Experiment 89XX701

Exp Param. 01 Ars. Code.
Exp Param 02 Soil Number
HMS Samples #

100	series numbers		air dry
200	"	"	4.2
300	"	"	2.0
400	"	"	1.0
500	"	"	3.4
600	"	"	oven dry.

<100 Surface Sample air dry.

900 " " California Samples

Treatment Level 1 — soil Sample set.

1 = Surface samples ~~Hungary~~

2 = Model Samples.

3 = ~~California Samples~~

~~2.26.2000~~

Treatment Level 2 — Moisture Level.

1 = air dry.

2 = 4.2
3 = 3.4
4 = 2.0

5 = 1.0
~~5 = 3.4~~

0 = ~~0.0~~ Oven Dry
6 = PF0.0

~~Treatment Level 3~~ — ~~Replication~~ Replication
Exp. Parameter 3

1 = Rep 1
2 = Rep 2
3 = Rep 3
4 = Rep 4

Experiment 891xx201

Experimenter parameter 2 Exp. par. 1

Soil Number. uniq #

Molded samples
1–6.

California
1–

Treatment Level 3
1 = Within ±0.8% range (moisture)
0 = Outside ±0.8% range (moisture)

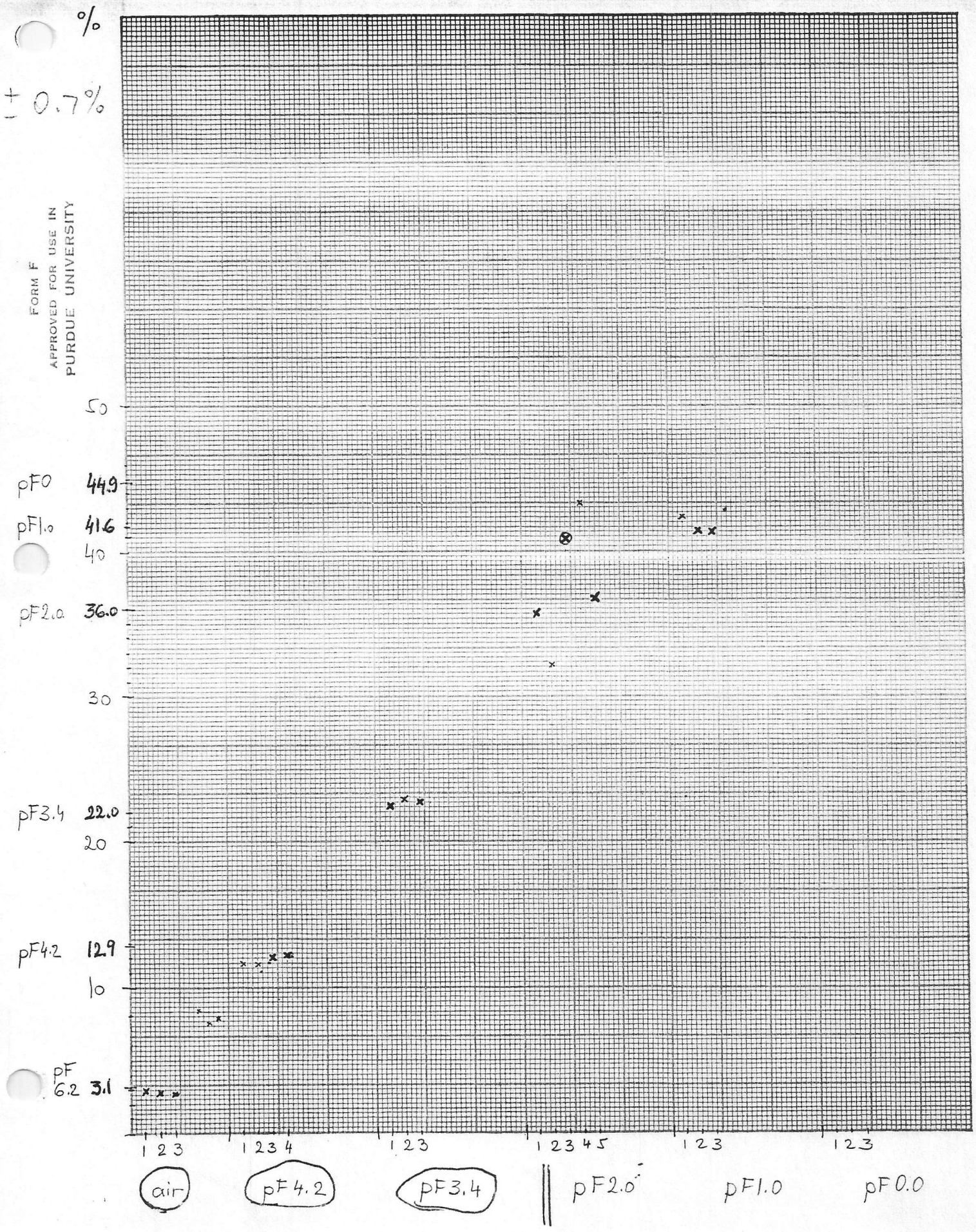
~~Treatment Level 5~~
~~Soil Number.~~

June 2, 1989

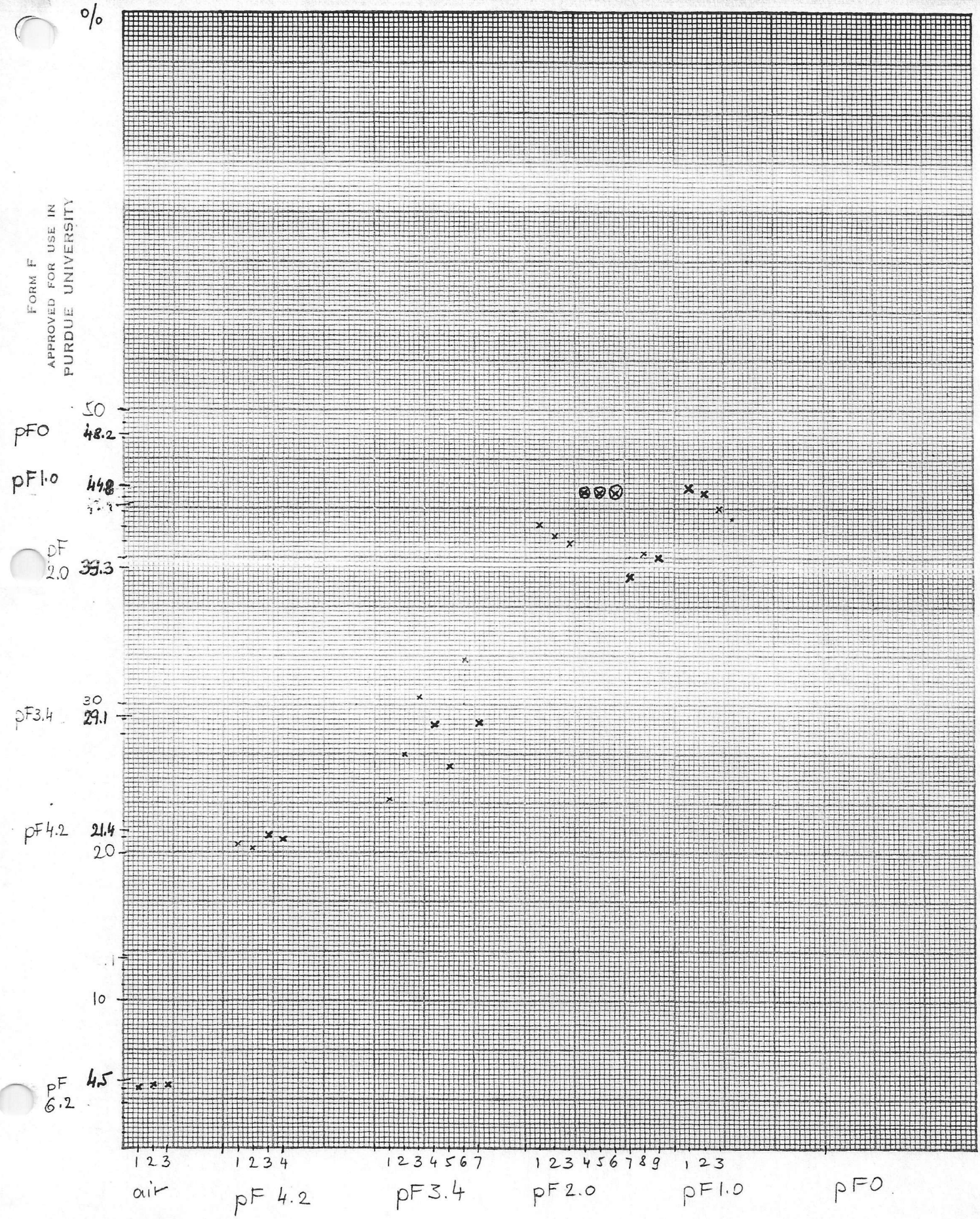
