

TABLE 4: DATA ON DISCOVERER MISSIONS

| NAME | LAUNCH DATE | LAUNCH VEHICLE | LIFE (DAYS) | INCL (DEG.) | PERIOD (MIN.) | PERIGEE-APOGEE (MILES) |
|---------------|-------------|----------------|-------------|-----------------|---------------|------------------------|
| Discoverer 1 | 28 Feb 1959 | C Thor-Agena A | | 89.7 | 96 | 114-605 |
| Discoverer 2 | 13 Apr 1959 | C Thor-Agena A | | 89.9 | 90.4 | 149-216 |
| Discoverer 3 | 3 Jun 1959 | C Thor-Agena A | | failed to orbit | | |
| Discoverer 4 | 25 Jun 1959 | C Thor-Agena A | | failed to orbit | | |
| Discoverer 5 | 13 Aug 1959 | C Thor-Agena A | | 80.0 | 94.19 | 136-462 |
| Discoverer 6 | 19 Aug 1959 | C Thor-Agena A | | 84.0 | 95.27 | 133-530 |
| Discoverer 7 | 7 Nov 1959 | C Thor-Agena A | | 81.64 | 94.7 | 99-529 |
| Discoverer 8 | 20 Nov 1959 | C Thor-Agena A | | 80.65 | 103.72 | 117-1049 |
| Discoverer 9 | 4 Feb 1960 | C Thor-Agena A | | failed to orbit | | |
| Discoverer 10 | 19 Feb 1960 | C Thor-Agena A | | failed to orbit | | |
| Discoverer 11 | 15 Apr 1960 | C Thor-Agena A | | 80.1 | 92.16 | 106-368 |
| Discoverer 12 | 29 Jun 1960 | C Thor-Agena A | | failed to orbit | | |
| Discoverer 13 | 10 Aug 1960 | C Thor-Agena A | 1.11 | 82.85 | 94.04 | 161-427 |
| Discoverer 14 | 18 Aug 1960 | C Thor-Agena A | 1.12 | 79.65 | 94.55 | 116-503 |
| Discoverer 15 | 13 Sep 1960 | C Thor-Agena A | | 80.90 | 94.23 | 124-476 |
| Discoverer 16 | 26 Oct 1960 | C Thor-Agena B | | failed to orbit | | |
| Discoverer 17 | 12 Nov 1960 | C Thor-Agena B | 2.08 | 81.70 | 96.45 | 119-615 |
| Discoverer 18 | 7 Dec 1960 | C Thor-Agena B | 3.12 | 81.50 | 93.66 | 152-413 |
| Discoverer 19 | 20 Dec 1960 | C Thor-Agena B | | 83.40 | 93.00 | 131-394 |
| Discoverer 20 | 17 Feb 1961 | C Thor-Agena B | | 80.91 | 95.41 | 180-491 |
| Discoverer 21 | 18 Feb 1961 | C Thor-Agena B | | 80.74 | 97.85 | 150-668 |
| Discoverer 22 | 30 Mar 1961 | C Thor-Agena B | | failed to orbit | | |
| Discoverer 23 | 8 Apr 1961 | A Thor-Agena B | | 82.31 | 94.09 | 184-407 |
| Discoverer 24 | 8 Jun 1961 | A Thor-Agena B | | failed to orbit | | |
| Discoverer 25 | 16 Jun 1961 | C Thor-Agena B | 2.08 | 82.11 | 90.87 | 139-256 |
| Discoverer 26 | 7 Jul 1961 | C Thor-Agena B | 2.11 | 82.94 | 95.02 | 143-505 |
| Discoverer 27 | 21 Jul 1961 | A Thor-Agena B | | failed to orbit | | |
| Discoverer 28 | 3 Aug 1961 | C Thor-Agena B | | failed to orbit | | |
| Discoverer 29 | 30 Aug 1961 | C Thor-Agena B | 2.10 | 82.4 | 91.51 | 95-339 |

WH-1 9007
 WH-1 9002
 WH-1 9005
 WH-1 9005
 WH-1
 WH-1
 WH-1 9006
 WH-1 9007
 TM 9008
 WH-1 9009
 WH-1
 11
 12
 RM-1 MIDAS
 A.M.-2 MIDAS
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TABLE 4: DATA ON DISCOVERER MISSIONS

(Continued)

