

Catalogue of Manmade Material on the Moon

NASA History Program Office

7-05-12

For the past half-century, the Moon has been the destination of some of humankind's most monumental and challenging expeditions. As the Moon becomes more accessible to both national space programs and private enterprise, it is important that we protect lunar artifacts for both their historic and scientific value. The first step in preserving these artifacts is establishing exactly what is there and where it is. This resource offers a comprehensive catalogue of human artifacts on the Moon based on the currently available data.

U.S. Material (Non-Apollo)

OBJECT	LOCATION
Ranger 4	-15.5 ° N, -130.7 E
Ranger 6	9.388 ° N, 21.480 ° E
Ranger 7	-10.63 ° N, -20.60 ° E
Ranger 8	2.638 ° N, 24.787 ° E
Ranger 9	112.828 ° N, -2.387 ° E
Surveyor 1	-2.474 ° N, -43.339 ° E
Lunar Orbiter 1	6.70 ° N, 162 ° E
Surveyor 2	5.5 ° N, -12 ° E
Lunar Orbiter 2	3.0 ° N, 119 ° E
Lunar Orbiter 3	14.3 ° N, -97.7 E
Surveyor 3	-3.015 ° N, -23.418 ° E
Lunar Orbiter 4	Crashed
Surveyor 4	UNKNOWN
Explorer 35 (IMP-E)	UNKNOWN
Lunar Orbiter 5	-3 ° N, -83 ° E
Surveyor 5	1.461 ° N, 23.195 ° E
Surveyor 6	0.473 ° N, -1.427 ° E
Surveyor 7	-40.980 ° N, -11.509 ° E
Explorer 49 (RAE-B)	UNKNOWN
Lunar Prospector	UNKNOWN
LCROSS Shepherding Spacecraft	-84.72 ° N, -49.62 ° E (South Pole)
LCROSS Centaur	-84.9 ° N, -35.5 ° E (South Pole)

U.S. Material (Apollo)

OBJECT	LOCATION
<i>Apollo 11 - Landing Location: 0.41 ° N, 23.26 ° E</i>	
Passive Seismic Experiment	
Gold Olive Branch	
Flag Kit	
Apollo 1 Patch (Honoring deceased astronauts Grissom, White, Chaffee)	
Cosmonaut Medals (Honoring deceased cosmonauts Gagarin, Komarov)	
Moon Memorial Disc	
Ascent Stage	UNKNOWN
Laser Range Reflector	0.67337 ° N, 23.47293 ° E
LM Descent Stage (plaque attached)	0.67408 ° N, 23.47297 ° E
Filter, Polarizing	
Portable Life Support System(PLSS)	
Remote Control Unit (PISS)	
Defecation Collection Device	
Overshoes , Lunar	
Covers, pga Gas Connector	
Kit, Electric waist, Tether	
Bag, Assy, Lunar equip. conveyor & waist teth	
Conveyor assy., Lunar Equipment	
Bag, Deployment, Life Line	
Bag, Deployment, Lunar equip. conveyor	
Life Line, lightweight	
Tether waist, EVA	
Tether waist, EVA	
Food Assembly, LM (4 man days)	
TV subsystem, Lunar	
Camera , Lunar TV	
Lens, TV wide angle	
Lens, TV Lunar, day	
Cable assembly, TV (100 ft.)	
Adapter, SRC/OPS	
Cannister, ECS LIOR	
Urine collection assembly, small	
Urine collection assembly, large	
Bag, Emesis	
container assembly , Disposal	
Filter, Oxygen bacterial	
Container, PLSS Condensate	
Antenna, S-Band	
Cable, S-Band antenna	
Bag, Lunar Equipment Transfer	
Pallet assembly #1	

Passive seismic experiment	
Central Station	
Pallet Assembly #2	
Primary structure assembly	
Hammer	
Scoop, Lunar sample-large	
Extension handle	
Tongs	
Gnomon (Excludes mount)	

