

CURATORIAL NEWSLETTER

Number 35

April 26, 1982

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LAPST Meets May 13-15, 1982

LAPST mets May 13-15, 1982. Please send your sample requests as early as possible. LAPST will move to a four month interval between meetings; the next meeting will probably be in September.

Curatorial Budget News

There is no curatorial budget news. Things stand unchanged since the last newsletter. We have no concrete indication that the FY83 budget will be any more that the "dead mode" funding level. In the meantime, do not hesitate to request any information or samples you need for your research. Through extra efforts by NASA and Northrop personnel we are keeping nearly current with our request load.

Returning Lunar Samples

We have no plans, at the moment, to call in lunar samples. We pass this information on to you as a reminder of the investigators responsibilities regarding returning lunar samples and the proper documentation that must accompany the samples.

When lunar samples are returned to the Curator the following documentation is required:

- Sample Accountability Form (F-70)
- 2. Sample History (F-71)
- 3. The blue and pink copies of the lunar sample assignment form (JSC 2103) if you received the sample from the Curator.

Sample Accountability, Form F-70, provides the basis for the required detailed accounting of the mass of each sample. A separate Form F-70 is completed for each sample; but, all splits of a sample subdivided in your laboratory and returned in the same shipment can be reported on the same F-70. Sample History Information,

Form F-71, provides the information needed to evaluate the suitability of returned samples for reuse. Several samples that have experienced identical histories may be listed on the same F-71. If splits of a sample allocated to you have experienced two or more different histories, two or more F-71 forms are required for that sample.

Examples of these forms are appended to this newsletter. Extra copies are available from the Curator; xeroxed copies are also acceptable. Detailed instructions for filling out these forms are in the PI handbook.

Samples smaller than 10 grams can be mailed <u>via registered mail</u>; those larger than 10 grams must be hand-carried unless specifically exempted by the Curator.

FORM F-70 PLEASE SUPPLY ONE COPY OF THIS FORM FOR EACH SAMPLE RECIEVED

SAMPLE ACCOUNTABILITY FOR SAMPLE #	
	Do Not Write In This Column
Mass of sample if provided by Curator	
Mass of sample if provided by another investigator	
Name of that investigator	
Sample mass as determined by receiving PI	
Total sample mass consumed	
Total sample/residue mass retained by investigator	
Sample Mass Transferred to another P.I.	
Name of that investigator	
Total sample mass returned to Curator	
Mass percentage of admixed non-lunar material (if any)	
Sample mass not accounted for	
Comments:	
Please list all splits made from this sample, their individual ma and their disposition if such splits are not returned directly to	

PI Signature Date

FORM F-71

SAMPLE HISTORY INFORMATION

DatePI					
SAMPLE NUMBER(S)	I SUB NUMBER	WEIGHT	COMA	AENTS	FOR CURATORS USE
DEGRADATION LEVEL	5 PHYSICAL SEPAR	ATIONS	8 IRRADIATION	EXPOSURE TO ORGANIC LIQUIDS	4 EXPOSURE TO INORGANIC LIQUIDS
CHEMICAL O NOT DEGRADED TO ORGANICALLY DEGRADED TRACE ELEMENT DEGRADED MAJOR ELEMENT DEGRADED HAS UNDERGONE NEUTRON ACTIVATION PHYSICAL PROPERTIES	O NONE O SIEVED CRUSHED SIZE RANGE OF P AND PICKED HAND PICKED DENSITY SEPARA' MAGNETIC SEPAR OTHER SEPARATE (SPECIFY) 6 EXPOSURE TO G	TE ATE	0 NONE 3 ELECTRON 1 X.RAY 4 GAMMA 2 ALPHA 5 PROTONS 9 OTHER 6 HEAVY NUCLEI NEUTRONS 7 EPITHERMAL 1 THERMAL (TOTAL FLUX-n/cm²) CURRENT ACTIVITY (mr/hr) 9 THERMAL HISTORY	O NONE 2 LEACHATE 3 RESIDUE SPECIFY LIQUID(S) 1 WASHED IN 1 EXPOSURE TO METAL- 1 ORGANIC LIQUIDS O NONE	O NONE 1 WASHED IN SAMPLE RETURNED IS A 2 LEACHATE 3 RESIDUE 1 CHECK & SPECIFY LIQUIDS AND/OR SALTS USED 1 WATER 2 ACID 3 BASE 4 AQUEOUS SALT SOLUTION
O NOT DEGRADED 1 DEGRADED LOST DESTROYED ELECTROMAGNETIC	Q VACUUM ONLY 1 DRY NITROGEN 3 AIR 2 INERT GASES (CHECK & SPECIF REACTIVE GASES 5 HALOGENATED	<u>Y)</u>	0 NONE HEATED TO °C IN	9 SPECIFY LIQUID(S)	9 OTHER REACTIVE LIQUIDS 8 OTHER NON-REACTIVE LIQUIDS
PROPERTIES O NONE I MAGNETIC FIELD STRENGTH	9 OTHER.	TED	4 COMPLETE 5 VAPORIZED	0 NOTHING 8 UNKNOWN 6 MINERAL	 NOT APPLICABLE POLISHED THIN SECTION (RECTANGULAR) (p+s) POLISHED SECTION (ps) PROBE MOUNT (ROUND) (pm)
STRENGTH 2 ALTERNATING CURRENT FIELD STRENGTH	7 THERMODYNAMIC CHANGE	STATE	CONTAINER TYPE O (RETURNED IN)	4 GREASE 2 PURE OXIDE	COVERED THIN SECTION (†S) POTTED PIECE (pb) COMPOUND
4 MINERALOGY/PETROLOGY	O ☐ NONE 1 ☐ INSOLUBLE RESID 2 ☐ SOLUTE 3 ☐ SOLUTION 4 ☐ FUSION PRODUCT		0 LRL PLASTIC VIAL 1 LRL STAINLESS BOLT 2 LRL CONTAINER (OTHER) 3 PI GLASS VIAL 4 PI PLASTIC VIAL 5 PI GLASS BOTTLE 9 OTHER (SPECIFY)	1 PURE ISOTOPE 5 METALLIC SALT 3 ORGANIC SOLID 9 OTHER SUBSTANCE SUBSTANCE(S) ADMIXED SPECIFY	DOLISHED GRAIN MOUNT (Pgm) GRAIN MOUNT (gm) X-RAY DIFFRACTION PELLET OR SMEAR (xrd) X-RAY FLUORESCENCE PELLET (xrf) ELECTRON MICROSCOPE TRANSMISSION GRID(@mt) MOUNTED ON OPAQUE SURFACE (S.E.M. ETC)(Sem) SINGLE CRYSTAL (Sx) X-RAY SPINDLE (xrs) OTHER

JSC - rm 1245 (Rev Apr 73)

NASA-JSC

LUNAR SAMPLE ASSIGNMENT

The undersigned acknowledges receipt of the following lunar sample identified by sample number and net

Number _______ Issue Wt. ______ Return Date is: _______

Sample assigned to: Sample received by:

Principal Investigator Signature and Date

Sample delivered on _______ by ______ Recipient's name, printed or typed Gross Wt. ________

Lunar Sample Curator Container ________

By accepting custody of the above sample, the recipient understands that it is furnished pursuant to, and is fully subject to, the terms and conditions of the grant or contract under which the related lunar sample analysis is to be

performed, including all terms and conditions which may be incorporated in such contract or grant by reference.

This Copy to be retained by the Principal Investigator

JSC FORM 2103 (REV NOV 74)