| NAME | LAUNCH DATE | LAUNCH VEHICLE | LIFE (DAYS) | INCL. (DEG.) | PERIOD (MIN.) | PERIGEE-APOGEE (MILES) |
|---------------|-------------|---|-------------|--------------|---------------|------------------------|
| Discoverer 30 | 12 Sep 1961 | Thor-Agena B 1113 ^{TOPIC I} | 2.12 | 82.66 | 92.40 | 147-341 |
| Discoverer 31 | 17 Sep 1961 | Thor-Agena B 1114 ^{TOPIC II} | | 82.70 | 90.86 | 147-248 |
| Discoverer 32 | 13 Oct 1961 | Thor-Agena B 1115 ^{TOPIC III} | 1.14 | 81.69 | 90.84 | 147-248 |
| Discoverer 33 | 23 Oct 1961 | Thor-Agena B | | | | failed to orbit |
| Discoverer 34 | 5 Nov 1961 | Thor-Agena B 1117 ^{TOPIC IV} | | 82.52 | 97.12 | 142-632 |
| Discoverer 35 | 15 Nov 1961 | Thor-Agena B | 1.12 | 81.63 | 89.7 | 149-174 |
| Discoverer 36 | 12 Dec 1961 | Thor-Agena B 1119 ^{TOPIC V} | 4.08 | 81.21 | 91.82 | 150-303 |
| Discoverer 37 | 13 Jan 1962 | Thor-Agena B 1120 ^{TAN I} | | | | failed to orbit |
| Discoverer 38 | 27 Feb 1962 | Thor-Agena B 1123 ^{WINDMILL} | 4.06 | 82.23 | 90.04 | 130-213 |
| Samos 6 | 21 Feb 1962 | Thor-Agena B 715/16 ^{TOPIC II} | 16 | 81.97 | 90.0 | 104-234 |
| Samos 7 | 15 Apr 1962 | Thor-Agena B ^{ELAP} | 40 | 73.48 | 90.9 | 125-276 |
| Samos 8 | 28 Apr 1962 | Thor-Agena B ^{TAN I} | 28 | 73.11 | 91.1 | 113-297 |
| Samos 9 | 30 May 1962 | Thor-Agena B | 12 | 74.10 | 89.7 | 124-199 |
| Samos 10 | 2 Jun 1962 | Thor-Agena B | 26.9 | 74.26 | 90.5 | 132-241 |
| Samos 11 | 23 Jun 1962 | Thor-Agena B | 14.7 | 75.09 | 89.58 | 133-183 |
| Samos 12 | 28 Jun 1962 | Thor-Agena D | 78 | 76.04 | 93.6 | 132-431 |
| Samos 13 | 21 Jul 1962 | Thor-Agena B | 24 | 70.29 | 90.42 | 126-238 |
| Samos 14 | 28 Jul 1962 | Thor-Agena B ^{MINUTEMAN I} | 27 | 71.09 | 90.64 | 141-241 |
| Samos 15 | 2 Aug 1962 | Thor-Agena D | 24 | 82.25 | 90.77 | 126-261 |
| Samos 16 | 29 Aug 1962 | Thor-Agena D | 12 | 65.21 | 90.38 | 117-250 |
| Samos 17 | 17 Sep 1962 | Thor-Agena B | 62.2 | 81.84 | 93.33 | 126-418 |
| Samos 18 | 29 Sep 1962 | Thor-Agena D | 14 | 65.40 | 90.30 | 125-235 |
| Samos 19 | 9 Oct 1962 | Thor-Agena B | 37.3 | 81.96 | 90.96 | 133-267 |
| Samos 20 | 5 Nov 1962 | Thor-Agena B | 27 | 74.98 | 90.71 | 126-255 |
| Samos 21 | 24 Nov 1962 | Thor-Agena B | 18 | 65.14 | 89.92 | 126-211 |
| Samos 22 | 4 Dec 1962 | Thor-Agena D | 3 | 65.1 | 89.16 | 121-171 |
| Samos 23 | 14 Dec 1962 | Thor-Agena D | 25 | 70.97 | 90.46 | 125-245 |
| Samos 24 | 7 Jan 1963 | Thor-Agena D | 16.3 | 82.23 | 90.54 | 126-250 |
| Samos 25 | 1 Apr 1963 | Thor-Agena D | 25 | 75.40 | 90.66 | 125-155 |
| Samos 26 | 26 Apr 1963 | Thor-Agena D | | | | failed to orbit |
| Samos 27 | 19 Jul 1963 | Thor-Agena D | 25.8 | 82.86 | 90.44 | 121-242 |
| Samos 28 | 29 Aug 1963 | Thor-Agena D | 69.7 | 81.89 | 90.80 | 183-203 |
| Samos 29 | 9 Nov 1963 | Thor-Agena D | | | | failed to orbit |
| Samos 30 | 27 Nov 1963 | Thor-Agena D | 17.3 | 69.99 | 90.2 | 109-242 |