OBJECT	LOCATION
<i>Apollo 12 - Landing Location -3.11 ° N, -23.23 ° E</i>	
Passive Seismic Experiment	
Lunar Surface Magnetometer	
Solar Wind Spectrometer	
Suprathermal Ion Detector/Cold Cathode Gauge (SIDE/CCGE)	
Radioisotope Thermal Generator	
Flag Kit	
Surveyor 3	
LM Ascent Stage	-3.94 ° N, -21.20 ° E
Central Station	-3.00942 ° N, -23.42458 ° E
LM Descent Stage (plaque attached)	-3.01239 ° N, -23.42157 ° E
Camera, Lunar Surface, Electric Hassa1b1ad	
Lens , 60mm	
Adapter. Rt. Ang1e,16mm camera	
Cable, Remote Control, 16mm camera	
Protective cover, Reseau	
Trigger, Electric Hassa1b1ad Camera	
Handle, Electric Hassa1b1ad Camera	
Tether , EVA Retractable	
cutter, Surveyor	
Remote Control Unit-PLSS	
Bracket, Camera mount	
cartridge/ Canister, PLSS LIOH	
Battery, PLSS	
Defecation Collection Device	
Overshoes, Lunar (PR)	
Kit, Lec -Waist tether (a)	
Conveyor assembly, Lunar equipment	
Deployment Bag, Lunar equipment conveyor	
PLSS/EVCS Assembly (b)	
PLSS/EVCS Assembly (c)	
Collection bag, Calibrated, PLSS Feedwater w/sca1e	
Collection bag, Ca1ib. PLSS Feedwater w/o scale	
Safety Line, Lunar Surface	
Towels, LM utility (Red)	
Towels, LM utility (Blue)	
TV System, LM Color	
Camera, LM Color TV	
Zoom lens, LM TV	
Cable, LM TV Adapter	
Earplugs	
Adapter, SRC/OPS	
Interim Stowage Assembly	

Canister, ECS LIOH	
Urine Collection Assembly (Small)	
Bag, Emesis	
Container Assembly, Disposal	
Container assembly, Disposal	
Container, PISS Condensate	
Antenna, S-Band	
Tripod, TV	
Strap, ECS LIOH Canister	
Bag, Camera Mount Bracket	
Hammock Assembly	
Bracket, Installation Color TV Camera	
Mounting Assembly RTG Fuel Cask	
Fuel Cask	
Fuel Capsule assembly	
Prime ALSEP Pallet assembly #1 (d)	
Prime ALSEP pallet assembly #2 (e)	
Hammer	
Scoop, Lunar Sample	
Extension Handle	
Tongs	
Gnomon	
Hook, Tether	
Camera, Close-up stereo	
Contrast Target	
Color Chart	
(d)LS Magnetometer experiment	
(d) Passive seismic experiment	
(d) Solar wind experiment	
(e) Radioisotope thermoelectric gen. expo	
(e) Subtherma1 ion detector/COGE expo	
(e) PSE leveling stool	
(e) Lunar geological hand tool carrier w/tools	
Filter, polarizing	
(a) Bag, assembly, Lec+ Wt.*303	
(b)PLSS	
(b)EVCS-1	
(c)PLSS	
(c)EVCS-2	
Astronaut Wings (C.C. Williams, Alan Bean)	
Automatic Timer for Hasselblad	

OBJECT	LOCATION
<i>Apollo 13</i>	

S-IVB	-2.553 ° N, 27.887 ° E
OBJECT	LOCATION
<i>Apollo 14 - Landing Location -3.40 ° N, -17.28 ° E</i>	
S-IVB	-8.179 ° N, 26.031 ° E
Passive Seismic Experiment	
Active Seismic Experiment	
Lunar Portable Magnetometer	
Suprathermal Ion Detector/Cold Cathode Gauge (SIDE/CCGE)	
Charged Particle Lunar Environment Experiment (CPLLEE)	
Radioisotope Thermal Generator	
Modular Equipment Transporter	
LM Ascent Stage	-3.42 ° N, -19.67 ° E
Central Station	-3.64398 ° N, -17.47748 ° E
Laser Range Reflector	-3.64421 ° N, -17.47880 ° E
LM Descent Stage (plaque attached)	-3.64530 ° N, -17.47136 ° E
Filter, Polarizing	
Adapter, Bracket, Rt. Angle, 16mm Camera	
Camera, Lunar Surface, Electric Hasselblad	
Lens, 60mm	
Cable, Remote control, 16mm camera	
Protective cover, Reseau	
Trigger, Electric Hasselblad camera	
Handle, Electric Hasselblad camera	
Tether, EVA retractable	
Checklist, EVA cuff	
Brush, lens	
Camera/Power pack Assy., 16mm L.S.	
Camera , 16mm, battery operated	
5mm lens, 16mm battery operated camera	
Handle , 16mm battery operated camera	
Power pack, 16mm battery operated camera	
RCU bracket, 16mm battery operated camera	
Remote control unit- PLSS (-6)	
Bracket, Camera mount (-6)	
Cartridge/Canister, PLSS/LIOH (-6)	
Battery, PLSS (-6)	
Defecation Collection Device	
Boots, Lunar, pro	
PLSS/EVCS assembly	
PLSS/EVCS assembly	
Collection bag, calibrated, PLSS feedwater	
Collection bag, Calibr., PLSS feedwater w/o scale	
Bag, Jettison stowage	
Safety line , Lunar surface (100 feet)	

