

Catalogue of Manmade Material on the Moon

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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>	
Gold Olive Branch [1]	
Flag Kit [1]	
Apollo 1 Patch(Honoring deceased astronauts Grissom,White, Chaffee)[1]	
CosmonautMedals(Honoring deceased cosmonauts Gagarin,Komarov)[2]	
Moon Memorial Disc [1]	
Ascent Stage [1]	UNKNOWN
Lunar Retro-Ranging Reflector Experiment [1]	0.67337 ° N, 23.47293 ° E
LM Descent Stage (plaque attached)	0.67408 ° N, 23.47297 ° E
Filter, Polarizing [1]	
Portable Life Support System(PLSS)[2]	
Remote Control Unit (PISS) [2]	
Defecation Collection Device [4]	
Overshoes , Lunar [2]	
Covers, pga Gas Connector [2]	
Kit, Electric waist, Tether [2]	
Bag, Assembly, Lunar equipment conveyor & waist tether [1]	
Conveyor assembly, Lunar Equipment [1]	
Bag, Deployment, Life Line [1]	
Bag, Deployment, Lunar equip. conveyor [1]	
Life Line, lightweight	
Tether waist, EVA [2]	
Tether waist, EVA [2]	
Food Assembly, LM (4 man days) [1]	
TV subsystem, Lunar [1]	
Camera , Lunar TV [1]	
Lens, TV wide angle [1]	
Lens, TV Lunar, day [1]	
Cable assembly, TV (100 ft.) [1]	
Adapter, SRC/OPS [2]	
Cannister, ECS LIOH [2]	
Urine collection assembly, small [2]	
Urine collection assembly, large [2]	
Bag, Emesis [4]	
Container assembly, Disposal [1]	
Filter, Oxygen bacterial [1]	
Container, PLSS Condensate	
Antenna, S-Band [1]	
Cable, S-Band antenna [1]	
Bag, Lunar Equipment Transfer [1]	
Pallet assembly #1 [1]	

Passive seismic experiment [1]	
Central Station	
Pallet Assembly #2	
Primary structure assembly	
Hammer [1]	
Scoop, Lunar sample-large [1]	
Extension handle [1]	
Tongs [1]	
Gnomon (Excludes mount) [1]	

OBJECT	LOCATION
<i>Apollo 12 - Landing Location -3.11 ° N, -23.23 ° E</i>	
Passive Seismic Experiment (see experiment below)	
Lunar Surface Magnetometer (see experiment below)	
Solar Wind Spectrometer (see experiment below)	
Suprathermal Ion Detector/Cold Cathode Gauge (SIDE/CCGE)(see below)	
Radioisotope Thermal Generator (see experiment below)	
Flag Kit [1]	
Surveyor 3 [see above under U.S. Material (Non-Apollo)]	
LM Ascent Stage [1]	-3.94 ° N, -21.20 ° E
Central Station	-3.00942 ° N, -23.42458 ° E
LM Descent Stage (plaque attached) [1]	-3.01239 ° N, -23.42157 ° E
Camera, Lunar Surface, Electric Hasselblad [2]	
Lens , 60mm [2]	
Adapter. Rt. Ang1e,16mm camera [1]	
Cable, Remote Control, 16mm camera [1]	
Protective cover, Reseau [2]	
Trigger, Electric Hasselblad Camera [2]	
Handle, Electric Hasselblad Camera [2]	
Tether , EVA Retractable [2]	
Cutter, for Surveyor Lunar Probe sample [1]	
Remote Control Unit-PLSS [2]	
Bracket, Camera mount [2]	
Cartridge/ Canister, PLSS LIOH [2]	
Battery, PLSS [2]	
Defecation Collection Device [4]	
Overshoes, Lunar pair [2]	
Kit, Lec -Waist tether [1]	
Conveyor assembly, Lunar equipment [1]	
Deployment Bag, Lunar equipment conveyor [1]	
PLSS/EVCS Assembly [1]	
PLSS/EVCS Assembly [1]	
Collection bag, Calibrated, PLSS Feedwater w/scale [1]	
Collection bag, Calib. PLSS Feedwater w/o scale [3]	
Safety Line, Lunar Surface [1]	
Towels, LM utility (Red) [2]	
Towels, LM utility (Blue) [2]	
TV System, LM Color [1]	
Camera, LM Color TV [1]	
Zoom Lens, LM TV [1]	
Cable, LM TV Adapter [1]	
Earplugs [2]	
Adapter, SRC/OPS [2]	
Interim Storage Assembly [1]	