CALENDAR YEAR: 1960

| PROGRAM | MSN NO. | BOOSTER | LAUNCH DATE | MSN DAYS | RECOVERY DATE | METHOD | REMARKS |
|-----------------|---------|---------|-------------|----------|----------------|--------|--|
| CORONA | 9006 | THOR | 4 FEB | 0 | NONE | | NO ORBIT, AGENA TUMBLED |
| CORONA | 9007 | THOR | 19 FEB | 0 | NONE | | RANGE SAFETY DESTROYED, THOR FAILED TO FLIGHT |
| CORONA | 9008 | THOR | 15 APR | 1 | NONE | | NO RECOVERY, NO SPIN ROCKET FIRE |
| DISCOVERER XII | | THOR | 29 JUN | 0 | NONE | | NO ORBIT, AGENA UNSTABLE, DIAGNOSTIC |
| DISCOVERER XIII | | THOR | 10 AUG | 1 | 11 AUG - WATER | | SUCCESS, FIRST RECOVERY, DIAGNOSTIC |
| CORONA | 9009 | THOR | 18 AUG | 1 | 19 AUG - AIR ✓ | | SUCCESS, FIRST AIR CATCH, FIRST CORONA SUCCESS |
| CORONA | 9010 | THOR | 13 SEP | 1 | NONE | | CAPSULE SUNK AFTER LONG RE-ENTRY |
| SAMOS | 2101 | ATLAS | 11 OCT | 0 | NONE | | NO ORBIT, IMBELLICAL PROBLEM |
| CORONA | 9011 | THOR | 26 OCT | 0 | NONE | | NO THOR-AGENA SEPARATION, FIRST AGENA-B |
| CORONA | 9012 | THOR | 12 NOV | 2 | 14 NOV - AIR ✓ | | SUCCESS, FIRST TWO DAY CORONA |
| CORONA | 9013 | THOR | 7 DEC | 3 | 10 DEC - AIR ✓ | | SUCCESS, FIRST THREE DAY CORONA |
| DISCOVERER XIX | | THOR | 20 DEC | 0 | N/A | | SUCCESS, DIAGNOSTIC FOR MIDAS, NO CAPSULE |

| PROGRAM | MSN NO. | BOOSTER | LAUNCH DATE | MSN DAYS | RECOVERY DATE | METHOD | REMARKS |
|----------------|---------|---------|-------------|----------|----------------|--------|--|
| SAMOS | 2102 | ATLAS | 31 JAN | 1 | N/A | | SUCCESS, PROVED READ-OUT FEASIBILITY. E-1/F-1 |
| ARGON | 9014-A | THOR | 17 FEB | 1 | NONE | | NO RECOVERY, PROGRAMMER FAILURE, FIRST ARGON |
| DISCOVERER XXI | | THOR | 18 FEB | 0 | N/A | | SUCCESS, DIAGNOSTIC FOR MIDAS, NO CAPSULE |
| CORONA | 9015 | THOR | 30 MAR | 0 | NONE | | NO ORBIT, AGENA FAILURE |
| [REDACTED] | | | | | | | |
| ARGON | 9016-A | THOR | 8 APR | 2 | NONE | | NO RECOVERY, LOST CONTROL GAS |
| ARGON | 9018-A | THOR | 8 JUN | 0 | NONE | | NO ORBIT, AGENA POWER AND GUIDANCE FAILURE |
| CORONA | 9017 | THOR | 16 JUN | 2 | 18 JUN - WATER | ✓ | SUCCESS |
| [REDACTED] | | | | | | | |
| CORONA | 9019 | THOR | 7 JUL | 2 | 9 JUL - AIR | ✓ | SUCCESS |
| [REDACTED] | | | | | | | |
| ARGON | 9020-A | THOR | 21 JUL | 0 | NONE | | RANGE SAFETY DESTROYED, THOR GUIDANCE FAILURE |
| CORONA | 9021 | THOR | 3 AUG | 0 | NONE | | NO ORBIT, AGENA CONTROL SYSTEM FAILURE |
| [REDACTED] | | | | | | | |
| CORONA | 9023 | THOR | 30 AUG | 2 | 1 SEP - WATER | ✓ | SUCCESS |
| [REDACTED] | | | | | | | |
| SAMOS | 2120 | ATLAS | 9 SEP | 0 | N/A | | EXPLODED JUST ABOVE PAD, ENGINE CUT-OFF. E-2 |
| CORONA | 9022 | THOR | 12 SEP | 2 | 14 SEP - AIR | ✓ | SUCCESS |
| [REDACTED] | | | | | | | |
| CORONA | 9024 | THOR | 17 SEP | 2 | NONE | | NO SEPARATION AT RECOVERY, LOST POWER AND GAS. |
| [REDACTED] | | | | | | | |
| [REDACTED] | | | | | | | |
| [REDACTED] | | | | | | | |

CALENDAR YEAR: 1961 (Cont)

| PROGRAM | MSN NO. | BOOSTER | LAUNCH DATE | MSN DAYS | RECOVERY DATE | METHOD | REMARKS |
|---------|---------|---------|-------------|----------|----------------|--------|------------------------------|
| CORONA | 9025 | THOR | 13 OCT | 1 | 14 OCT - AIR | ✓ | SUCCESS |
| CORONA | 9026 | THOR | 23 OCT | 0 | NONE | | NO ORBIT, AGENA FAILURE |
| CORONA | 9027 | THOR | 5 NOV | 2 | NONE | | CAPSULE DID NOT EJECT |
| CORONA | 9028 | THOR | 15 NOV | 1 | 16 NOV - AIR | ✓ | SUCCESS, CONTROL GAS LEAK |
| SAMOS | 2202 | ATLAS | 22 NOV | 0 | NONE | | NO ORBIT, ATLAS FAILURE, E-5 |
| CORONA | 9029 | THOR | 12 DEC | 4 | 16 DEC - WATER | ✓ | SUCCESS, FIRST 4 DAY MISSION |
| SAMOS | 2203 | ATLAS | 22 DEC | 2 | NONE | | NO RECOVERY, COMMAND FAILURE |

