LUMINARY 204 EO

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360
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SPECIAL REGISTERS — 49

INTERRUPT — 61

FLAGWORD — 77

16 — 112 PAS RADAR 2

EXEC — 114

TEMPS — 32

142 AX + SR + T 4

157 AX + SR + T 2

CORE SETS — 154

96

INCORP R22 — 314 — 4

STANDBY — 314 — 4

320 RADCTR

THETAD — 321 — 3

DELTAV — 324 — 6

332 WAITLIST — 1

DOWNLINK — 333 — 27

DISPLAY — 366 — 6

374 CHANNEL 7

ALARM — 375 — 3

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410
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VAC AREAS

220

705 RESTARTS 4

733 R59 1
735
CALCSMSC 12

751
PHASE TABLE RESTART 12

765
AXISR+T 6

773 V37 2
775 PINBALL 3

1000
1010 PINBALL
1020
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1050 43 1050 EXT VERBS 2
1052
1060 TBASES + PHSPRDT 10
1066 VNSW DISPLAY 5
1070 1072 AGSCORE 1
1074 IMU COMP 1
1075 SPECS SPSIN 2
1077
1100 11000 P22 6
RADAR
1110 13
1114
1120 ORBIT INTEG
1130
1140 21
1141
1150 MISC
1160 20
1165 1166 SYSTEST 2
1170 1173 DVTEMP 2
P27
1200 UPDATE
1210
26
1217
1220 RN, VN PIPTIME
1230 14
1235 1235 1235 S34/35.5 2 1235 P76-72 1
1240 ALIGNMENT 6
SERVICER
1245 UPSUM 3
1250 P76 N84 6
1260 16 1256 INCORP 1
1257 PERM LEM DAP 5
1264 DOFDAY 1
1265 CISTALL 4
1270 1271 RADARSAD 2
1273 RCSFAIL 1
1274 KALCMANU 3
1277
1300 MODESWITCH
9
1310 1316 TVRUPT 3
1317 REND RAD 3
1315 1315 LAND PC 1
1320 MEAS INC 4
1321 AGSNCAR 1
1322
MISC 6
1330
1330 REND + LAND 1332 RADAR 1
RADAR 7
1340 1337 R63
1340
LEM DAP 4
1344 N87 2
1345 R63-AZ 1
1350 1347 AZ LUN POT 2
1351 TRUN SHAFT 2
1353 R62 1 1355 LAND PC 1
1354 PGR PC 1
1355 TLOSS 2
1360 1357
SELF CHECK
1370
11

LUMINARY 204

E3

1400
1410 WAITLIST 26
1420
1430
1432 RESTART 2
1434 LONGCALL 2
1436
1440 PHASE CHANGE 12
1450
1452
1460 IMU COMP 22
1470
1500
1510 STATE VECTORS INTEGRATION 44
1520
1530
1540
1550
1552 CONICS 2
1554
1560 PERM STATE VECTORS 97
1570
1600
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1700
1706 CONICSEX 3
1710
1715 R-OTHER V-OTHER 12
1715 SERVICER LUNAR 12
1730
1731 REFSMMAT 18
1740
1750
1753 CENTANG 2
1755 LPS20.1 9
1756 P22 6
1760
1766 P20/22 P4 6
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1774 P32-33 2
1776 P20 AGS 2

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P20 PL 6
1406 LUN SURF 2
1410 P22 PL 2
1412 CONTSCX 6
1420 RLS TLAND PL 8
1430

PERFOR-MANCE TEST 8

I N T E G R A T I O N

1503 R31(V83) 6
1512 V82 4
1512 R31(V83) 2
1530 V82 5
1530 R31(V83) 6
1536 S E R V I C E R 18
1560 V82 6
1560 R31(V83) 6
94
1570 R04-R77 1
1573 KEPLER 2
1571 R36(N30) 6
1571 V67 6
1571 R31(V83) 6
1571 V82 6
1571 V47(R47) AGS INIT 14
1571 S-BAND ANTENNA 10
1571 S-BAND 4
1571 N56 V85 4
1571 R04(V62) 32

1577 V83 18
1577 R36 12
1621 ALIGNMENT PLANET INERTIAL TRANS. 18
1621 KALCMANU 19
1621 SECOND DPS 6
1643 MGA 2
1651 UNRM 6
1643 P32-35
P72-75
1673 DVLOS 6
1701 VLOS 6
40
1707 NOMTPI
1707 P30 4
1713 INITVEL 18
1735 BALLANGS 3
1740 P34-35 2
1742 LPS20.1 (R65) 12
1756 INITVEL 6
1769 R04(V63) 5
1771 N26 3
1774 UNUSED 1