Moisture

Obs.#	Sample	Holder	Moist soil + tare	Oven soil + tare	Tare	Moisture (g)	Moisture (%)
	P56	1					
	P57	2					
	P58	3					
	P59	4					
	P60	5					
•	1-1	pF 4.2	6				
		pF 2.0	7				
•		pF 1.0	8				
	2-1	pF 4.2	9				
•		2.0	10				
		1.0	11				
	3-1	pF 4.2	12				
		2	13				
		1	14				
	4-1	pF 4.2	15				
		2	16				
		1	17				
•	5-1	pF 4.2	18				
		2	19				
		1	20				
	~~6-1~~	~~pF 4.2~~					
•		2	21				
•		1	22				

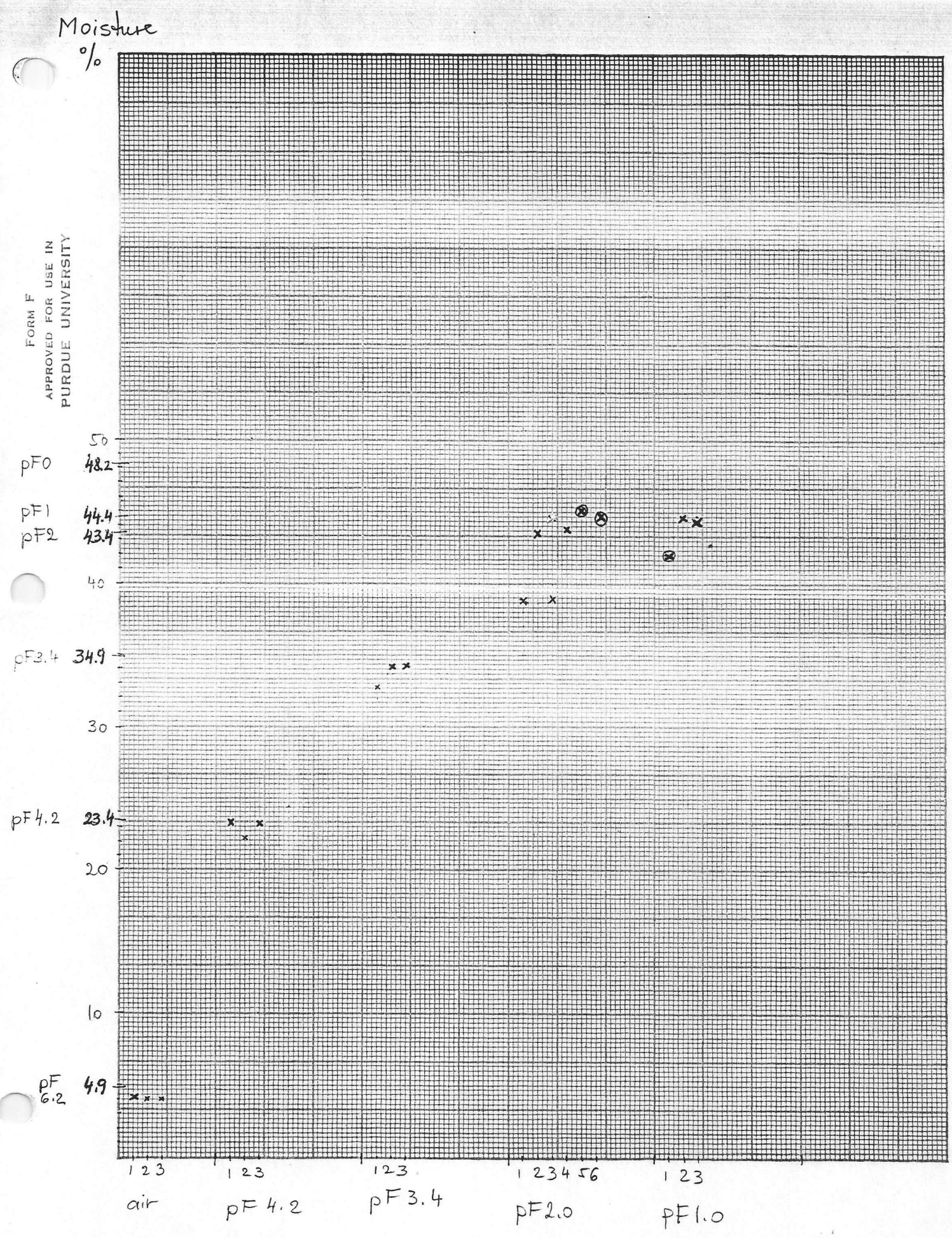
HMS-1 (End)