CALENDAR YEAR: 1962

| PROGRAM | MSN NO. | BOOSTER | LAUNCH DATE | MSN DAYS | RECOVERY DATE | METHOD | REMARKS |
|---------|---------|---------|-------------|----------|---------------|--------|--|
| CORONA | 9030 | THOR | 13 JAN | 0 | NONE | | NO ORBIT. AGENA FAILURE |
| CORONA | 9031 | THOR | 27 FEB | 4 | 3 MAR - AIR | ✓ | SUCCESS, FIRST CORONA MURAL, GOOD IMAGERY |
| SAMOS | 2204 | ATLAS | 7 MAR | 1 | NONE | | NO RECOVERY, LOST CONTROL GAS, E-6 |
| CORONA | 9032 | THOR | 17 APR | 2 | 19 APR - AIR | ✓ | SUCCESS, GOOD IMAGERY |
| SAMOS | 2401 | ATLAS | 26 APR | 1 | NONE | | NO RECOVERY, RETRO ROCKET FAILURE |
| CORONA | 9033 | THOR | 28 APR | 1 | NONE | | NO RECOVERY, CHUTE EJECTOR FAILED |
| ARGON | 9034-A | THOR | 15 MAY | 4 | 19 MAY - AIR | | NO IMAGERY, CAMERA FAILED |
| CORONA | 9035 | THOR | 29 MAY | 3 | 1 JUN - AIR | ✓ | SUCCESS, GOOD IMAGERY |
| CORONA | 9036 | THOR | 1 JUN | 4 | NONE | | AIRCRAFT TORE CHUTE, CAPSULE BURN IN 3 MINUTES |
| SAMOS | 2402 | ATLAS | 17 JUN | 1 | NONE | | NO RECOVERY, LOST CONTROL GAS, E-6 |
| CORONA | 9037 | THOR | 22 JUN | 3 | 25 JUN - AIR | ✓ | SUCCESS, GOOD IMAGERY |
| CORONA | 9038 | THOR | 27 JUN | 4 | 1 JUL - AIR | ✓ | SUCCESS, FIRST AGENA D |
| SAMOS | 2403 | ATLAS | 18 JUL | 4 | NONE | | NO RECOVERY, RETRO ROCKET FAILURE, E-6 |
| CORONA | 9039 | THOR | 20 JUL | 2 | 22 JUL - AIR | ✓ | SUCCESS FOR TWO DAYS, PROGRAMMER MALFUNCTION |
| CORONA | 9040 | THOR | 27 JUL | 4 | 31 JUL - AIR | ✓ | SUCCESS, ONLY FAIR IMAGERY |
| CORONA | 9041 | THOR | 1 AUG | 4 | 5 AUG - AIR | ✓ | SUCCESS, BEST CORONA TO DATE. |

CALENDAR YEAR: 1962 (Cont)

| PROGRAM | MSN NO. | BOOSTER | LAUNCH DATE | MSIN DAYS | RECOVERY DATE | METHOD | REMARKS |
|---|---------|---------|-------------|-----------|---------------|--------|---|
| SAMOS | 2404 | ATLAS | 5 AUG | 4 | None | | NO RECOVERY, CHUTE MALFUNCTION, E-6 |
| CORONA | 9044 | THOR | 29 AUG | 4 | 2 SEP - AIR | ✓ | SUCCESS, GOOD IMAGERY |
| ARGON | 9042-A | THOR | 1 SEP | 4 | None | | NO RECOVERY, SERVOIDS PARTED DURING AIR CATCH |
| CORONA | 9043 | THOR | 17 SEP | 2 | 19 SEP - AIR | ✓ | SUCCESS, AERNA MALFUNCTION |
|  | | | | | | | |
| CORONA | 9045 | THOR | 29 SEP | 4 | 3 OCT - AIR | ✓ | SUCCESS, FAIR IMAGERY |
| ARGON | 9046-A | THOR | 9 OCT | 4 | 13 OCT - AIR | | SUCCESS, FIRST SUCCESSFUL ARGON |
| CORONA | 9047 | THOR | 5 NOV | 4 | 9 NOV - AIR | ✓ | SUCCESS, GOOD IMAGERY |
| SAMOS | 2405 | ATLAS | 11 NOV | 4 | None | | NO RECOVERY, CHUTE MALFUNCTION, E-6, LAST SAMOS |
| CORONA | 9048 | THOR | 24 NOV | 5 | 29 NOV - AIR | ✓ | SUCCESS, FIRST 5 DAY CORONA |
|  | | | | | | | |
| CORONA | 9049 | THOR | 4 DEC | 5 | None | | NO RECOVERY, CHUTE TORE DURING AIR CATCH |
| CORONA | 9050 | THOR | 14 DEC | 4 | 18 DEC - AIR | ✓ | SUCCESS, BEST IMAGERY TO DATE |
|  | | | | | | | |