Canister, ECS LIOH [1]	
Urine Collection Assembly (Small) [1]	
Bag, Emesis [4]	
Container Assembly, Disposal [1]	
Container assembly, Disposal [1]	
Container, PLSS Condensate [1]	
Antenna, S-Band [1]	
Tripod, TV [1]	
Strap, ECS LIOH Canister [1]	
Bag, Camera Mount Bracket [1]	
Hammock Assembly [1]	
Bracket, Installation Color TV Camera [1]	
Mounting Assembly RTG Fuel Cask [1]	
Fuel Cask [1]	
Fuel Capsule Assembly [1]	
Prime ALSEP Pallet assembly #1 (d)	
Prime ALSEP pallet assembly #2 (e)	
Hammer [1]	
Scoop, Lunar Sample [1]	
Extension Handle [1]	
Tongs [1]	
Gnomon [1]	
Hook, Tether [2]	
Camera, Close-up stereo [1]	
Contrast Target [3]	
Color Chart [1]	
(d)LS Magnetometer experiment [1]	
(d) Passive seismic experiment [1]	
(d) Solar wind experiment [1]	
(e) Radioisotope Thermoelectric Generator Experiment [1]	
(e) Subthermal Ion Detector/CCGE experiment [1]	
(e) PSE leveling stool [1]	
(e) Lunar Geological Hand Tool Carrier w/tools [1]	
Filter, polarizing [1]	
(a) Bag, assembly, LEC - Waist [1]	
(b)PLSS [1]	
(b)EVCS-1 [1]	
(c)PLSS [1]	
(c)EVCS-2 [1]	
Astronaut Wings (C.C. Williams [1], Alan Bean [1])	
Automatic Timer for Hasselblad [1]	

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 (see below)	
Active Seismic Experiment (see below)	
Lunar Portable Magnetometer (see below)	
Suprathermal Ion Detector/Cold Cathode Gauge (SIDE/CCGE)(see below)	
Charged Particle Lunar Environment Experiment (CPLEE) (see below)	
Radioisotope Thermal Generator (see below)	
Modular Equipment Transporter (see below)	
LM Ascent Stage [1]	-3.42 ° N, -19.67 ° E
Central Station	-3.64398 ° N, -17.47748 ° E
Laser Range Reflector (see below)	-3.64421 ° N, -17.47880 ° E
LM Descent Stage (plaque attached) [1]	-3.64530 ° N, -17.47136 ° E
Filter, Polarizing [1]	
Adapter, Bracket, Right. Angle, 16mm Camera [1]	
Camera, Lunar Surface, Electric Hasselblad [1]	
Lens, 60mm [1]	
Cable, Remote control, 16mm camera [1]	
Protective cover, Reseau [2]	
Trigger, Electric Hasselblad camera [1]	
Handle, Electric Hasselblad camera [1]	
Tether, EVA retractable [2]	
Checklist, EVA cuff [2]	
Brush, lens [1]	
Camera/Power Pack Assembly, 16mm L.S. [1]	
Camera , 16mm, battery operated [1]	
5mm lens, 16mm battery operated camera [1]	
Handle , 16mm battery operated camera [1]	
Power pack, 16mm battery operated camera [1]	
RCU bracket, 16mm battery operated camera [1]	
Remote control unit- PLSS (-6) [2]	
Bracket, Camera mount (-6) [1]	
Cartridge/Canister, PLSS/LIOH (-6) [2]	
Battery, PLSS (-6) [2]	
Defecation Collection Device [4]	
Boots, Lunar [2]	
PLSS/EVCS assembly [1]	
PLSS/EVCS assembly [1]	
Collection bag, calibrated, PLSS Feedwater [1]	
Collection bag, Calibrated, PLSS without Feedwater [1]	
Bag, Jettison stowage [3]	
Safety line , Lunar surface (100 feet) [1]	