Towels, LM utility (Red)	
Towels, LM utility (Blue)	
Brush , Lunar dust	
Bag, Lunar surface safety line	
Device, in-suit, drinking	
Buddy SLSS Assembly	
TV subsystem, Lunar (subsystem includes (a))	
TV System, LM color (system includes (b))	
Camera, Close-up stereo	
Flag kit, Lunar surface	
Transporter, Mobile equipment (MET)	
Earplugs	
Adapter, SRC/Ops	
Canister, ECS LIOH	
urine collection assembly, small	
Bag, Emesis	
container assembly, Disposal	
Container, PLSS condensate	
Antenna, S-band	
Tripod , TV	
strap, ECS LIOH canister	
Bag, Camera mount bracket	
Hammock Assembly	
Hammock Assembly	
Container , Buddy SLSS assembly-stowage	
Bag , 16mm camera- stowage	
Foam side	
Foam side	
Strap assembly	
Webbing, Tiedown-contingency	
Pallet assembly, magnetometer	
strap assembly	
Mounting assembly Rtg. fuel cask	
Fuel cask	
Fuel capsule assembly	
Pallet assembly No.1 (includes (c))	
Pallet assembly No.2 (includes (d))	
Hammer	
Scoop, lunar sample (Large)	
Tool , extension	
Tongs	
Gnomon	
Tool assembly, Trenching-Adjustable	
Scale, sample	
Magnetometer, Lunar portable	

Reflect or, Laser ranging retro	
ASE cable anchor (Apollo sample penetrometer)	
(a) Camera, Lunar TV	
(a) Lens, TV lunar day)	
(a) Cover, dust , lens	
(a) Cover, connector, dust	
(b) Camera, LM color TV	
(b) Zoom lens , LM color TV	
(b) Cable, LM color TV	
(b) Cover, LM TV lens	
(c) Active seismic experiment	
(c) Passive seismic experiment	
(c) Charged particle lunar environment exp.	
(d) Radioisotope thermoelectric gener. exp.	
(d) Suprthml ion detect ./cold cathode gageexp	
(d) PSE leveling stool	
(d) Lunar geol. expo tool carrier w/tools	
(d) ALSEP deployment tools	
Kit, LEC- waist tether	
Bag assy., Lunar equip. conveyer & waist teth	
Conveyer assy., lunar equipment	
Bag, deployment, lunar equipment conveyer	
Golf balls (2)	
Javelin	