CALENDAR YEAR: 1963

| PROGRAM | MSN NO. | BOOSTER | LAUNCH DATE | MSN DAYS | RECOVERY DATE | METHOD | REMARKS |
|---------|---------|---------|-------------|----------|---------------|--------|--|
| CORONA | 9051 | THOR | 7 JAN | 5 | 12 JAN | WATER | SUCCESS. POROZON SENSOR CAUSED 1000 MT "LONG" RECOVERY |
| CORONA | 9052 | TAT | 28 FEB | 0 | NONE | | NO ORBIT, ONE SOLID FAILED, FIRST TAT |
| LANYARD | 8001 | TAT | 18 MAR | 0 | NONE | | NO ORBIT, AGENA FAILED, FIRST LANYARD |
| CORONA | 9053 | THOR | 1 APR | 3 | 4 APR | AIR | SUCCESS, EARLY RECOVERY, INVERTER MALFUNCTION |
| ALCON | 9055-A | THOR | 26 APR | 0 | NONE | | NO ORBIT, AGENA MALFUNCTION |
| LANYARD | 8002 | TAT | 18 MAY | 3 | 21 MAY | WATER | NO PHOTOS, CAMERA MALFUNCTION |
| CORONA | 9054 | TAT | 12 JUN | 4 | 16 JUN | AIR | SUCCESS |
| CORONA | 9056 | TAT | 26 JUN | 4 | 30 JUN | AIR | SUCCESS |
| CORONA | 9057 | TAT | 18 JUL | 4 | 22 JUL | AIR | SUCCESS, GOOD RESULTS |
| LANYARD | 8003 | TAT | 30 JUL | 2 | 1 AUG | AIR | CAMERA FAILED REV 22, LAST LANYARD |
| CORONA | 1001-1 | TAT | 24 AUG | 4 | 28 AUG | AIR | SUCCESS, GOOD PHOTOS, FIRST CORONA-J |

CALENDAR YEAR: 1963 (Cont)

| PROGRAM | MSN NO. | BOOSTER | LAUNCH DATE | MSN DAYS | RECOVERY DATE | METHOD | REMARKS |
|---------|---------|---------|-------------|----------|---------------|--------|--|
| CORONA | 1001-2 | TAT | 24 AUG | 0 | NONE | | INVERTER FAILED, FAILED TO RETURN FROM 12 DAY ZORITE |
| ARGON | 9058-A | THOR | 29 AUG | 4 | 2 SEP - AIR | | SUCCESS, GOOD PHOTOS |
| CORONA | 1002-1 | TAT | 23 SEP | 3 | 26 SEP - AIR | | SUCCESS, GOOD PHOTOS |
| CORONA | 1002-2 | TAT | 23 SEP | 0 | NONE | | UNABLE TO REACTIVATE FROM ZORITE MODE |
| ARGON | 9059-A | TAT | 29 OCT | 5 | 3 NOV - AIR | | SUCCESS, GOOD PHOTOS, FIRST ARGON WITH TAT |
| CORONA | 9060 | THOR | 9 NOV | 0 | NONE | | NO ORBIT, THOR FAILURE |
| CORONA | 9061 | THOR | 27 NOV | 5 | NONE | | CAPSULE SEPARATED, REMAINED IN ORBIT |
| CORONA | 9062 | TAT | 21 DEC | 5 | 26 DEC - AIR | | SUCCESS, GOOD PHOTOS, LAST CORONA MURAL |

CALENDAR YEAR: 1964

PROGRAM MSN NO. BOOSTER LAUNCH DATE MSN DAYS RECOVERY DATE METHOD REMARKS

| | | | | | | | |
|--------|--------|-----|--------|---|--------------|---|---------|
| CORONA | 1004-1 | TAT | 15 FEB | 3 | 18 FEB - AIR | ✓ | SUCCESS |
| CORONA | 1004-2 | TAT | 15 FEB | 4 | 22 FEB - AIR | ✓ | SUCCESS |

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| CORONA | 1003 | TAT | 24 MAR | 0 | NONE | | NO ORBIT, AGEMA FAILURE |
|--------|------|-----|--------|---|------|--|-------------------------|

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|--------|------|-----|--------|---|------|--|--|
| CORONA | 1005 | TAT | 27 APR | 0 | NONE | | DOORS NOT EJECTED, CAMERA MALFUNCTION, NO RECOVERY |
|--------|------|-----|--------|---|------|--|--|

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|--------|--------|-----|--------|---|--------------|---|---------|
| CORONA | 1006-1 | TAT | 4 JUN | 4 | 8 JUN - AIR | ✓ | SUCCESS |
| CORONA | 1006-2 | TAT | 4 JUN | 4 | 12 JUN - AIR | ✓ | SUCCESS |
| ARGON | 9065-A | TAT | 13 JUN | 6 | 19 JUN - AIR | | SUCCESS |

| | | | | | | | |
|--------|--------|-----|--------|---|--------------|---|---------|
| CORONA | 1007-1 | TAT | 19 JUN | 5 | 24 JUN - AIR | ✓ | SUCCESS |
| CORONA | 1007-2 | TAT | 19 JUN | 4 | 28 JUN - AIR | ✓ | SUCCESS |