Towels, LM utility (Red) [2]	
Towels, LM utility (Blue) [2]	
Brush , Lunar dust [1]	
Bag, Lunar surface safety line [1]	
Device, in-suit, drinking [2]	
Buddy SLSS Assembly [1]	
TV subsystem, Lunar (subsystem includes (a)) [1]	
TV System, LM color (system includes (b)) [1]	
Camera, Close-up stereo [1]	
Flag kit, Lunar surface [1]	
Transporter, Mobile equipment (MET) [1]	
Earplugs [1]	
Adapter, SRC/Ops [2]	
Canister, ECS LIOH [1]	
Urine collection assembly, small [6]	
Bag, Emesis [4]	
Container assembly, Disposal [2]	
Container, PLSS condensate [1]	
Antenna, S-band [1]	
Tripod , TV [1]	
Strap, ECS LIOH canister [1]	
Bag, Camera mount bracket [1]	
Hammock Assembly [1]	
Hammock Assembly [1]	
Container , Buddy SLSS Assembly-Stowage [1]	
Bag, 16mm Camera-Stowage [1]	
Foam side [1]	
Foam side [1]	
Strap assembly [1]	
Webbing, Tiedown-Contingency [1]	
Pallet assembly, magnetometer [1]	
Strap assembly [1]	
Mounting assembly RTG fuel cask [1]	
Fuel cask [1]	
Fuel capsule assembly [1]	
Pallet assembly No.1 (includes (c)) [1]	
Pallet assembly No.2 (includes (d)) [1]	
Hammer [1]	
Scoop, lunar sample (Large) [1]	
Tool, extension [1]	
Tongs [1]	
Gnomon [1]	
Tool assembly, Trenching-Adjustable [1]	
Scale, sample [1]	
Magnetometer, Lunar portable [1]	

Reflector, Laser ranging retro [1]	
ASE cable anchor (Apollo sample Penetrometer) [1]	
(a) Camera, Lunar TV [1]	
(a) Lens, TV lunar day) [1]	
(a) Cover, Dust, Lens [1]	
(a) Cover, Connector, Dust [1]	
(b) Camera, LM Color TV [1]	
(b) Zoom lens , LM Color TV [1]	
(b) Cable, LM Color TV [1]	
(b) Cover, LM TV lens [1]	
(c) Active Seismic Experiment [1]	
(c) Passive Seismic Experiment [1]	
(c) Charged Particle Lunar Environment Experiment [1]	
(d) Radioisotope Thermoelectric Generator RTG Experiment [1]	
(d) Superthermal Ion Detect./Cold Cathode Gag Experiment [1]	
(d) PSE Leveling Stool [1]	
(d) Lunar Geol. Experiment Tool Carrier w/tools [1]	
(d) ALSEP Deployment Tools [1]	
Kit, LEC- Waist Tether [1]	
Bag Assembly, Lunar Equipment Conveyor & Waist Tether [1]	
Conveyor Assembly, Lunar Equipment [1]	
Bag, Deployment, Lunar Equipment Conveyor [1]	
Golf balls (2)	
Javelin [1]	

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 (see below)	
Lunar Surface Magnetometer [1]	
Solar Wind Spectrometer (see below)	
Suprathermal Ion Detector/Cold Cathode Gauge (SIDE/CCGE)	
Heat Flow Experiment (see below)	
Hammer and Feather	
Fallen Astronaut sculpture/plaque	
Ascent Stage [1]	26.36 ° N, 0.25 ° E
Central Station	26.13407 ° N, 3.62981 ° E
Laser Range Reflector (see below)	26.13333 ° N, 3.62837 ° E
LM Descent Stage (plaque attached) [1]	26.13222 ° N, 3.63386 ° E
Filter, Polarizing [1]	
Camera , Hasselblad- Electric Data [1]	
Lens, 60mm [2]	
Protective Cover, Reseau [3]	
Trigger, Hasselblad Electric Data [3]	
Handle, Hasselblad- Electric Data [3]	
Tether, EVA retractable (CDR) [1]	
Brush, Lens [2]	
Camera/Power Pack Assembly, 16mm L.S. [1]	
Camera, 16mm Battery Operated [1]	
Lens, 10mm 16mm Battery Operated Camera [1]	
Handle, 16mm Battery Operated Camera [1]	
Power Pack, 16mm Battery Operated Camera [1]	
RCU Bracket, 16mm Battery Operated Camera [1]	
Tether, EVA Retractable (LMP) [1]	
Camera, L.S. Electric	
Lens, 500mm [1]	
Ringsight [1]	
Garment , Constant wear [2]	
Garment , Liquid cooled [2]	
Remote Control Unit-PLSS (-7) [2]	
Bracket, Camera mount (-7) [3]	
Cartridge Container Assembly, PLSS/LIOH	
container assy., protective-PLSS LIOH [4]	
Cartridge, PLSS LIOH [4]	
Battery , PLSS (-7) [4]	
Boots, Lunar-pair [2]	
Bag Assembly, LEC -Waist [1]	
Conveyor Assembly, Lunar Equipment [1]	