OBJECT	LOCATION
<i>Apollo 15 - Landing Location 26.6 ° N, 3.39 ° E</i>	
S-IVB	-1.288 ° N, -11.824 ° E
Apollo 15 Subsatellite (PFS-2)	UNKNOWN
Passive Seismic Experiment	
Lunar Surface Magnetometer	
Solar Wind Spectrometer	
Suprathermal Ion Detector/Cold Cathode Gauge (SIDE/CCGE)	
Heat Flow Experiment	
Hammer and Feather	
Fallen Astronaut sculpture/plaque	
Ascent Stage	26.36 ° N, 0.25 ° E
Central Station	26.13407 ° N, 3.62981 ° E
Laser Range Reflector	26.13333 ° N, 3.62837 ° E
LM Descent Stage (plaque attached)	26.13222 ° N, 3.63386 ° E
Filter, Polarizing	
Camera , Hasselblad- Electric Data	
Lens, 60mm	
Protective Cover, Reseau	
Trigger, Hasselblad Electric Data	
Handle, Hasselblad- Electric Data	
Tether, EVA retractable (CDR)	
Brush, Lens	
Camera/Power Pack Assembly, 16mm L.S.	
Camera, 16mm battery operated	
Lens, 10mm 16mm battery operated camera	
Handle, 16mm battery operated camera	
Power Pack, 16mm battery operated camera	
RCU Bracket, 16mm battery operated camera	
Tether, EVA Retractable (LMP)	
Camera, L.S. Electric	
Lens, 500mm	
Ringsight	
Garment , Constant wear	
Garment , Liquid cooled	
Remote Control Unit-PLSS (-7)	
Bracket, Camera mount (-7)	
Cartridge Container assembly, PLSS/LIOH	
container assy., protective-PLSS LIOH	
Cartridge, PLSS LIOH	
Battery , PLSS (-7)	
Boots, Lunar-pr	
Bag Assembly, LEC+WT	
Conveyor assembly, Lunar equipment	

Bag, Deployment, LEC	
PLSS/EVCS Assembly (wet) (includes (a))	
PLSS/EVCS Assembly (wet) (includes (b))	
Bag, Jettison stowage	
LCG Adapter	
Jacket, Assembly, ICG	
Trouser Assembly, ICG	
Boot, Right ICG	
Boot, Left, ICG	
Safety Line, Lunar Surface (100 ft.)	
Towels, LM utility (Red)	
Towels, LM utility (Blue)	
Brush, Lunar Dust	
Bag, Lunar Surface safety Line	
Buddy SLSS Assembly	
Sleeping Restraint Assembly	
Tool Carrier, PLSS (CDR)	
Tool carrier, PLSS (LMP)	
Strap, LCRU Retainer	
Helmet and LEVA Interim Stowage Container Assy	
Food Assy. LM(A/S)	
Food Assy. LM (D/S pallet)	
Food Assembly LM (D/S pallet NO. 3)	
Wet Wipes , Facial	
GCTA- Ground Controlled TV assy. (includes (c))	
Communication Relay System (includes (d))	
Lunar Roving Vehicle (LRV)	
Tool , Deployment- LRV	
Flag Kit, Lunar Surface	
Staff, 16mm camera	
Holder , Map-LRV	
Bag, Stowage-Gnomon	
Adapter Assy., -20 DSBD 70mm Hasselblad	
Adapter, SCR/OPS	
Cannister, ECS LIOH	
Urine collection assy., (small)	
Bag , Emesis	
Tripod, TV	
strap, ECS LIOH Cannister	
strap, LIOH	
Urine receptacle system	
Pallet assembly No. 1, Equipment Transfer	
Pallet Assembly No.2, Equipment Transfer	
Pallet Assembly No.4, Equipment Transfer	
Hammock Assembly	

Hammock Assembly	
Container, Buddy SLSS assembly stowage	
Foam Side	
Foam Side	
Strap Assembly	
Pallet, LRV Aft Chassis	
Pallet, Quad 3- Payload	
Webbing, Tiedown- contingency	
Vise Device, Drill string	
Bag, stowage- 70mm magazine	
Cannister, ECS LIOH	
Strap Assembly, Sleep Restraint	
Mounting Assembly, RTG Fuel Cask	
Fuel cask	
Fuel capsule assembly	
Pallet Assembly No. 1	
Experiment, passive seismic	
Experiment, solar wind	
Experiment, dust detector	
Pallet Assembly No. 2	
Experiment, heat flow	
Stool, PSE leveling	
Generator, radioisotope	
Tools ALSEP deployment	
Side/CCGE	
Tool, Extension	
Tongs, 32 inch	
Gnomon	
Lunar Geology Exp. Tool Carrier with tools	
Scoop, Adjustable Sampling	
Hammer	
Drill Assembly, Apollo L.S.	
Penetrometer Assembly, Self Recording	
Accessory Holder assy., Penetrometer (includes (e))	
Rake, Lunar Sampling	
(a) PLSS	
(a) EVCS-1	
(a) Battery, PLSS	
(a) cartridge, LIOH	
(b) PLSS	
(b) EVCS-2	
(b) Battery, PLSS	
(b) Cartridge, LIOH	
(c) CTV camera, color TV	
(c) TV control unit	

