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The following is the list of analyzable tests that were run on NGIMS after delivery to APL. Many other tests were run but due to spacecraft front-end problems, those tests suffered from data dropouts and cannot be analyzed. Other tests were run with filaments off and are not included in this list.

Date	TID	Test Name	Comments
Dec 10, 2001	1246	Functional19	APL delivery test on bench
Dec 10, 2001	1248	Encounter3Hr5a	APL delivery test on bench
Dec 11, 2001	1262	Baseline64	First baseline on Spacecraft
Dec 13, 2001	1265	Functional19a	First functional on Spacecraft
Dec 17, 2001	1269-1271	Functional19a	Functional. Spacecraft Performance Test (SPT) Day 1. Bad data from SC due to data dropouts.
Dec 18, 2001	1276,1277	EncounterFilOff	SPT Day 3. Encounter Sim. Bad data from SC due to data dropouts.
Dec 20, 2001	1280-1282	Functional19a	SPT Day 4. Functional19a. Bad data from SC due to data dropouts.
Jan 7, 2002	1292	Functional19a	Check cal cell leak rate before v.3.709 sw load.
Jan 7, 2002	1295	Nf_3709_rev1_cs	Load v 3.709 software to verify load capability
Jan 8, 2002	1299	SpecialEMCTurnOn1	Spacecraft EMC. NGIMS in noisy mode. Data dropouts observed.
Jan 15, 2002	1312,1337	Functional19a	Pre-Vibration test (Archive playback) - SC moved to Vibration
<b>Jan 17, 2002</b>	<b>1313</b>	<b>Baseline65</b>	<b>First end-to-end Baseline on SC. Post z vibration test – side A</b>
Jan 17, 2002	1314	Functional19a	Post z vibration test – Side B
Jan 21, 2002	1317	Functional19a	Post y vibration test – side A
Jan 21, 2002	1319	Functional19a	Post y vibration test – Side B
Jan 22, 2002	1326	Functional19a	Post x vibration test – side A
Jan 23, 2002	1335	Baseline65	Post x vibration test – Side B, complete but for last nop 6200
Jan 31, 2002	1343/1369	Functional19a	PreAcoustics/Post – move to GSFC – Side A. Test. TID 1369 is archive playback.
Jan 31, 2002	1349	Functional19a	PreAcoustics/Post-move to GSFC – Side B
<b>Feb 8, 2002</b>	<b>1374</b>	<b>Baseline65</b>	<b>PostAcoustics Test – Side A</b>
Feb 8, 2002	1375	Playback of 1374	Day 033 16:52 - 18:06
Feb 8, 2002	1378	Functional19a	PostAcoustics Test – Side B
<b>Mar 4, 2002</b>	<b>1392</b>	<b>Baseline65</b>	<b>Pre-TV Balance Baseline – Side A</b>
Mar 4, 2002	1395	Playback of 1392	Day 064 17:31 – 18:58
Mar 6, 2002	1396	Functional19a	Pre-TV Balance Functional – Side B
<b>Mar 11, 2002</b>	<b>1397</b>	<b>Baseline65</b>	<b>Cold TV Balance Pre-Encke Baseline – Side A (plateau 3)</b>

