

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2413 - L2 Version 4
Chandra X-Ray Center

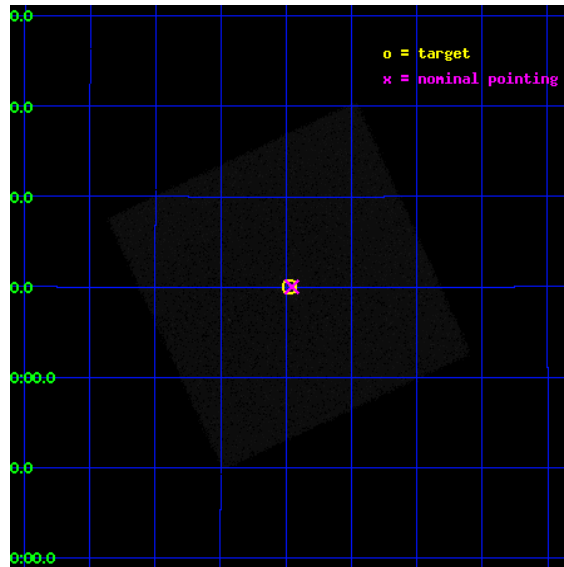
L2 Processing Date : Sep 22 2012

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

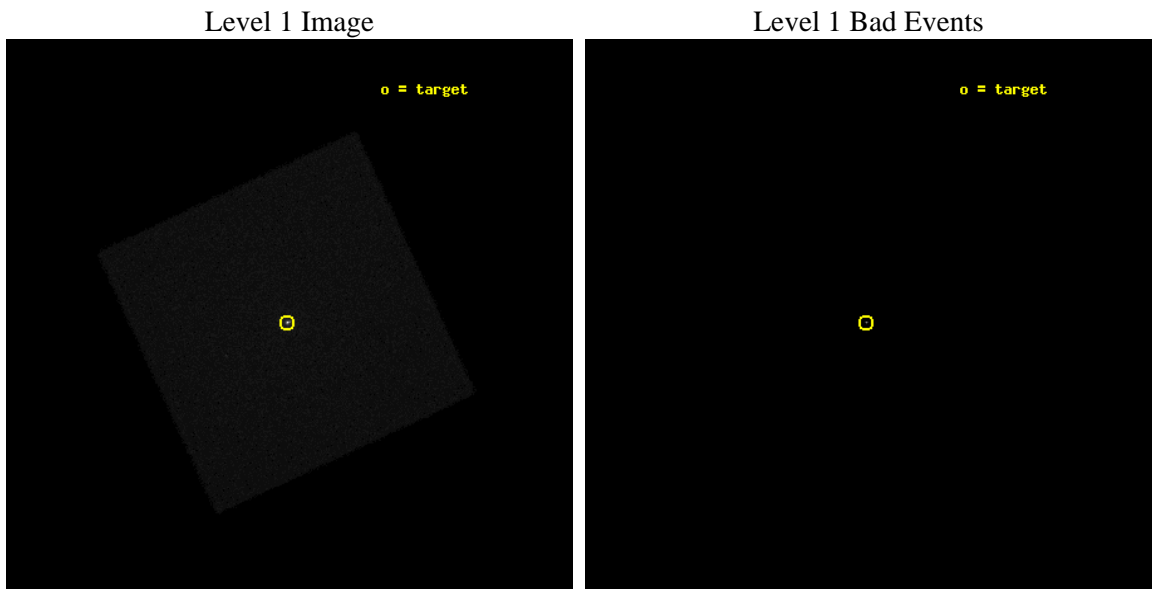
seq_num	300051	Sequence number
obs_id	2413	Observation id
title	THE X-RAY SOURCE POPULATION IN THE CORE OF M15	Proposal title
observer	Professor Philip Charles	Principal investigator
object	M15	Source name
ra_targ	322.492917	Observer's specified target RA [deg]
dec_targ	12.166806	Observer's specified target Dec [deg]
ra_nom	322.48860254869	Nominal RA [deg]
dec_nom	12.167030814616	Nominal Dec [deg]
roll_nom	200.16463579651	Nominal Roll [deg]
revision	4	Processing version of data
ontime	10871.150428936	[s]
livetime	10789.622369901	Ontime multiplied by DTCOR
l2events	570120	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	11000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10871.150428936	[s]
caldbver	4.5.1.1	 	l1events	775590	Number of level 1 events
date	2012-09-22T07:43:03	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

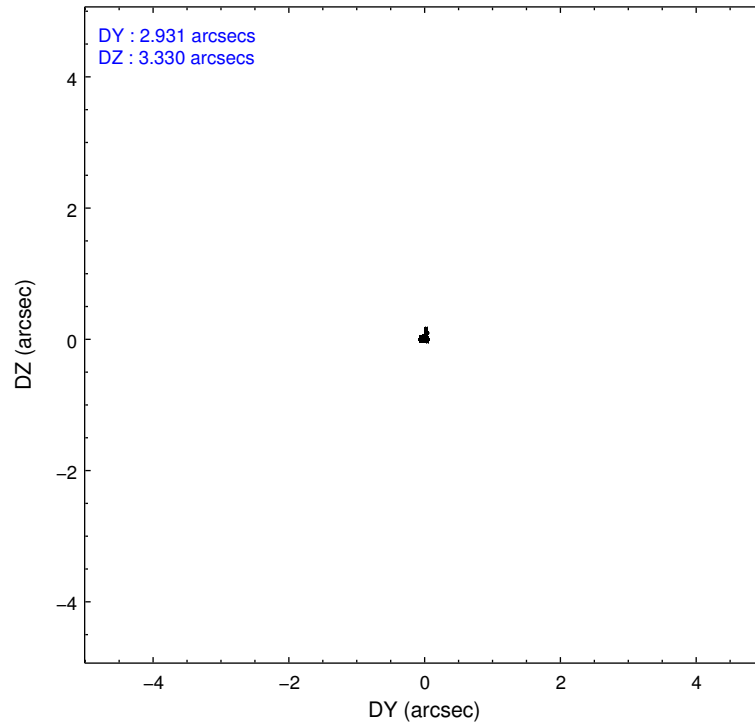
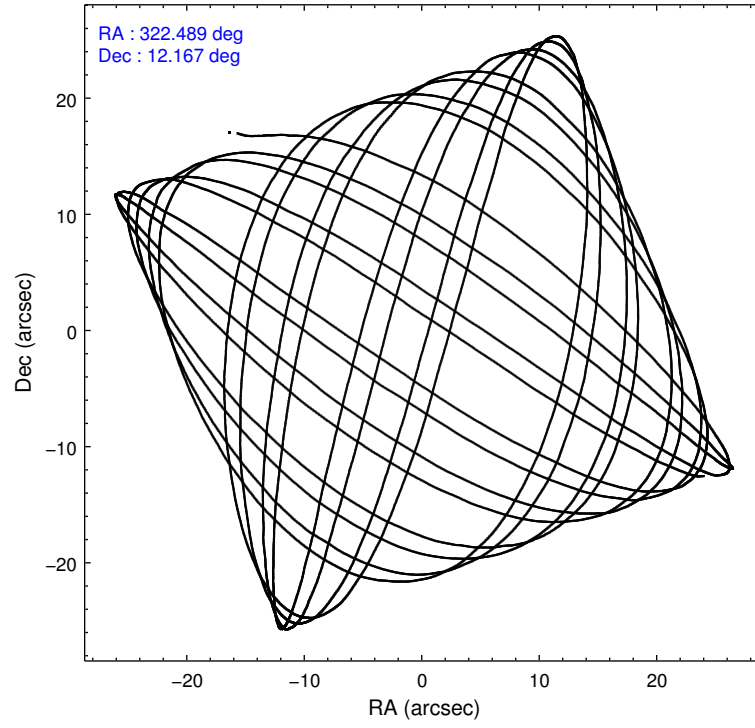
Level 1 Events