CALENDAR YEAR: 1964 (Cont)

| PROGRAM | MSN NO. | BOOSTER | LAUNCH DATE | MSN DAYS | RECOVERY DATE | RECOVERY METHOD | REMARKS |
|------------|---------|---------|-------------|----------|---------------|-----------------|------------------------------------|
| CORONA | 1008-1 | TAT | 10 JUL | 3 | 13 JUL | AIR ✓ | SUCCESS |
| CORONA | 1008-2 | TAT | 10 JUL | 4 | 17 JUL | AIR ✓ | SUCCESS |
| CORONA | 1009-1 | TAT | 5 AUG | 3 | 8 AUG | AIR ✓ | SUCCESS |
| CORONA | 1009-2 | TAT | 5 AUG | 5 | 13 AUG | AIR ✓ | SUCCESS |
| [REDACTED] | | | | | | | |
| ARGON | 9066-A | TAT | 21 AUG | 6 | 27 AUG | AIR | SUCCESS, LAST ARGON |
| [REDACTED] | | | | | | | |
| CORONA | 1010-1 | TAT | 14 SEP | 3 | 17 SEP | AIR ✓ | SUCCESS |
| CORONA | 1010-2 | TAT | 14 SEP | 4 | 21 SEP | AIR ✓ | SUCCESS |
| [REDACTED] | | | | | | | |
| CORONA | 1011-1 | TAT | 5 OCT | 4 | 9 OCT | AIR ✓ | SUCCESS |
| CORONA | 1011-2 | TAT | 5 OCT | 3 | NONE | | NO RECOVERY, PRO BATTERY FAILURE |
| [REDACTED] | | | | | | | |
| CORONA | 1012-1 | TAT | 17 OCT | 3 | 20 OCT | AIR ✓ | SUCCESS |
| CORONA | 1012-2 | TAT | 17 OCT | 2 | 22 OCT | WATER ✓ | SUCCESS, "LIFEBOAT" SYSTEM USED |
| [REDACTED] | | | | | | | |
| CORONA | 1013-1 | TAT | 2 NOV | 4 | 6 NOV | AIR ✓ | SUCCESS |
| CORONA | 1013-2 | TAT | 2 NOV | 1 | 7 NOV | AIR | NO FILM IN BUCKET, PAYLOAD FAILURE |
| [REDACTED] | | | | | | | |
| [REDACTED] | | | | | | | |

CALENDAR YEAR: 1964 (Cont)

| PROGRAM | MSN NO. | BOOSTER | LAUNCH DATE | MSN DAYS | RECOVERY DATE | RECOVERY METHOD | REMARKS |
|---------|---------|---------|-------------|----------|---------------|-----------------|--|
| CORONA | 1014-1 | TAT | 18 NOV | 5 | 23 NOV | AIR ✓ | SUCCESS, FIRST FIVE DAY CORONA J |
| CORONA | 1014-2 | TAT | 18 NOV | 4 | 27 NOV | AIR ✓ | SUCCESS |
| CORONA | 1015-1 | TAT | 19 DEC | 5 | 24 DEC | AIR ✓ | SUCCESS, FIRST SUCCESSFUL ZOMERIS - TWO DAYS |
| CORONA | 1015-2 | TAT | 19 DEC | 4 | 26 DEC | AIR ✓ | SUCCESS |



CALENDAR YEAR: 1965

| PROGRAM | MSN NO. | BOOSTER | LAUNCH DATE | MSN DAYS | RECOVERY DATE | METHOD | REMARKS |
|---------|---------|---------|-------------|----------|---------------|--------|--|
| CORONA | 1016-1 | TAT | 15 JAN | 5 | 20 JAN | AIR ✓ | SUCCESS |
| CORONA | 1016-2 | TAT | 15 JAN | 5 | 25 JAN | AIR | SUCCESS, FIRST TEN DAY CORONA-J |
| CORONA | 1017-1 | TAT | 25 FEB | 5 | 2 MAR | AIR ✓ | SUCCESS |
| CORONA | 1017-2 | TAT | 25 FEB | 4 | 6 MAR | AIR | SUCCESS, MAJOR BREAKTHROUGH IN FILM USE VS WEATHER. 75% CLOUD FREE |
| CORONA | 1018-1 | TAT | 25 MAR | 4 | 29 MAR | AIR ✓ | SUCCESS |
| CORONA | 1018-2 | TAT | 25 MAR | 2 | 31 MAR | AIR | FAILED AFTER TWO DAYS, POWER LOSS |
| CORONA | 1019-1 | TAT | 29 APR | 5 | 4 MAY | AIR ✓ | SUCCESS |
| CORONA | 1019-2 | TAT | 29 APR | 4 | | NONE | NO RECOVERY, AGENA FITCH FAILURE |
| CORONA | 1021-1 | TAT | 18 MAY | 5 | 23 MAY | AIR ✓ | SUCCESS, MAPPING MISSION |
| CORONA | 1021-2 | TAT | 18 MAY | 5 | 28 MAY | AIR | SUCCESS, CAMERA FAILED REV 102 |
| CORONA | 1020-1 | TAT | 9 JUN | 6 | 15 JUN | AIR ✓ | SUCCESS |
| CORONA | 1020-2 | TAT | 9 JUN | 1 | 16 JUN | AIR | VEHICLE UNSTABLE, LOST CONTROL GAS |