(d) Lunar communication relay unit (LCRU)	
(d) Stowage contain., LCRU ancillary items)	
(d) Batteries , LCRU	
(d) Hi gain antenna assembly	
(d) Lo gain antenna assembly	
(e) Large base assembly	
(e) Cone, .2	
(e) Cone, .5	
(e) Cone assembly, 1.0	
(e) Cover assembly	
Kit., Lee-waist, tether	
U.S. Marine Corps flag	
Falcon feather	
Portrait of James Irwin	
Bible (left on LRV Dashboard by James Irwin)	
Microfilm roll containing Apollo 11 Manned Flight Awareness booklet	
100 2-dollar bills	
Personal Preference Kits left in Lunar Module	
Document proclaiming "University of Michigan Alumni of the Moon"	

OBJECT	LOCATION
<i>Apollo 16 - Landing Location -8.973 ° N, 15.31 ° E</i>	
Apollo 16 Subsatellite (PFS-2)	Lunar Far Side
Ascent Stage	UNKNOWN
Passive Seismic Experiment	
Active Seismic Experiment	
Lunar Surface Magnetometer	
Radioisotope Thermal Generator	
Lunar Roving Vehicle	
Far Ultraviolet Camera/Spectrograph	
Central Station	-8.97537 ° N, 15.49812 ° E
LM Descent Stage (plaque attached)	-8.97301 ° N, 15.50019 ° E
Filter, Polarizing	
Camera , Hasselblad-Electric Data	
Lens , 60mm	
Protective cover, Reseau	
Trigger, Hasselblad-Electric Data	
Handle, Hasselblad- Electric Data	
Tether EVA Retractable (CDR)	
Brush , Lens	
Camera/Power pack Assy. 16mm L.S. (includes (a))	
Tether, EVA Retractable -(LMP)	
utility Towel Assy. LM	
Defecation Collection Device	
Boots, Lunar Pr.	
Life Line, Lunar Equip. (LELL)	
PLSS/EVCS Assy.-LMP (includes (b))	
PLSS/EVCS Assy., CDR (includes (c))	
Bag, Jettison stowage	
Dispenser, Tissue	
LCG Adapter	
Jacket Assy., ICG	
Trouser Assy., ICG	
Boot, Right , ICG	
Boot, Left, ICG	
Towels, 1M utility (Red)	
Towels, 1M Utility (Blue)	
Brush, Lunar Dust	
Buddy SLSS Assy.	
Sleeping Restraint Assy.	
Tool Carrier, PLSS (CDR)	
Tool Carrier, PLSS (UHP)	
strap , LCRU Retainer	
Helmet and LEVA Interim stowage container Assy.	

Food Assy. LM (A/S)	
In-suit Beverage Assy.	
In-suit Food Bar Assy.	
Food Assy., LM (0/5 Pallet No. 1)	
Food Assy., LM (0/5 Pallet No. 2)	
Wet Wipes, Facial	
GCTA- Ground Controlled TV Assy. (includes (d))	
Communication Relay System (includes (e))	
Lunar Roving Vehicle	
Flag Kit, Lunar Surface	
Staff, 16mm Camera	
Holder, Map LRV	
Adapter Assy., 20 DSBD 70mm Hasselblad, *- 303B	
Staff Loop Assy., 16mm Camera	
Staff Loop Assy., Low Gain	
Sunshade, GCTA	
Adapter, SRC/Ops	
Canister, ECS LIOH	
Urine Collection Assy. (Small)	
Bag, Emesis	
Bag, Equipt. Transfer	
Tripod, TV	
strap, ECS LIOH Canister	
strap LIOH	
Urine, Receptacle system	
Pallet Assy. No. 1, Equipment Transfer	
Pallet Assy. No. 2, Equipment Transfer	
Pallet Assy. No. 4, Equipment Transfer	
Hammock Assembly	
Hammock Assembly	
Container, Buddy SLSS Assy., stowage	
Pallet, LRV Aft Chassis	
Pallet, Quad 3- Payload	
Webbing, Tie-down contingency	
Vise Device, Drill string	
Bag, stowage. 500mm system	
Canister, ECS LIOH	
strap Assy., Sleep Restraint	
container, Bore/core stem stowage	
cover, Bore/Core Stem stowage	
Retainer Assy., Lower	
Retainer Assy., Upper	
Cover Assy., Retainer	
Spacer (Bore and Core Stem Stowage)	
Spacer (Bore and Core Stem Stowage)	