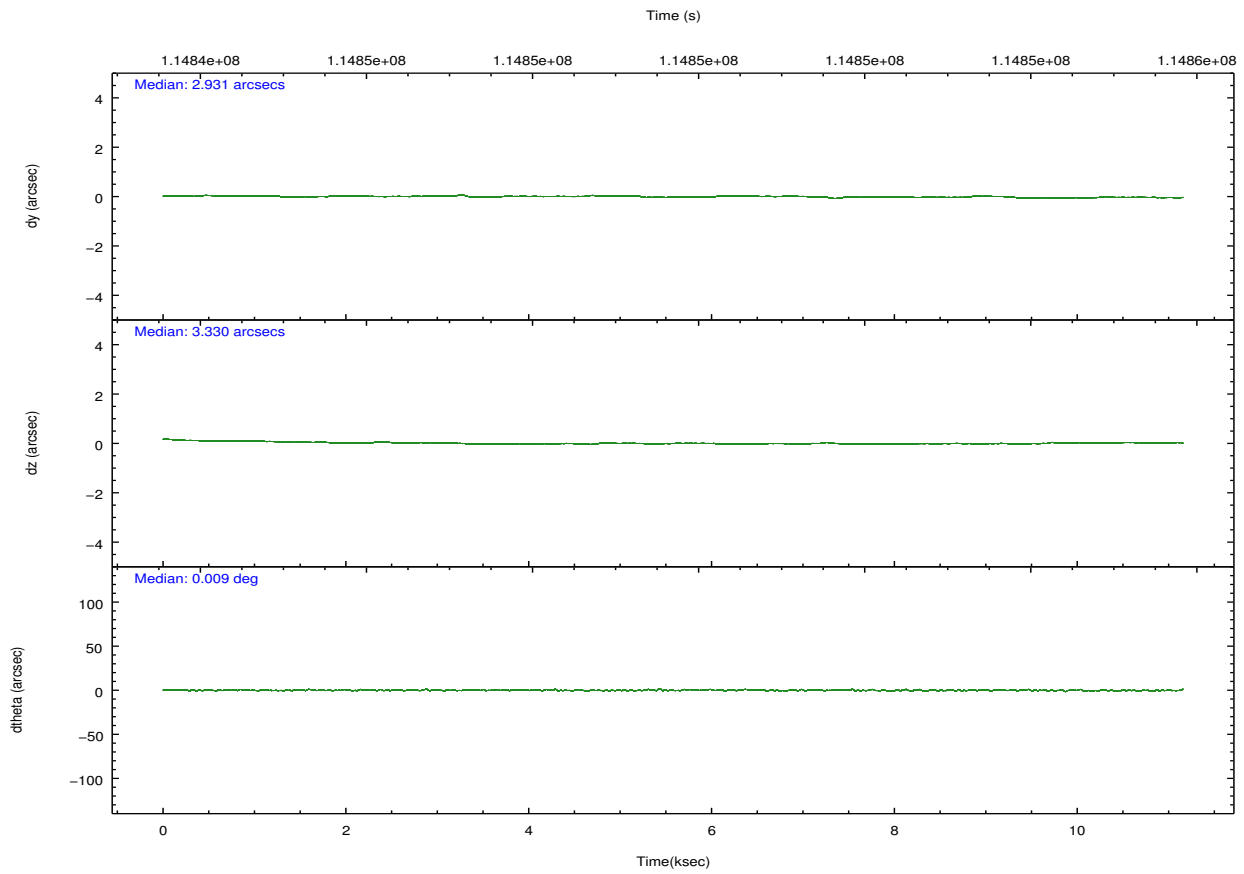
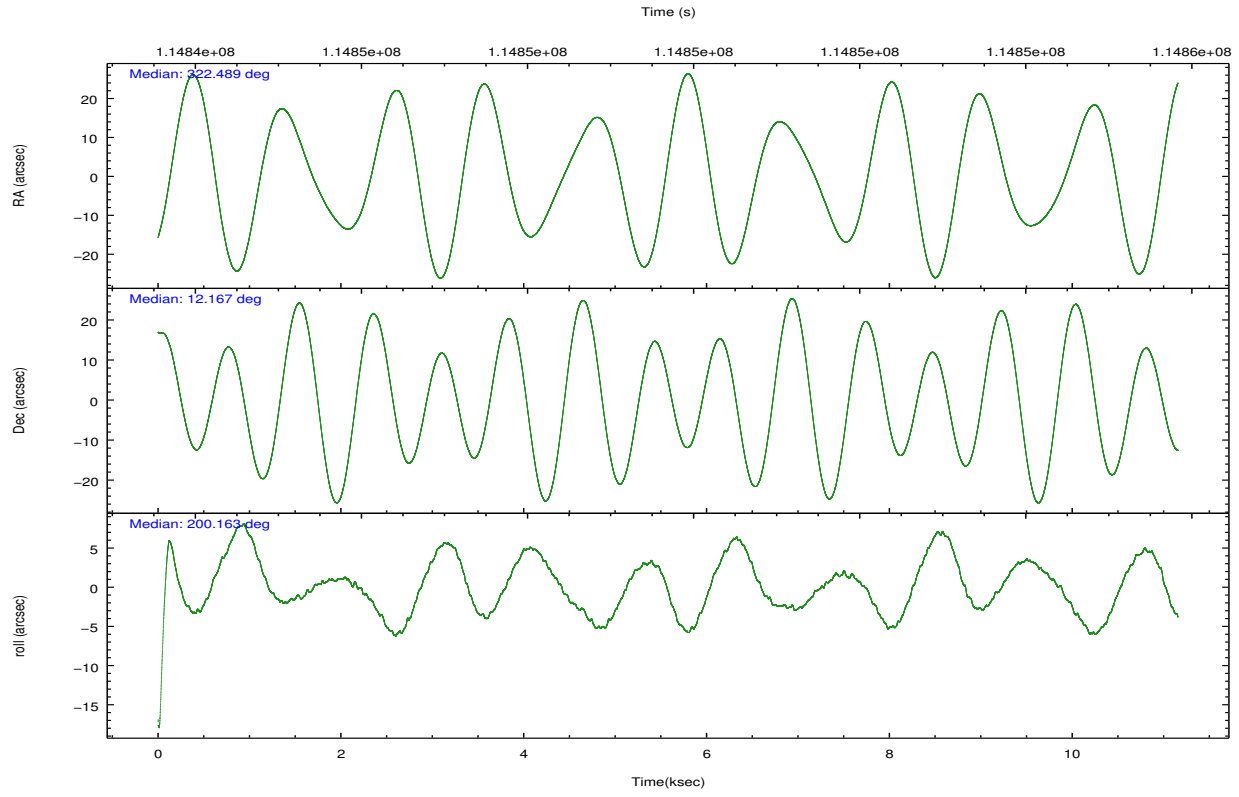
	segment 0
level 1 events	775590
rejected events	5695
rejected %	0%