CALENDAR YEAR: 1965 (Cont)

PROGRAM MSN NO. BOOSTER LAUNCH DATE MSN RECOVERY DATE METHOD REMARKS

| PROGRAM | MSN NO. | BOOSTER | LAUNCH DATE | MSN DAYS | RECOVERY DATE | METHOD | REMARKS |
|---------|---------|---------|-------------|----------|---------------|--------|-----------------------------------|
| CORONA | 1027-1 | TAT | 9 DEC | 1 | 10 DEC | AIR ✓ | UNSTABLE REV 16, CONTROL GAS LEAK |
| CORONA | 1027-2 | TAT | 9 DEC | 1 | 11 DEC | AIR | NO FILM, UNSTABLE |
| CORONA | 1028-1 | TAT | 24 DEC | 5 | 29 DEC | AIR ✓ | SUCCESS |
| CORONA | 1028-2 | TAT | 24 DEC | 5 | 3 JAN 66 | AIR | SUCCESS |

CALENDAR YEAR: 1966

| PROGRAM | MSN NO. | BOOSTER | LAUNCH DATE | MSN DAYS | RECOVERY DATE | METHOD | REMARKS |
|---------|---------|---------|-------------|----------|---------------|--------|----------------------------------|
| CORONA | 1029-1 | TAT | 2 FEB | 5 | 7 FEB | AIR | SUCCESS |
| CORONA | 1029-2 | TAT | 2 FEB | 5 | 12 FEB | AIR | SUCCESS |
| CORONA | 1030-1 | TAT | 9 MAR | 5 | 14 MAR | AIR | SUCCESS |
| CORONA | 1030-2 | TAT | 9 MAR | 5 | 19 MAR | AIR | SUCCESS |
| CORONA | 1031-1 | TAT | 7 APR | 7 | 14 APR | AIR | SUCCESS |
| CORONA | 1031-2 | TAT | 7 APR | 4 | 18 APR | AIR | SUCCESS |
| CORONA | 1032 | TAT | 3 MAY | 0 | NONE | | NO ORBIT. AGENA DID NOT SEPARATE |
| CORONA | 1033-1 | TAT | 23 MAY | 5 | 28 MAY | AIR | SUCCESS |
| CORONA | 1033-2 | TAT | 23 MAY | 7 | 1 JUN | AIR | SUCCESS |
| CORONA | 1034-1 | TAT | 21 JUN | 5 | 26 JUN | AIR | SUCCESS |
| CORONA | 1034-2 | TAT | 21 JUN | 5 | 1 JUL | AIR | SUCCESS |

CALENDAR YEAR: 1966 (Cont.)

| PROGRAM | MSN NO. | BOOSTER | LAUNCH DATE | MSN DAYS | RECOVERY DATE | RECOVERY METHOD | REMARKS |
|---------|---------|---------|-------------|----------|---------------|-----------------|----------------------------------|
| CORONA | 1036-1 | THEORAD | 9 AUG | 7 | 16 AUG | AIR | SUCCESS, FIRST THEORAD |
| CORONA | 1036-2 | THEORAD | 9 AUG | 6 | 22 AUG | AIR | SUCCESS, FIRST 13-DAY CORONA |
| CORONA | 1035-1 | TAT | 21 SEP | 5 | 26 SEP | AIR | SUCCESS. THIS WAS 100th RECOVERY |
| CORONA | 1035-2 | TAT | 21 SEP | 4 | 30 SEP | AIR | SUCCESS |
| CORONA | 1037-1 | TAT | 8 NOV | 4 | 12 NOV | AIR | SUCCESS |
| CORONA | 1037-2 | TAT | 8 NOV | 8 | 20 NOV | AIR | SUCCESS |

CALENDAR YEAR: 1967

| PROGRAM | MSN NO. | BOOSTER | LAUNCH DATE | MSN DAYS | RECOVERY DATE | METHOD | REMARKS |
|---------|---------|---------|-------------|----------|---------------|--------|----------------------------|
| CORONA | 1038-1 | TAT | 14 JAN | 5 | 19 JAN | AIR | SUCCESS |
| CORONA | 1038-2 | TAT | 14 JAN | 7 | 26 JAN | AIR | SUCCESS |
| CORONA | 1039-1 | TAT | 22 FEB | 5 | 27 FEB | AIR | SUCCESS |
| CORONA | 1039-2 | TAT | 22 FEB | 6 | 5 MAR | AIR | SUCCESS |
| CORONA | 1040-1 | TAT | 30 MAR | 5 | 4 APR | AIR | SUCCESS |
| CORONA | 1040-2 | TAT | 30 MAR | 4 | 8 APR | AIR | SUCCESS |
| CORONA | 1041-1 | THORAD | 9 MAY | 6 | 15 MAY | AIR | SUCCESS |
| CORONA | 1041-2 | THORAD | 9 MAY | 9 | 24 MAY | AIR | SUCCESS |
| CORONA | 1042-1 | THORAD | 16 JUN | 6 | 22 JUN | AIR | SUCCESS |
| CORONA | 1042-2 | THORAD | 16 JUN | 9 | 1 JUL | WATER | SUCCESS. PARACHUTE FAILURE |