Mar 11, 2002	1398	Playback of 1397	Day 070 18:22 – 20:46
Mar 11, 2002	1400	BA check	Cold TV Balance BA pressure check
Mar 11, 2002	1401	Encounter_FilOn	Cold TV Balance Encke Encounter_FilOn – Side A
Mar 13, 2002	1403	Playback of 1401	Day 071 04:42 – 16:01
<b>Mar 12, 2002</b>	<b>1404</b>	<b>Baseline65</b>	<b>Hot TV Balance Pre-SW3 checkout (Plateau 5) – Side A</b>
Mar 13, 2002	1406	Playback of 1404	DAY 072 4:51 – 6:00
Mar 13, 2002	1408	FuncEnc1A,2A,3A	Hot TV Balance SW3 <u>Sequenced</u> encounter (Functional19A). Dry run for Day 3 Mission Sim test . (Slope 5A)
Mar 13, 2002	1410	FarEncA, PreEncA, EncA, PostEncA, PostEncCalA	Hot TV Balance SW3 <u>Sequenced</u> encounter, Dry run for Day 3 Mission Sim test (Slope 5A)
<b>Mar 19, 2002</b>	<b>1413</b>	<b>Baseline65</b>	<b>Cold TV Cycle – Day 1 of SPT PB = 18:03 – 18:30 Side A</b>
Mar 20, 2002	1419,1421	Encounter_FilOn	Cold TV Cycle – Day 3 of SPT Side A
Mar 20, 2001	1436	Playback of TID1419 & 1420	Cold TV Cycle – Day 3 of SPT
Mar 21, 2002	1413	Functional19a	Cold TV Cycle – Day 4 of SPT Side B PB = DOY 081 00:00 – 01:00
<b>Mar 22, 2002</b>	<b>1425</b>	<b>Baseline65</b>	<b>Hot TV Cycle – Day 1 of SPT</b>
	1438	Playback of TID 1425	
Mar 23, 2002	1428	Functional19a	Hot TV Cycle – Day 3 of SPT (APL mistakenly told us to run this)
Mar 23, 2002	1429	Encounter_FilOn	Hot TV Cycle – Day 3 of SPT PB = DOY 083 06:07 – 06:14, 09:50 – 10:55, 11:00 – 16:30
Mar 24, 2002	1430	Functional19a	Hot TV Cycle – Day 4 of SPT, Side B, PB = 083 20:05 – 21:50
Mar 27, 2002			Cold TV Cycle Pyro burn wire test
Mar 29, 2002		SpecialEMCTurnOn1	Cold TV Cycle RF compatibility test
<b>April 3, 2002</b>	<b>1439</b>	<b>Baseline66</b>	<b>Post TV baseline66 (sequenced), Mission Sim Day 3 Room Temp, 1 atmosphere</b>
April 3, 2002	1441	Rupture2	Test rupture valve sequences
April 3, 2002	1442	CalValueCheck3	Test CalValueCheck after rupture sequence

April 4, 2002	1443/1457 (pb)	FuncEnc1A,2A,3A, FarEncA, PreEncA, EncA, PostEncA, PostEncCalA	Playback of Sequenced Encounter Sequences (no real time data available. Data rate at 40 bps)
Apr 8, 2002	1447	Functional19a	Post TV SPT Day 1 Functional Side A, PB = 098 22:37 to 099 00:15
Apr 9, 2002	1453/1457 1462	EncounterFilOn	Post TV SPT Day 3 Encounter Fil On Side A, TID1457, 1462 is PB @ 095 3:58 – 11:15
<b>Apr 10, 2002</b>	<b>1459</b>	<b>Baseline66</b>	<b>Post TV Ambient SPT 4 - Day 4 Side B</b>
Apr 17, 2002	1460	Encounter (STOL)	Encounter_FilOn2_NoValves.txt SPT Encounter Sim to test CIDA dropouts
	1461	Encounter (STOL)	Playback of 1460 107 17:10 – 23:00
Apr 30, 2002	1463/64	Functional19c	KSC SPT Day 1 – (reset from DAC 25 set to –1500 V), TM stops. TID1464 – reset GSE, still no TM.
Apr 30, 2002	1465	Functional19c	KSC SPT Day 1 UTC 120 16:38 (redo Functional19c)
	1468	PB Functional (PB of TID 1463/64/65)	PB SPT Day 1 DOY 120 17:17 – 17:30. Functional19c. Data is mixed TID 1463/64/65. Hard to analyze.
<b>May 1, 2002</b>	<b>1466</b>	<b>PHD Flat table load Baseline</b>	<b>KSC SPT day 2 UTC 121 18:52:00 Side B Baseline67_NoValves_hiEmis</b>
<b>May 6, 2002</b>	<b>1470</b>	<b>Playback 1466</b>	<b>PB SPT Day 2 DOY 121 23:01:55 – 23:08:55</b>
May 2, 2002	1467	Encounter	KSC SPT Day 3 Encounter_FilOn3_noValves_hiEmis
May 6, 2002	1472	Playback 1467	122 23:50 – 123 5:15:00
May 3, 2002		TM on	KSC SPT day 4 SSR Stress test
May 10, 2002	1474	Safing mode test	Special autonomy test to test safing mode.
<b>May 16, 2002</b>	<b>1476</b>	<b>Final Baseline</b>	<b>Mission Sim Day 3. DOY 136 14:14 - 16:26 (Local).</b>
May 17, 2002	1477	Playback 1476	DOY 136 UTC 21:10 – 23:38