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	322.505925	322.4886025486917			
[deg] Pointing Dec	12.188201	12.1670308146163			
[deg] Pointing Roll	200.256502	200.1646357965089			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9804656746847			
[mm] SIM translation stage offset	0	0.005023216916882234			
Phase constraints	Y	Y			
[d] Phase period	0.712917	0.712917			
[d] Phase epoch (MJD)	50642.547000	50642.547000			
Phase start	0.900000	0.900000			
Phase end	0.100000	0.100000			
Phase start error	0.050000	0.050000			
Phase end error	0.050000	0.050000			
[s] Observation start time (MET)	114844269.184000	114843427.67123			
Observation start date	2001-08-22T05:10:05	2001-08-22T04:57:07			
[s] Observation end time (MET)	114855269.184000	114855799.93422			
Observation end date	2001-08-22T08:13:25	2001-08-22T08:23:19			

2.3 Aspect



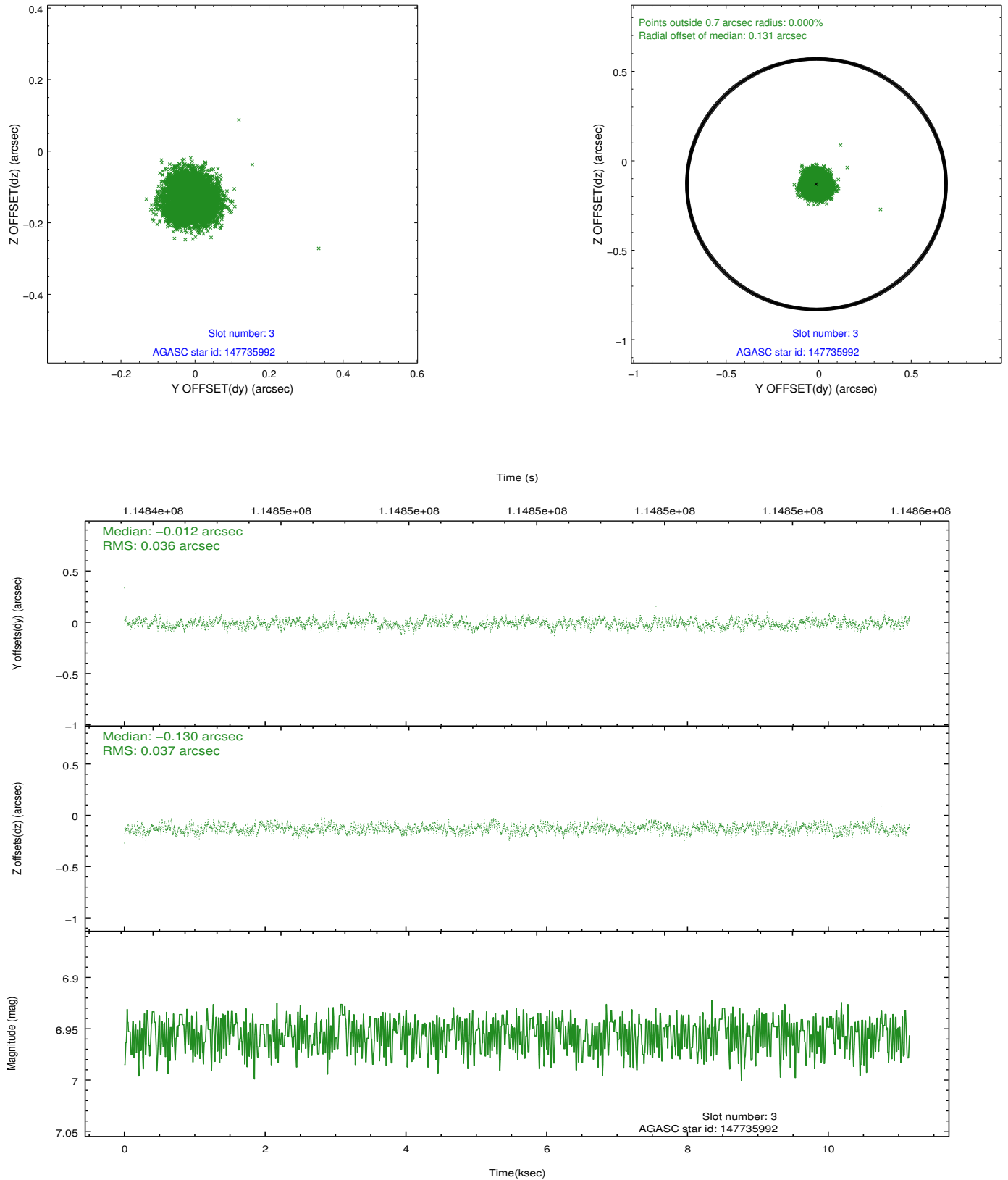