stowage Retainer, GCTA Sunshade	
Stowage strap Assy., GCTA Sunshade	
Mounting Assy., Rtg. Fuel Cask	
Fuel Cask	
Fuel Capsule Assy.	
Pallet Assy. No. 1 (includes (f))	
Pallet Assy. No. 2 (includes (g))	
Tool Extension	
Tongs, 32 inch	
Gnomon	
Cosmic Ray Detector Package	
Magnetometer, Lunar portable	
Lunar Geology Exper. Tool Carrier (includes (h))	
U V Camera, L.S.	
Drill Assy., Apollo L.S.	
Penetrometer Assy., Self Recording	
Accessory Holder Assy. (Penetrometer)	
Rake, Lunar Sampling	
Bore Stem, Lower	
Bore stem, Upper	
Bits, Solid Face Bore	
Bit, Open Face Core	
Reducer, Core Bit	
Bag, Core Stem Teflon	
Bag, Core Stem Teflon	
Camera, 16mm Battery operated	
Lens, 10mm, 16mm Battery Operated camera	
Handle , 16mm Battery Operated Camera	
Power Pack, 16mm Battery Operated Camera	
RCU Bracket, 16mm Battery Operated Camera	
(d) CTV camera, color TV	
(d) TCU (Television control unit)	
(d) stowage container, LCRU ancillary items	
(e) Batteries, LCRU	
(e) Antenna assembly, hi gain	
(e) Antenna assembly lo gain	
(f) Experiment, passive seismic	
(f) Experiment, Active seismic	
(f) Experiment, heat flow	
(g) Stool , PSE leveling	
(g) Generator, radioisotope, thermoelectric	
(g) Tools, ALSEP deployment	
(g) Anchor, ASE-cable	
(f) Magnetometer, Lunar surface	
Large Base Assembly	

Cone, .20	
Cone Assembly, 1.0	
Cover Assembly	
(a) Camera , 16mm, battery operated	
(a) Lens, 10mm, 16mm battery operated camera	
(a) Handle , 16mm battery operated camera	
(a) Power pack, 16mm battery operated camera	
(a) RCU bracket, 16mm battery operated camera	
(b) PLSS	
(b) EVCS-1	
(b) Battery, PLSS	
(b) cartridge, LIOH	
(b) Cover, gas connector	
(b) Cover, MWC dust (multiple water connector)	
(b) Cover, electrical connector, dust	
(c) PLSS	
(c) EVCS-2	
(c) Battery, PLSS	
(c) cartridge, LIOH	
(c) Cover, gas connector	
(c) Cover, MWC dust (multiple water connector)	
(c) Cover, electrical connector, dust	
Cone, .5	
Camera, L.S. Electric	
Lens , 500mm	
Ringsight	
Shelf, interim stowage	
Garment , liquid cooling	
Remote control unit-PLSS	
Bracket, camera mount (-7)	
cartridge, container Assy., PLSS/LIOH	
container Assy., protective, PLSS/LIOH	
cartridge, PLSS/LIOH	
Battery, PLSS (-7)	
Kit, Lec-waist tether	
Bag Assy., Lec-waist	
Lifeline (lightweight)	
Bag, deployment, lifeline	
Tether, waist, EVA, left	
Tether, waist, EVA, right	
Straps	
Lifeline, lunar equipment (LELL)	
(h) Scoop, large adjustable	
(h) Hammer	
(h) Tool Assy., drive tube	

Charles Duke family photograph	
Silver medallion for 25 th anniversary of U.S. Air Force	
Tie tack	