Bag, Deployment, LEC [1]	
PLSS/EVCS Assembly (wet) (includes (a)) [1]	
PLSS/EVCS Assembly (wet) (includes (b)) [1]	
Bag, Jettison Stowage [4]	
LCG Adapter [2]	
Jacket, Assembly, ICG [2]	
Trouser Assembly, ICG [2]	
Boot, Right ICG [2]	
Boot, Left, ICG [2]	
Safety Line, Lunar Surface (100 ft.) [1]	
Towels, LM utility (Red) [2]	
Towels, LM utility (Blue) [2]	
Brush, Lunar Dust [1]	
Bag, Lunar Surface Safety Line [1]	
Buddy SLSS Assembly [1]	
Sleeping Restraint Assembly [2]	
Tool Carrier, PLSS (CDR) [1]	
Tool Carrier, PLSS (LMP) [1]	
Strap, LCRU Retainer [1]	
Helmet and LEVA Interim Stowage Container Assembly [1]	
Food Assembly, LM(A/S) [1]	
Food Assembly, LM (D/S Pallet) [1]	
Food Assembly LM (D/S Pallet No. 3) [1]	
Wet Wipes , Facial [used of 9]	
GCTA- Ground Controlled TV assembly (includes (c)) [1]	
Communication Relay System (includes (d)) [1]	
Lunar Roving Vehicle (LRV) [1]	
Tool , Deployment- LRV [1]	
Flag Kit, Lunar Surface [1]	
Staff, 16mm camera [1]	
Holder, Map-LRV [1]	
Bag, Stowage-Gnomon [1]	
Adapter Assembly, -20 DSBD 70mm Hasselblad [2]	
Adapter, SCR/Ops [2]	
Cannister, ECS LIOH [2]	
Urine collection assembly, (small) [2]	
Bag, Emesis [6]	
Tripod, TV [1]	
Strap, ECS LIOH Cannister [1]	
Strap, LIOH [1]	
Urine Receptacle System [1]	
Pallet Assembly No. 1, Equipment Transfer [1]	
Pallet Assembly No. 2, Equipment Transfer [1]	
Pallet Assembly No. 4, Equipment Transfer [1]	
Hammock Assembly [1]	

Hammock Assembly [1]	
Container, Buddy SLSS Assembly Stowage [1]	
Foam Side [1]	
Foam Side [1]	
Strap Assembly [1]	
Pallet, LRV Aft Chassis [1]	
Pallet, Quad 3- Payload	
Webbing, Tiedown- contingency [1]	
Vise Device, Drill String [1]	
Bag, stowage- 70mm magazine	
Cannister, ECS LIOH [1]	
Strap Assembly, Sleep Restraint [2]	
Mounting Assembly, RTG Fuel Cask [1]	
Fuel Cask [1]	
Fuel Capsule Assembly [1]	
Pallet Assembly No. 1 [1]	
Experiment, Passive Seismic [1]	
Experiment, Solar Wind [1]	
Experiment, Dust Detector [1]	
Pallet Assembly No. 2 [1]	
Experiment, Heat Flow [1]	
Stool, PSE Leveling [1]	
Generator, Radioisotope [1]	
Tools ALSEP Deployment [1]	
Side/CCGE	
Tool, Extension [1]	
Tongs, 32 inch [2]	
Gnomon [1]	
Lunar Geology Experiment Tool Carrier with tools [1]	
Scoop, Adjustable Sampling [1]	
Hammer [1]	
Drill Assembly, Apollo L.S. [1]	
Penetrometer Assembly, Self Recording [1]	
Accessory Holder Assembly, Penetrometer (includes (e)) [1]	
Rake, Lunar Sampling [1]	
(a) PLSS [1]	
(a) EVCS-1[1]	
(a) Battery, PLSS [1]	
(a) Cartridge, LIOH [1]	
(b) PLSS [1]	
(b) EVCS-2 [1]	
(b) Battery, PLSS [1]	
(b) Cartridge, LIOH [1]	
(c) CTV Camera, Color TV [1]	
(c) TV control unit	