Slot Statistics

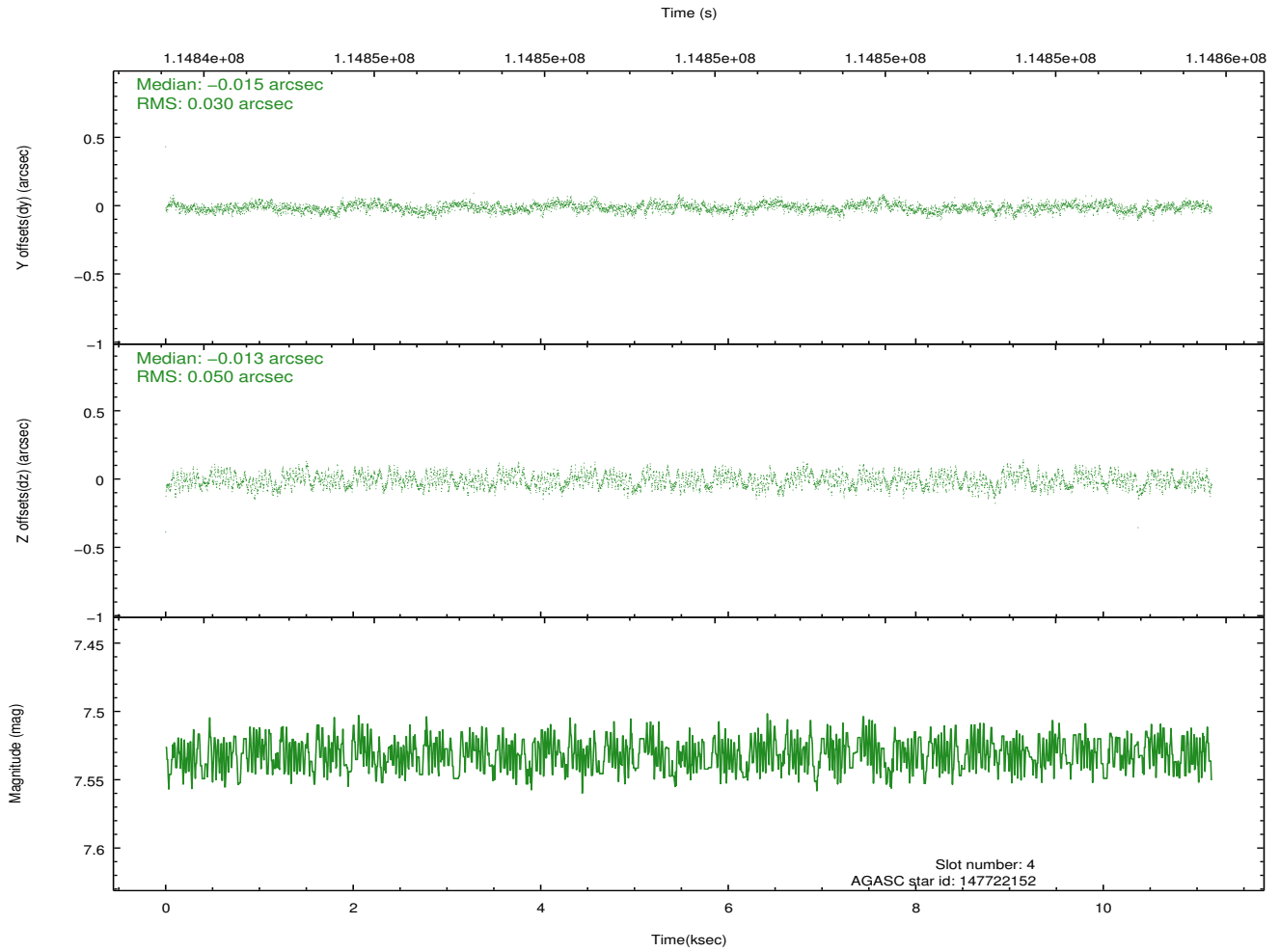
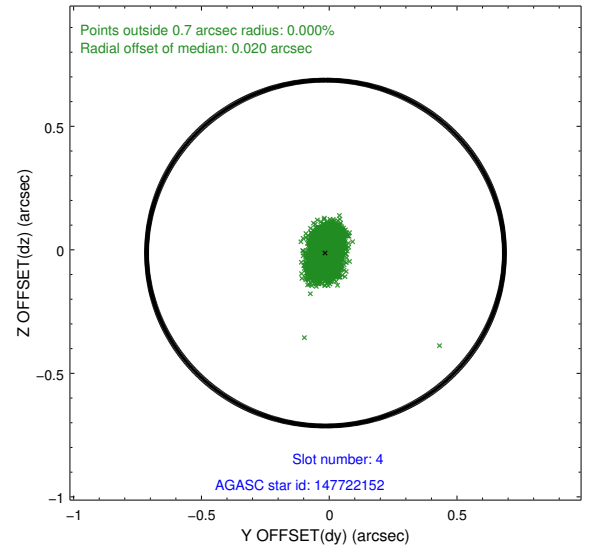
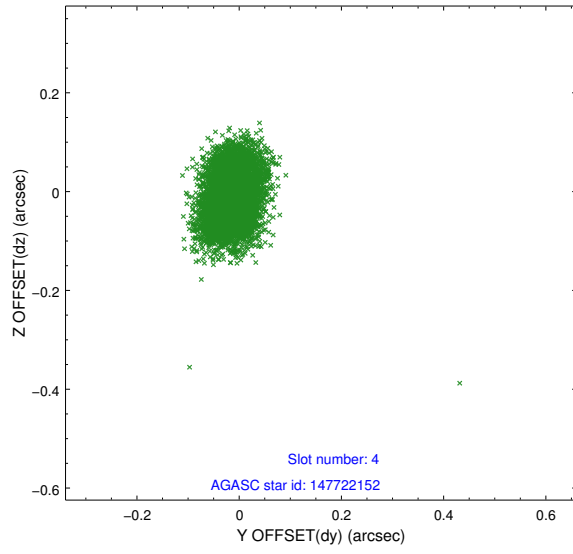
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-2	7.00	2721	0.084	-0.041	0.006	0.010	0.000000	0.000000	854.30	-1292.65
1	FID	HRC-I-3	7.05	2720	-0.001	0.014	0.006	0.011	0.000000	0.000000	-1186.56	1013.09
2	FID	HRC-I-4	6.98	2721	0.036	-0.060	0.006	0.010	0.000000	0.000000	1284.00	1011.43
3	GUIDE	147735992	6.95	5443	-0.012	-0.130	0.056	0.085	322.299566	11.952911	975.16	543.53
4	GUIDE	147722152	7.53	5443	-0.015	-0.013	0.062	0.099	322.735072	12.555367	-1212.73	-960.82
5	GUIDE	147719608	8.70	5441	0.017	0.030	0.066	0.106	322.898936	12.907459	-2190.63	-1952.22
6	GUIDE	147735328	8.67	5442	-0.023	0.097	0.070	0.113	321.823462	12.214663	2218.57	-923.05
7	GUIDE	147736824	9.15	5442	0.036	0.015	0.076	0.123	322.394074	11.689801	991.70	1547.36