CALENDAR YEAR: 1967 (Cont)

| PROGRAM | MSN NO. | BOOSTER | LAUNCH DATE | MSN DAYS | RECOVERY DATE | RECOVERY METHOD | REMARKS |
|---------|---------|---------|-------------|----------|---------------|-----------------|---|
| CORONA | 1043-1 | THORAD | 8 AUG | 6 | 14 AUG | AIR | SUCCESS. FILM PULLED OUT OF ROLLS |
| CORONA | 1043-2 | THORAD | 8 AUG | 8 | 22 AUG | AIR | SUCCESS |
| CORONA | 1101-1 | THORAD | 15 SEP | 6 | 21 SEP | AIR | SUCCESS. FIRST J-3 |
| CORONA | 1101-2 | THORAD | 15 SEP | 7 | 28 SEP | AIR | SUCCESS |
| CORONA | 1044-1 | THORAD | 2 NOV | 7 | 9 NOV | AIR | SUCCESS |
| CORONA | 1044-2 | THORAD | 2 NOV | 3 | 12 NOV | AIR | SUCCESS. LOOSE SOLDER CAUSED EARLY RECOVERY |
| CORONA | 1102-1 | THORAD | 9 DEC | 7 | 16 DEC | AIR | SUCCESS |
| CORONA | 1102-2 | THORAD | 9 DEC | 7 | 23 DEC | AIR | SUCCESS |

CALENDAR YEAR: 1968

PROGRAM MSN NO. BOOSTER LAUNCH DATE MSN DAYS RECOVERY DATE METHOD REMARKS

[REDACTED]

1015

| | | | | | | | |
|--------|--------|--------|--------|---|-------|-----|---------|
| CORONA | 1045-1 | THORAD | 24 JAN | 7 | 1 FEB | AIR | SUCCESS |
| CORONA | 1045-2 | THORAD | 24 JAN | 7 | 7 FEB | AIR | SUCCESS |

[REDACTED]

| | | | | | | | |
|--------|--------|--------|--------|---|--------|-----|-------------------------------|
| CORONA | 1046-1 | THORAD | 14 MAR | 7 | 21 MAR | AIR | SUCCESS |
| CORONA | 1046-2 | THORAD | 14 MAR | 8 | 29 MAR | AIR | SUCCESS. FIRST 15 DAY MISSION |

SUCCESS. FIRST 15 DAY MISSION

[REDACTED]

| | | | | | | | |
|--------|--------|--------|-------|---|--------|-----|---------|
| CORONA | 1103-1 | THORAD | 1 MAY | 7 | 8 MAY | AIR | SUCCESS |
| CORONA | 1103-2 | THORAD | 1 MAY | 7 | 15 MAY | AIR | SUCCESS |

[REDACTED]

| | | | | | | | |
|--------|--------|--------|--------|---|--------|-----|---------|
| CORONA | 1047-1 | THORAD | 20 JUN | 8 | 28 JUN | AIR | SUCCESS |
| CORONA | 1047-2 | THORAD | 20 JUN | 7 | 5 JUL | AIR | SUCCESS |

[REDACTED]

CALENDAR YEAR: 1968

(Cont)

| PROGRAM | MSN NO. | BOOSTER | LAUNCH DATE | MSN DAYS | RECOVERY DATE | METHOD | REMARKS |
|---------|---------|---------|-------------|----------|---------------|--------|--|
| CORONA | 1104-1 | THORAD | 7 AUG | 7 | 14 AUG | AIR | SUCCESS |
| CORONA | 1104-2 | THORAD | 7 AUG | 8 | 22 AUG | AIR | SUCCESS |
| CORONA | 1048-1 | THORAD | 18 SEP | 9 | 27 SEP | AIR | SUCCESS |
| CORONA | 1048-2 | THORAD | 18 SEP | 5 | 2 OCT | AIR | SUCCESS |
| CORONA | 1105-1 | THORAD | 3 NOV | 8 | 11 NOV | AIR | SUCCESS |
| CORONA | 1105-2 | THORAD | 3 NOV | 10 | 21 NOV | AIR | SUCCESS. FIRST 18 DAY MISSION |
| CORONA | 1049-1 | THORAD | 12 DEC | 6 | 18 DEC | AIR | SUCCESS |
| CORONA | 1049-2 | THORAD | 12 DEC | 5 | 23 DEC | AIR | SUCCESS. BATTERY FAILURE. CURTAILED MISSION BY 2 DAYS. |

Calendar Year: 1969 (Cont)

| Program | Msn No | Booster | Launch Date | Msn Days | Recovery Date | Method | Remarks |
|---------|--------|---------|-------------|----------|---------------|--------|----------|
| Corona | 1052-1 | Thorad | 22 Sep | 7 | 29 Sep | Air | Success. |
| " | 1052-2 | " | " | 8 | 7 Oct | Air | Success. |
| Corona | 1108-1 | Thorad | 4 Dec | 7 | 11 Dec | Air | Success. |
| " | 1108-2 | " | " | 10 | 21 Dec | Air | Success. |