OBJECT	LOCATION
<i>Apollo 17 - Landing Location 20.10 °N, 30.46 °E</i>	
S-IVB	-4.167 ° N, -12.33 ° E
Surface Electrical Properties Experiment Receiver-Recorder	
Surface Electrical Properties Experiment Transmitter	
Lunar Ejecta and Meteorite Experiment	
Module and Cable Reels of Lunar Seismic Profiling Experiment	
Lunar Seismic Profiling Experiment	
Lunar Mass Spectrometer	
Traverse Gravimeter Experiment	
Lunar Surface Gravimeter	
Radioisotope Thermal Generator	
Lunar Roving Vehicle	
Ascent Stage	19.96 ° N, 30.50 ° E
Central Station	20.19209 ° N, 30.76492 ° E
LM Descent Stage (plaque attached)	20.19080 ° N, 30.77168 ° E
Filter, Polarizing	
Camera, Hasselblad-Electric, Data	
Lens, 60mm	
Adapter Bracket, Rt. Angle, (16 mm DAO)	
Protective cover, Reseau	
Trigger, Hasselblad, Electric Data	
Handle, Hasselblad- Electric Data	
Tether EVA Retractable	
Brush, Lens	
Camera, L. S. Electric	
Lens , 500mm	
Ringsight	
Shelf, Interim stowage	
Wrist Mirror	
Watchband	
Remote Control unit- PLSS	
Bracket, camera mount (-7)	
Cartridge Cont. Assy., PLSS/LIOH	
Container Assy., Protective- PLSS LIOH	
Cartridge, PLSS LIOH	
Utility Towel Assy., LM	
Defecation Collection Device	
Gloves, EV Pair	
Boots , Lunar pair	
Kit, LEC waist tether (a)	
Lift Line, Lunar equipment (LELL)	
PLSS/EVCS Assy.-LMP	
PLSS	

EVCS-2	
Battery, PLSS	
cartridge, LIOH	
Cover , Gas connector	
Cover, MWC Dust (Multiple water Connector)	
Cover, Electrical connector, Dust	
PLSS/EVCS Assy.- Cdr	
PLSS	
EVCS-1	
Battery, PLSS	
Cartridge, LIOH	
Cover, Gas connector	
Cover, MWC dust (Multiple water connector)	
Cover , Electrical connector, Dust	
Bag, Jettison stowage	
Dispenser, Tissue	
LCG Adapter	
Jacket Assy., ICG	
Trouser Assy., ICG	
Boot, right I CG	
Boot, left ICG	
Towels, LM, Utility (Red)	
Towels , UK Utility (Blue)	
Brush, Lunar Dust	
Device, I n-suit, Drinking	
Buddy, SLSS Assy.	
Sleeping Restraint Assy.	
Tool carrier, PLSS (Cdr)	
Tool Carrier, PLSS (LMP)	
strap, LCRU Retainer	
Hel met and LEVA interim stowage container assembly	
Antenna Repair Kit, Ops	
Lanyard, IV ITLSA Donning	
Bag, LM Personal Hygiene Kit	
Nail Clippers	
Soap	
Food Assy., LM(A/S)	
Food Assy., LM (D/S Pallet No. 1)	
Wet Wipes, Facial	
Ointment, Mycolog Bact.	
GCTA-Ground controlled television assembly	
CTV-Camera, color TV	
TCU-Television control unit	
Stowage mount Assy., TV camera	
communication relay system	