2.4 Star Slots

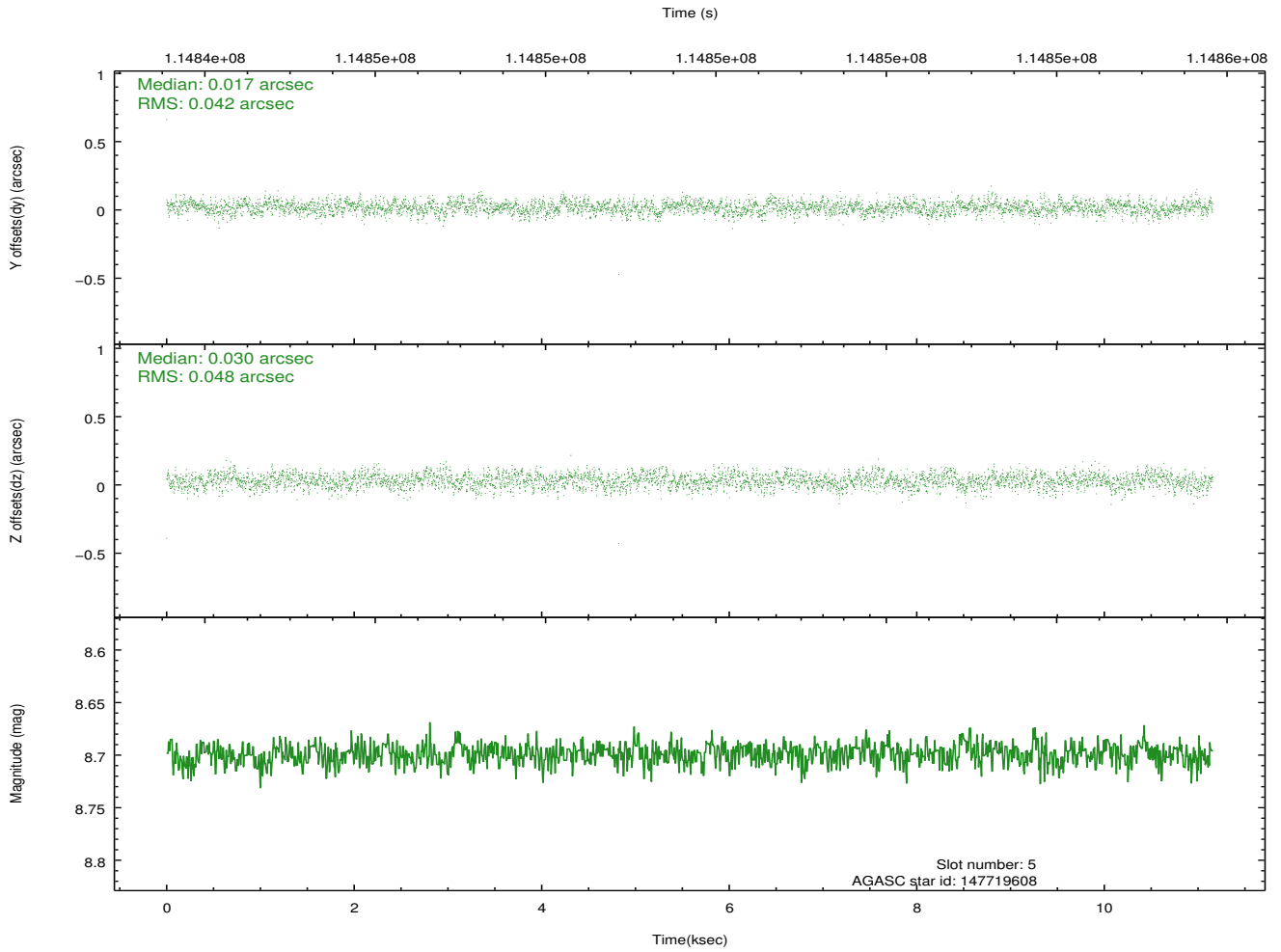
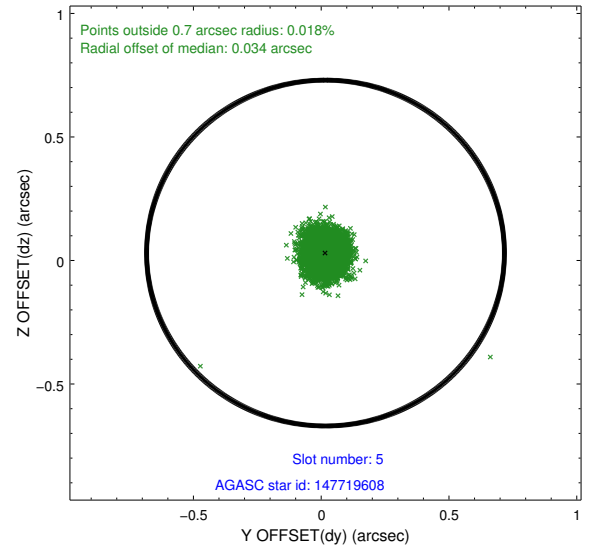
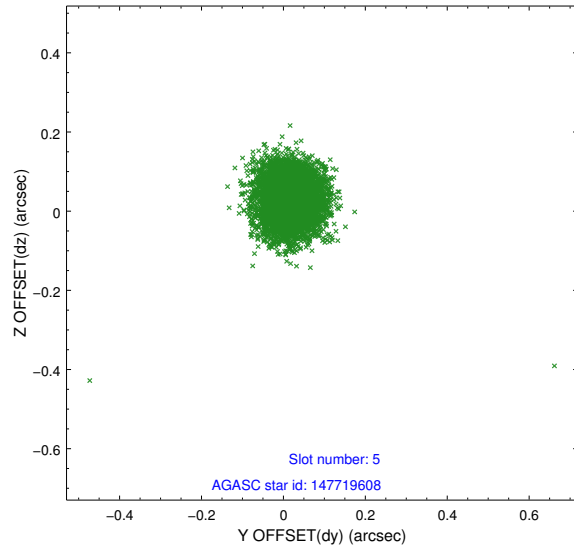
2.4.1 Slot 3