1653 ASCENT GUIDANCE 28
1707 SERVICER LUNAR ASCENT-DESCENT 14
1725 ASCENT GUIDANCE 26

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W MATRIX

LAND 1404 ABORTS PADLOADS. 65

1503 3

1503 2

4

1511

LANDING ABORTS PADLOADS 48

1571 1571

SECOND DPS GUIDANCE

ASCENT DESCENT 123 12

38

1632 ASCENT 2

162

1642

ALIGNMENT SYSTEST & CALCSINSC

36

1706 P52

1706 ALIGNMENT SYSTEST 31

1706 P57 12

1706 VEARTH VSUN VMOON SAT 24

1706 P50's 18

1745 P50's 2

1747

ALIGNMENT STORAGE 23

P32-35 ±

SYSTEM TEST

123

1642 INCORP 18

1667 INCORP LSR 22.3 18

1706

1642

CONICS

85

1707 EXPRESS

1664 MEASUREMENT INCORP R22 6

1706 ENCORP LSR 22.3 3

1711

METEORE - MENT

INCORPORATION

R22

37

LUMINARY 204

E6

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DAP PL
10
1412 DAP 2
1414
AXIS TRANS 5
1421
ANGLE
MEASURE-
MENTS
31
1460
other var
5
1465
JET
STATE
CHANGE
10
1477 QRAXIS 2
1501
TRIM
GIM
10
1513
TORQUE
VECTOR
RECON
17
1534 ASCENT 2
1536
LM DAP
8
1546
INPUT
TO
TJET
LAW
PERM
ERASABLES
50
1630
GTS, QRAXIS 4
1634
DAP
INTERFACE
KALCMAN
1736
Q,R AXIS
6
1747 TORQUE 3
1753 Q,R AXIS 2

1427 TJET 1
1450
TRIM GIM 4
1502 GTS, QRAXIS 1
1643
FINDCDU
27
1702
FIRST
ORDER
OVERLAYS
25
1734
TRIM
GIMBAL
11
1645
P57
12
1746
TJET
LAW
TEMPS
10
1756
DAPTEMP
DAPREG
DAPRUPT
18
1760
NEEDLER
6
1766 DOUBLE TJET 3
1771 RCS 2
1773 ASPMAS 1
1777 DAP 1
1779 8

LUMINARY 20.4 E7

1400 | P35 PL 4

1404 AOTMARK P.L. 12

1420 LAND PL 2

1422 TARGETS 1

1423 P63 - P64 4

1427 LAND PL 2

1431 ASTEER PL 2

1433 P40's P32-35 P72-75 6

1441 P30-40 2

1443 INITVEL 8

1453 CLOKTASK BURN 3

1457 L.R. 4

1463 P32-35 P72-75 6

1471 R E N D E Z V O U S P32-35

1423 P22 PL 5

1438 P66 6

1451 L.R. 2

1463 LUNAR LAND 6

1471 INITVEL 6

1477 BURN 2

1501, P71 2

1505 P35-40 6

1524 P50's AOTMARK 12

1471 I N C O R P 47

1550 AOTMARK 3

1553 PLANET 8

1563 AOTMARK 15

1585 INITVEL 6

1607 INITVEL 3

1616 INTVCT 1

1471 SERVICER 6

1501 S E R V I C E R 61

1606 ALIGNMENT S40.2.3 18

1630 ASCENT 31

1655 ASTEER 6

1673 L R S 2 2 . 3 30

1733 LRS22.1 LRS22.3 13

1750 LRS22.1 10

1762 P21 2

1764 ATT MANEUVERS R60-65 12

1473 ASCENT 2

1544 SECOND DPS LANDING 16

1578 ASCENT 2

1583 LAND 2

1606 LANDING 11

1621 LANDING P63-67 24

1652 LANDING 14

1670 R12 6

1676 LANDING - ANALOG DISPLAY - 32

1732 QTY 2

1625 P47 6

1630 P34-35 S40.2 2

1632 P30-40-42 1

1633 P32-34 6

1641 P30-40 INTERFACE 20

1665 R52 1

1666 INITVEL 2

1670 R31 PD 2

1672 S40.1 12

1706 ASTEER 22

1734 P40 8

1744 NOUN 1

1745 R60&M 1

1746 N93 1

1750 LAND 1

1752 LAND 2

1762 P50 ADT 2

1766 ASTEER 5

1706 L R S 2 4 . 1 40

1733 LRS22.1 LRS22.3 13

1750 LRS22.1 10

1762 P21 2

1764 ATT MANEUVERS R60-65 12

1766 P66 R.O.D. 14

1774 N63 2

1776 LAND RNG 2

1673 L R S 2 2 . 3 30

1750 LRS22.1 10

1762 P21 2

1764 ATT MANEUVERS R60-65 12

1766 P66 R.O.D. 14

1774 N63 2

1776 LAND RNG 2

1606 ALIGNMENT S40.2.3 18

1630 ASCENT 31

1655 ASTEER 6

1673 L R S 2 2 . 3 30

1733 LRS22.1 LRS22.3 13

1750 LRS22.1 10

1762 P21 2

1764 ATT MANEUVERS R60-65 12

1766 P66 R.O.D. 14

1774 N63 2

1776 LAND RNG 2

1630 ASCENT 31

1655 ASTEER 6

1673 L R S 2 2 . 3 30

1733 LRS22.1 LRS22.3 13

1750 LRS22.1 10

1762 P21 2

1764 ATT MANEUVERS R60-65 12

1766 P66 R.O.D. 14

1774 N63 2

1776 LAND RNG 2

1606 ALIGNMENT S40.2.3 18

1630 P22 34

1673 P21 18

1766 P66 R.O.D. 14

1774 N63 2

1776 LAND RNG 2

1606 LANDING 11

1621 LANDING P63-67 24

1652 LANDING 14

1670 R12 6

1676 LANDING - ANALOG DISPLAY - 32

1732 QTY 2