(d) Lunar Communication Relay Unit (LCRU) [1]	
(d) Stowage container, LCRU Ancillary Items [1]	
(d) Batteries , LCRU [3]	
(d) Hi-Gain Antenna Assembly [1]	
(d) Lo-Gain Antenna Assembly [1]	
(e) Large Base Assembly [1]	
(e) Cone, .2 [1]	
(e) Cone, .5 [1]	
(e) Cone Assembly, 1.0 [1]	
(e) Cover Assembly [1]	
Kit, Lee-Waist, Tether [1]	
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 (see below)	
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 [1]	
Camera , Hasselblad-Electric Data [1]	
Lens, 60mm [2]	
Protective cover, Reseau [3]	
Trigger, Hasselblad-Electric Data [2]	
Handle, Hasselblad- Electric Data [2]	
Tether EVA Retractable (CDR) [1]	
Brush , Lens [3]	
Camera/Power Pack Assembly 16mm L.S. (includes (a)) [1]	
Tether, EVA Retractable -(LMP) [1]	
Utility Towel Assembly LM [1]	
Defecation Collection Device [1]	
Boots, Lunar Pair [2]	
Life Line, Lunar Equip. (LELL) [1]	
PLSS/EVCS Assy.-LMP (includes (b)) [1]	
PLSS/EVCS Assy., CDR (includes (c)) [1]	
Bag, Jettison stowage [4]	
Dispenser, Tissue [1]	
LCG Adapter [2]	
Jacket Assy., ICG [2]	
Trouser Assy., ICG [2]	
Boot, Right , ICG [2]	
Boot, Left, ICG [2]	
Towels, LM utility (Red) [2]	
Towels, LM Utility (Blue) [2]	
Brush, Lunar Dust [1]	
Buddy SLSS Assembly [1]	
Sleeping Restraint Assembly [2]	
Tool Carrier, PLSS (CDR) [1]	
Tool Carrier, PLSS (LMP) [1]	
Strap , LCRU Retainer [1]	
Helmet and LEVA Interim stowage container Assembly [1]	

Food Assy. LM (A/S) [1]	
In-Suit Beverage Assembly [4]	
In-Suit Food Bar Assembly [6]	
Food Assy., LM (D/S Pallet No. 1) [1]	
Food Assy., LM (D/S Pallet No. 2) [1]	
Wet Wipes, Facial [1]	
GCTA- Ground Controlled TV Assy. (includes (d)) [1]	
Communication Relay System (includes (e)) [1]	
Lunar Roving Vehicle [1]	
Flag Kit, Lunar Surface [1]	
Staff, 16mm Camera [1]	
Holder, Map LRV [1]	
Adapter Assy., 20 DSBD 70mm Hasselblad, *- 303B [1]	
Staff Loop Assy., 16mm Camera [1]	
Staff Loop Assy., Low Gain [1]	
Sunshade, GCTA [1]	
Adapter, SRC/Ops [2]	
Canister, ECS LIOH [1]	
Urine Collection Assy. (Small) [1]	
Bag, Emesis [1]	
Bag, Equipt. Transfer [1]	
Tripod, TV [1]	
trap, ECS LIOH Canister onr	ou
itrap LIOH onr	ou
Urine, Receptacle iystemnr	ou
Pallet Assy. No. 1, Equipment Transfer onr	ou
Pallet Assy. No. 2, Equipment Transfer onr	ou
Pallet Assy. No. 4, Equipment Transfer onr	ou
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 Subsattellite ("Ouna")	
Relay Subsattellite ("Okina")	

ESA Material

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