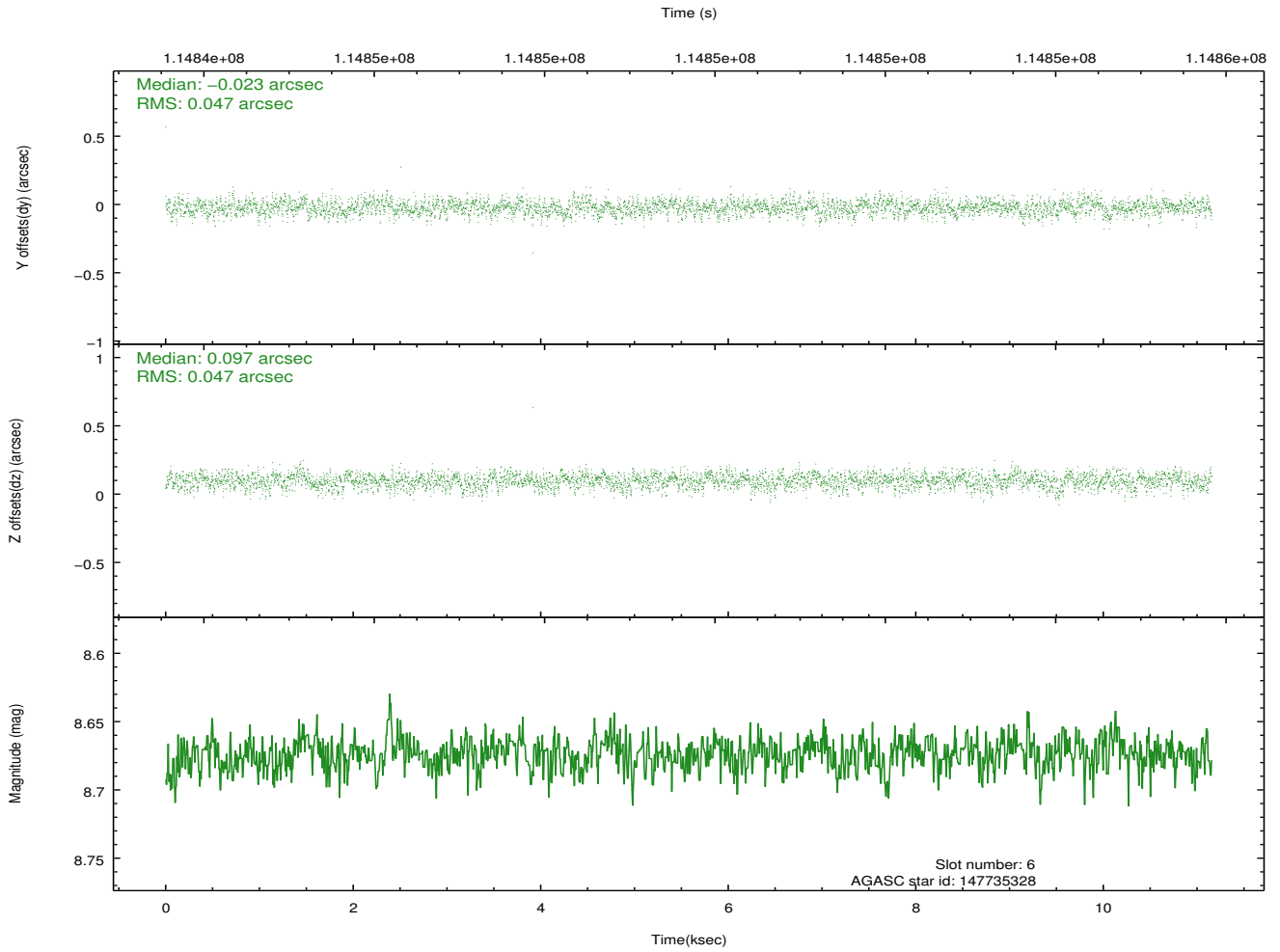
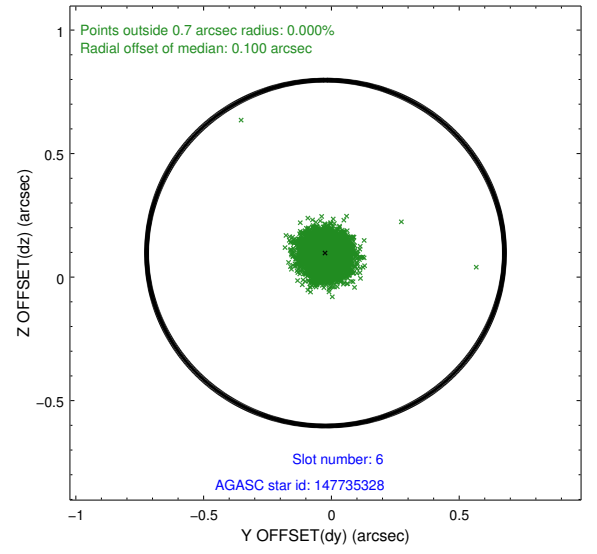
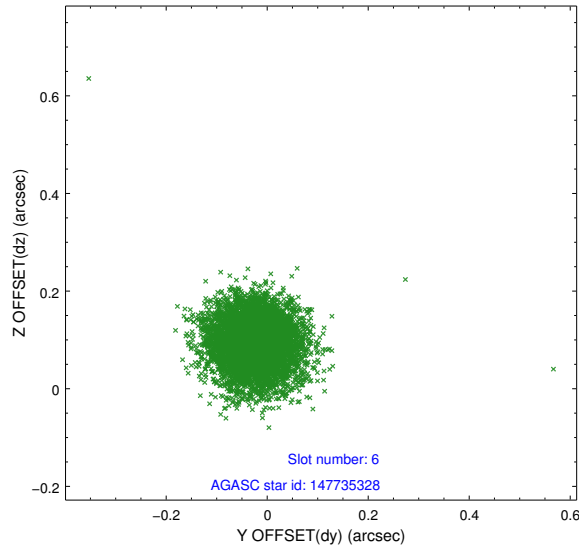
2.4.2 Slot 4