LCRU, (Lunar communications relay unit)	
Stowage container; LCRU ancillary items	
Batteries , LCRU	
Antenna Assy., Hi-gain	
Antenna Assy., Lo-gain	
Helper spring Assy., TCU cradle	
Lunar Roving Vehicle	
Flag kit, Lunar surface	
Adapter Assy., 20 DSBD 70mm Hasselblad	
Staff Loop Assy. Lo-gain	
Sun Shade, GCTA	
Staff Assy., LRV accessory	
Hap holder adapter, loop Assy.	
Hap holder, LRV	
Loop Assy., adapter	
Adapter, SRC/Ops	
Canisters, ECS LIOH	
Urine collection Assy. (small)	
Bag, Emesis	
Bag, Equipment transfer	
straps, ECS LIOH canister	
Strap LIOH	
Urine receptacle system	
Pallet Assy. No.1, Equipment transfer	
Pallet Assy. No.2, Equipment transfer	
Pallet Assy. No.4, Equipment transfer	
Hammock Assembly	
Hammock Assembly	
container, Buddy SLSS Assy., stowage	
Pallet, LRV aft chassis	
Pallet , Quad 3- Payload	
Webbing, Tie-down contingency	
Vise device, Drill string	
Bag, Stowage, 500mm system	
Canister, ECS LIOH	
Strap assy., Sleep restraint	
Container , Bore/Core stem stowage	
Cover, Bore/Core stem stowage	
Retainer Assy., Lower	
Retainer Assy., Upper	
Cover Assy., Retainer	
Spacer (Core and Bore stem stowage)	
Spacer (Core and Bore stem stowage)	
stowage Retainer, GCTA sunshade	
stowage strap Assy., GCTA sunshade	

Bag, Neutron probe, Thermal	
Mounting Assy., Rig. Fuel cask	
Fuel cask	
Fuel capsule assembly	
Pallet Assy., No. 1	
Lunar seismic profiling experiment (S-203)	
Lunar mass spectrometer (S-205)	
Gravimeter, Lunar surface (S-207)	
Pallet assy., No.2	
Heat flow experiment (S-037)	
Generator, Radioisotope thermoelectric	
Tools , ALSEP deployment	
Lunar ejecta & micrometeoroid experim. (S-202)	
Tool extension 2	
Tongs 2	
Gnomon	
Scoop, large adjustable	
Hammer	
Tool Assy., Drive tool	
Transmitter, Sep. expo	
Receiver, Sep. expo	
Gravimeter, Traverse (S-199)	
Drill Assy., Apollo L. S.	
Rake, Lunar sampling	
Bore stem, Lower 2	
Bore stem, Upper 4	
Transport module Assy.,(LSP charges)	
Transport module Assy., (LSP charges)	
Bits, solid face bore	
Reducer, core bit	
Sampler, LRV soil	
Bag, Core stem Teflon	
Bag, Core stem Teflon	
Earplug and overwrap pouch Assy.	
Food assembly, (D/S Pallet No.2)	
Battery, PLSS(-7)	
(a) Bag Assy., LEC+wt.	
Garment, constant wear	
Garment , liquid cooling	

Soviet Material

OBJECT	LOCATION
Luna 2	29.1 ° N, 0 ° E
Luna 5	8 ° N, -23 ° E
Luna 7	9.8 ° N, -47.8 ° E
Luna 8	9.1 ° N, -63.3 ° E
Luna 9	7.08 ° N, -64.37 ° E
Luna 10	
Luna 11	
Luna 12	
Luna 13	18.87 ° N, -62.05 ° E
Luna 14	
Luna 15	
Luna 16 descent stage	-0.513 ° N, 56.364 ° E
Luna 17 Lander	38.238 ° N, -34.997 ° E
Lunokhod 1	38.316 ° N, -35.004 ° E
Luna 18	3.760 ° N, 56.655 ° E
Luna 19	
Luna 20 descent stage	3.787 ° N, 56.625 ° E
Luna 21 Lander	26.003 ° N, 30.408 ° E
Lunokhod 2	25.827 ° N, 30.919 ° E
Luna 22	
Luna 23	12.666 ° N, 62.151 ° E
Luna 24 descent stage	12.714 ° N, 62.213 ° E

Chinese Material

OBJECT	LOCATION
Chang'e 1 Orbiter	-1.50 ° N, 52.36 ° E

Indian Material

OBJECT	LOCATION
Chandrayaan-1 Lunar Orbiter	South Pole
Moon Impact Probe	South Pole

Japanese Material

OBJECT	LOCATION
Hiten spacecraft	55.3 ° N, -34.0 ° E
Hagoromo orbiter satellite	crash not confirmed
Kaguya orbiter (SELENE)	-65.5 ° N, 80.4 ° E
VRAD Subsatellite ("Ouna")	
Relay Subsatellite ("Okina")	

ESA Material

OBJECT	LOCATION
SMART-1 (controlled crash)	-34.4 ° N, - 46.2 ° E