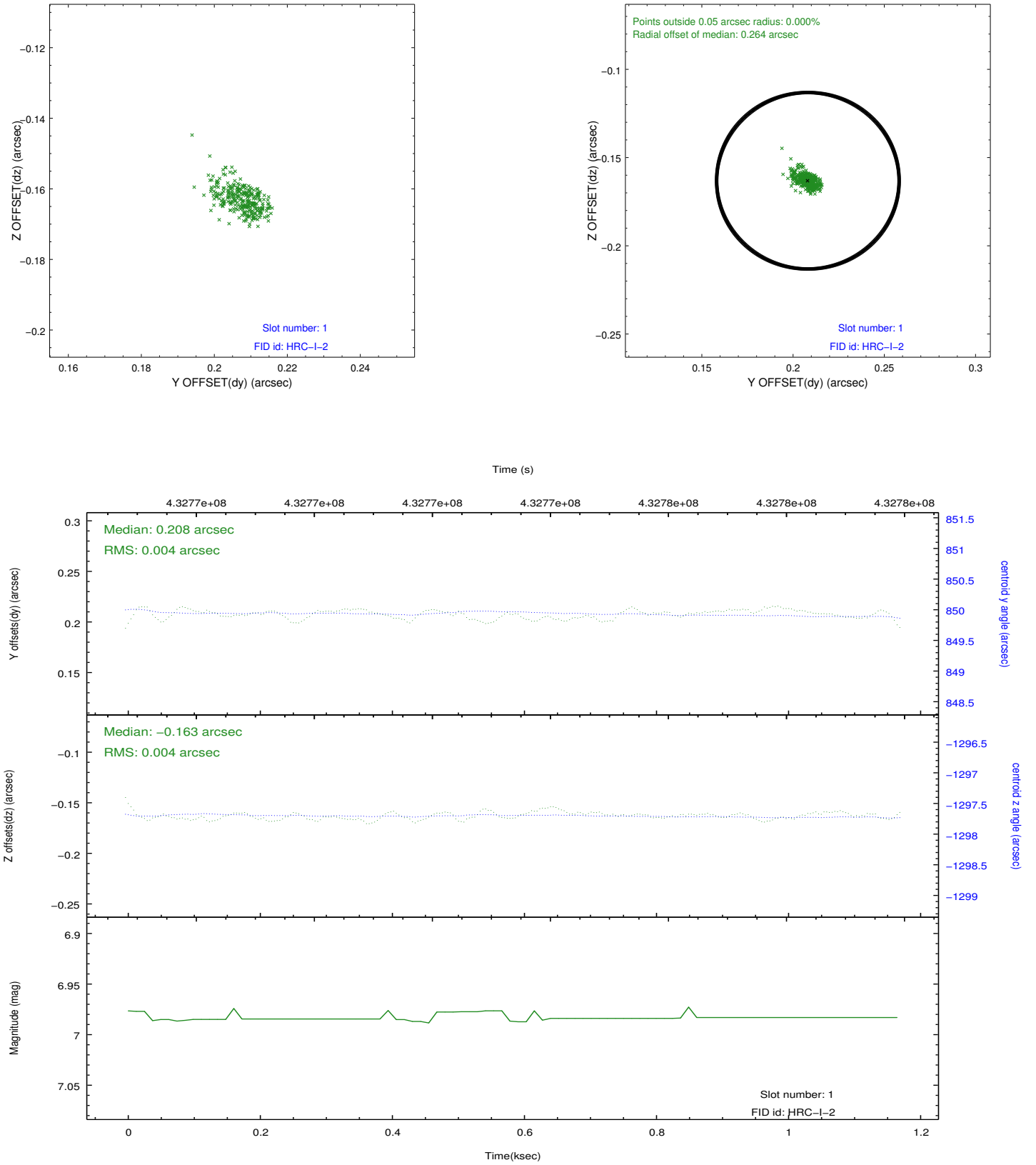


2.5 FID Slots

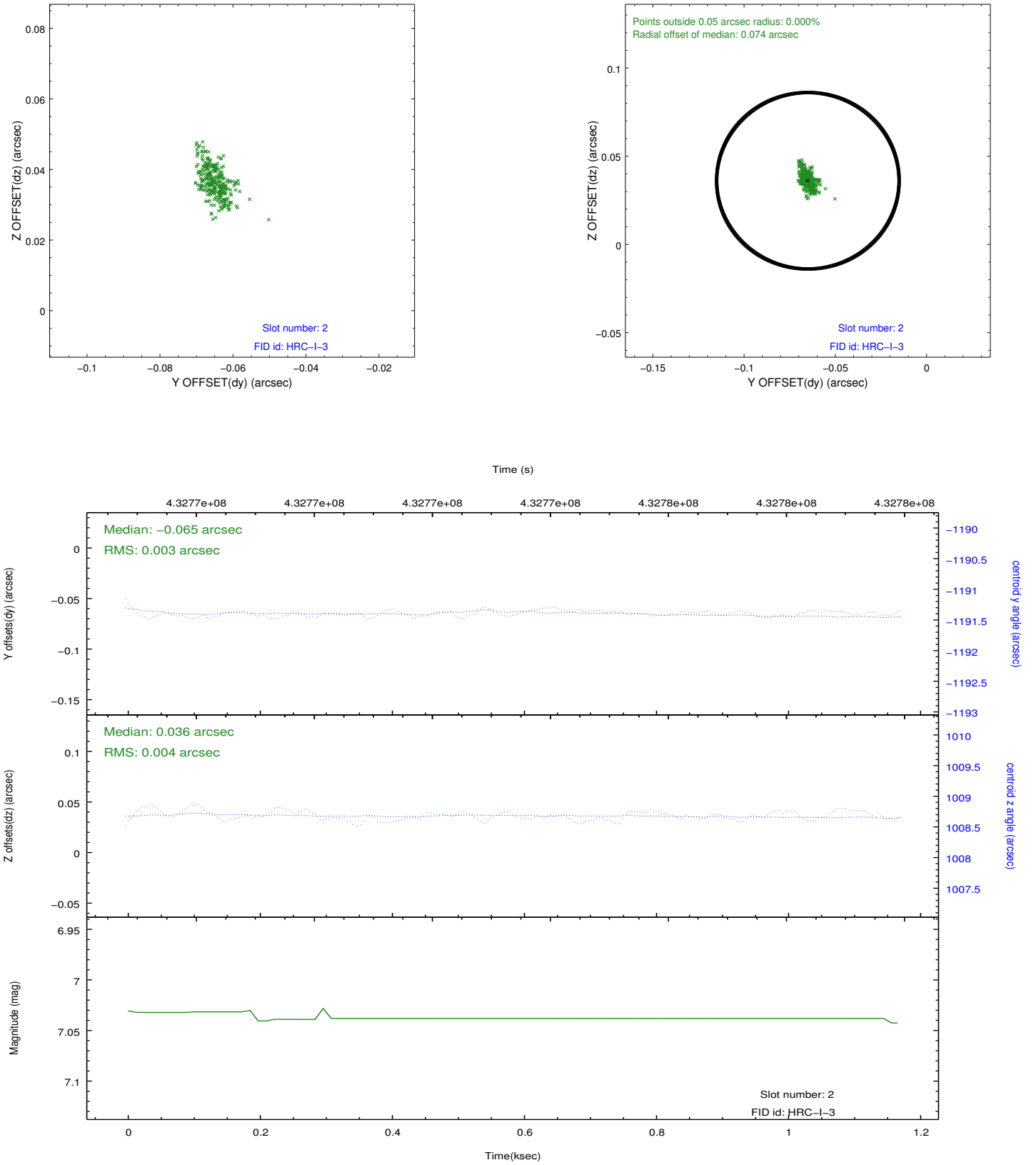
2.5.1 Slot 0



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)	2012.08.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1738813114166

A.2 Comments