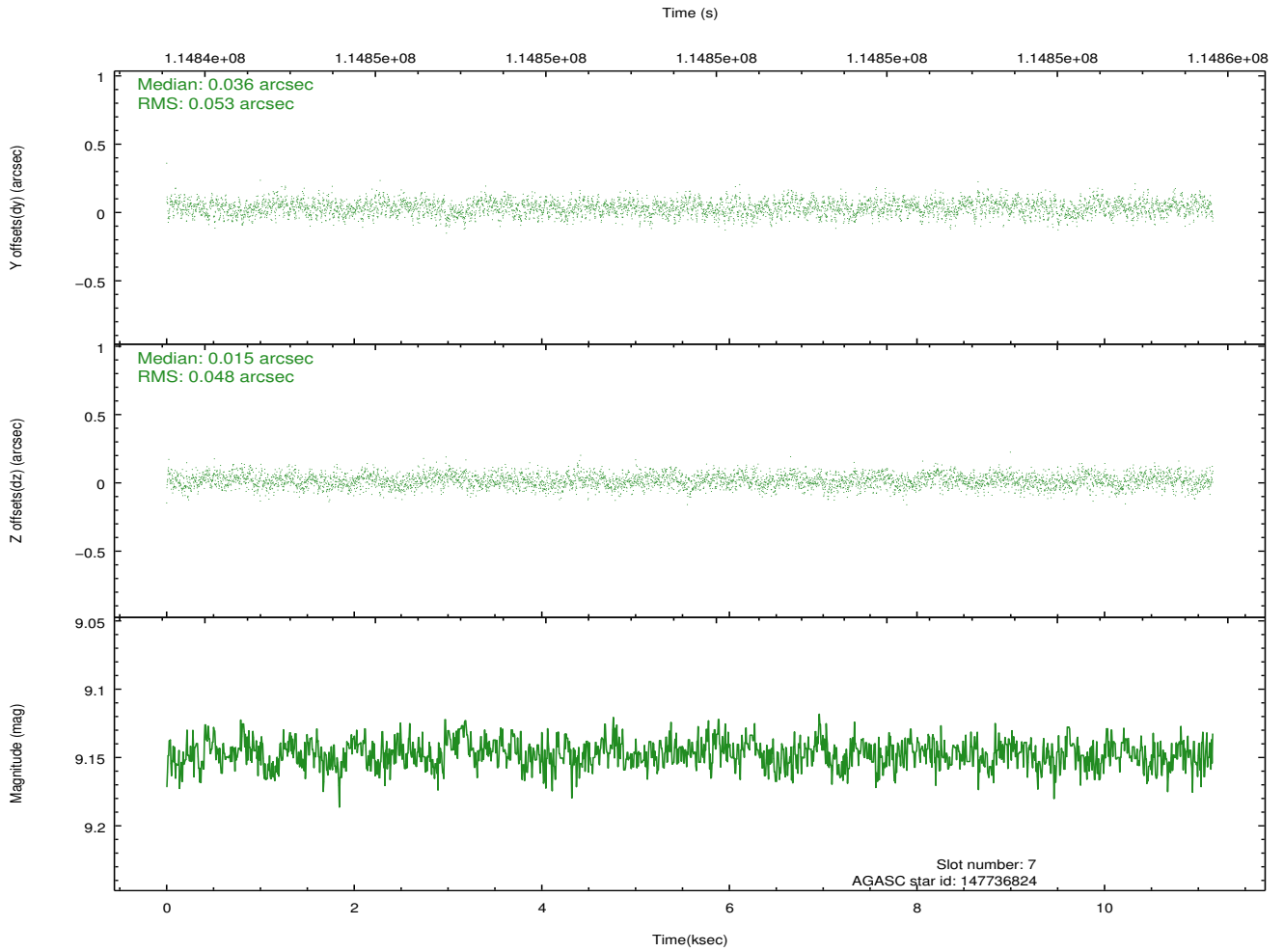
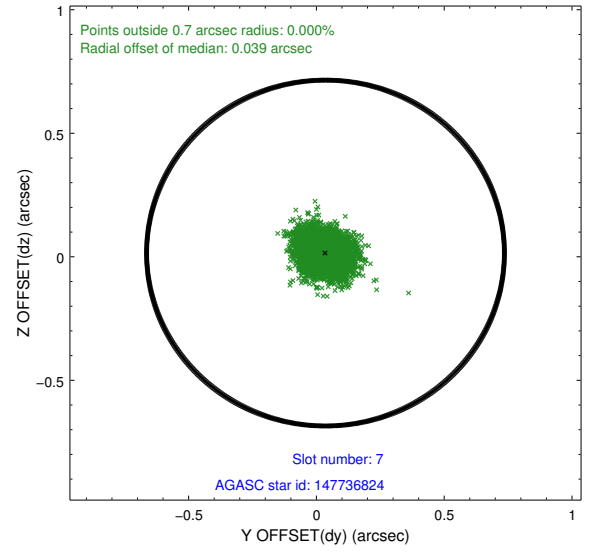
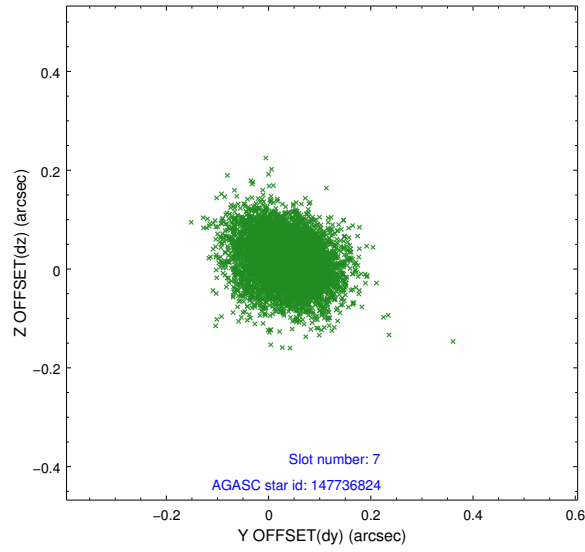
2.4.3 Slot 5



2.4.4 Slot 6

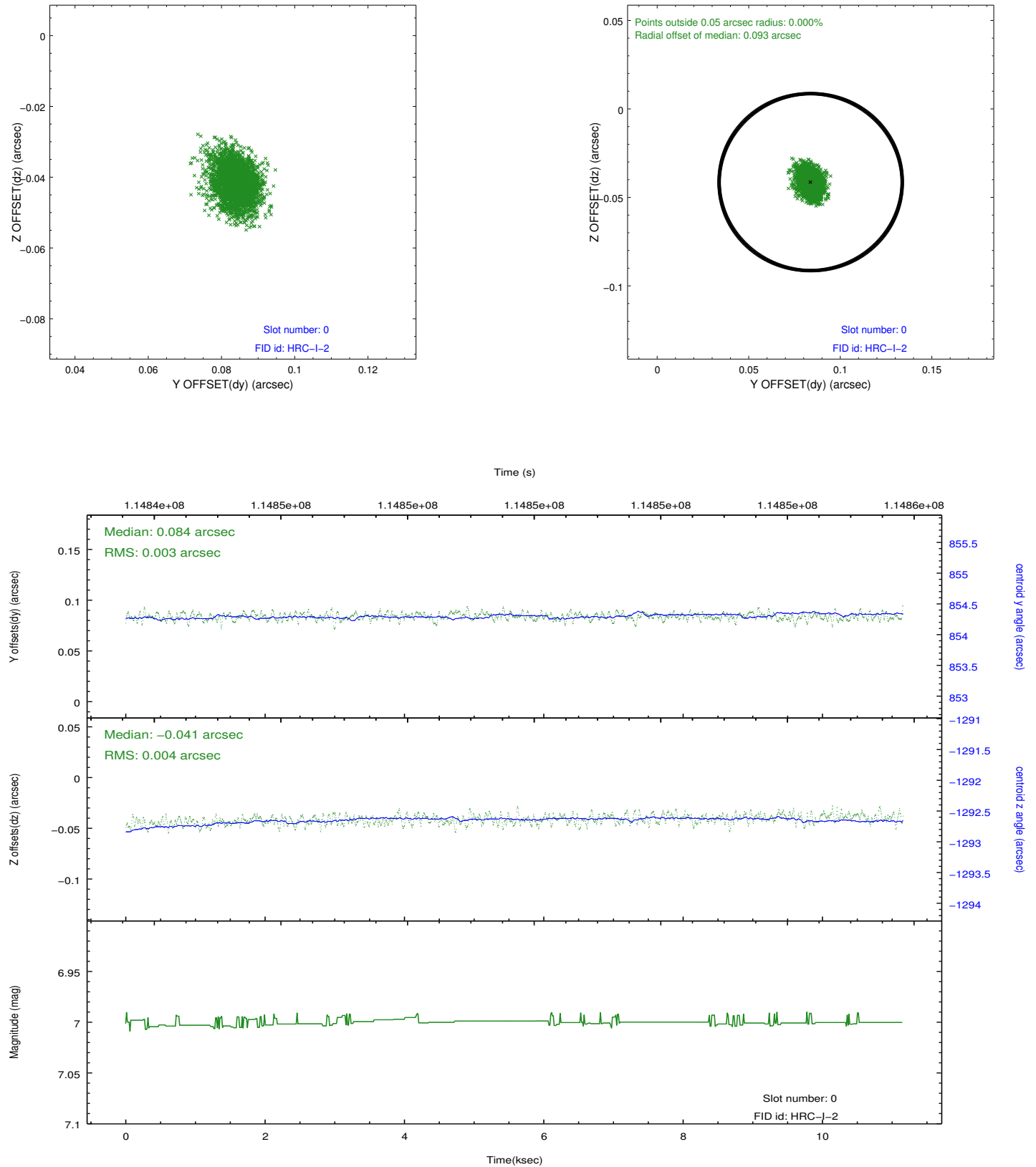


2.4.5 Slot 7

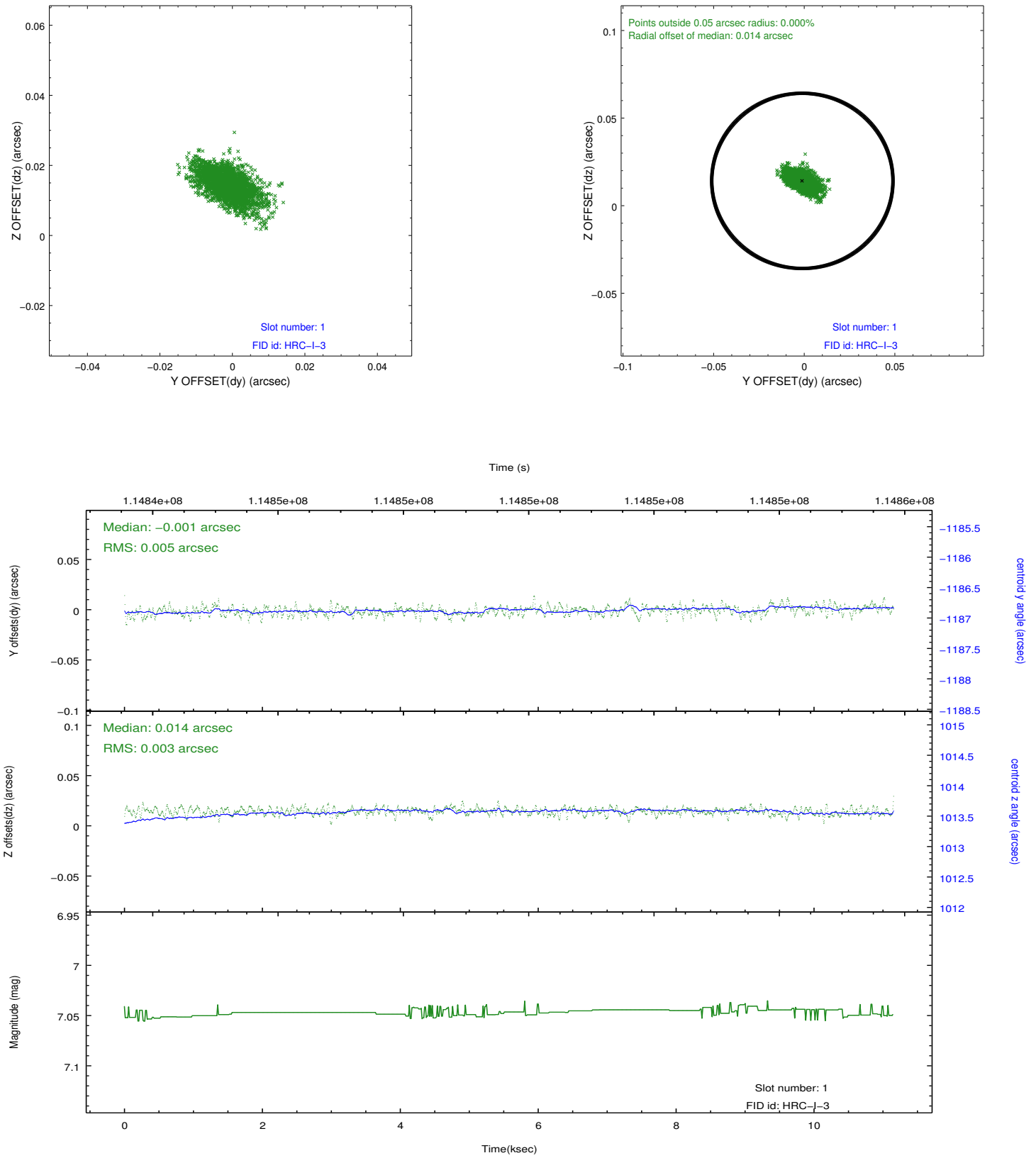


2.5 FID Slots

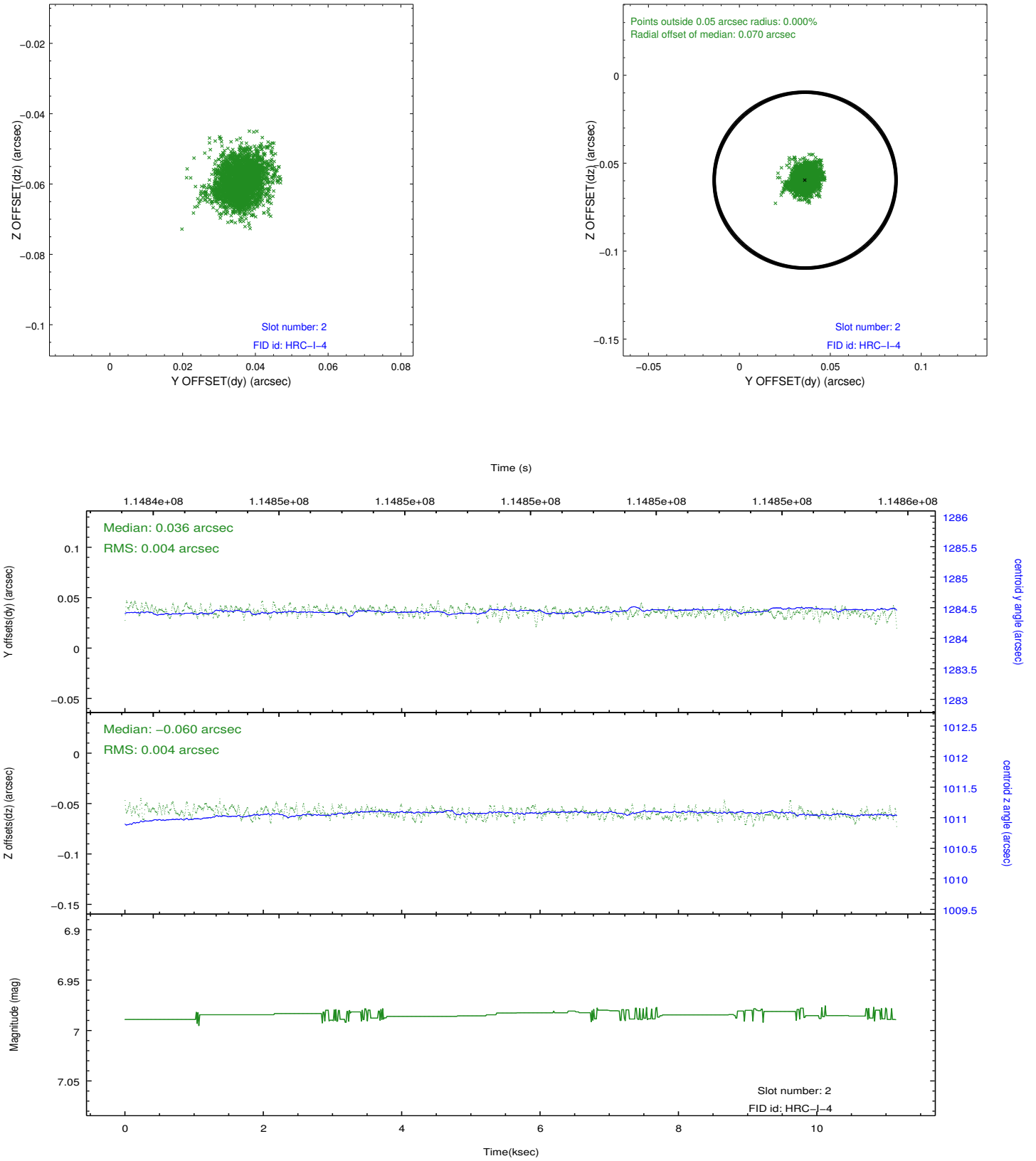
2.5.1 Slot 0



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)	2012.09.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.871

A.2 Comments

Phase constraint OK per prior V&V report.