Moisture
%
± 0.7%
FORM F
APPROVED FOR USE IN
PURDUE UNIVERSITY
50
pF0 44.9
pF1.0 41.6
40
pF2.0 36.0
30
pF3.4 22.0
20
pF4.2 12.9
10
pF 6.2 3.1
1 2 3
1 2 3 4
1 2 3
1 2 3 4 5
1 2 3
1 2 3
air
pF 4.2
pF 3.4
pF 2.0
pF 1.0
pF 0.0

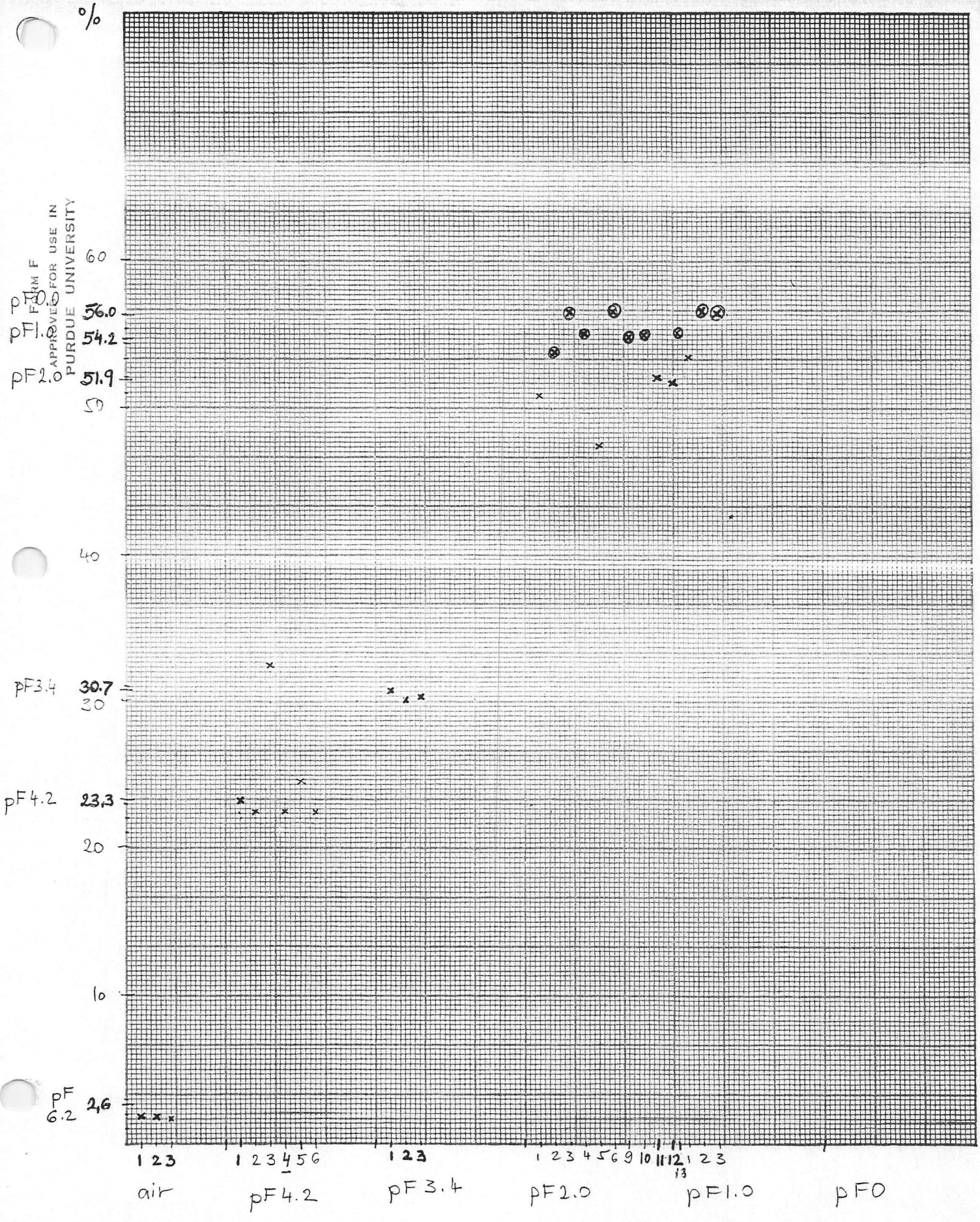
HMS-2 (Törökszentmiklós)



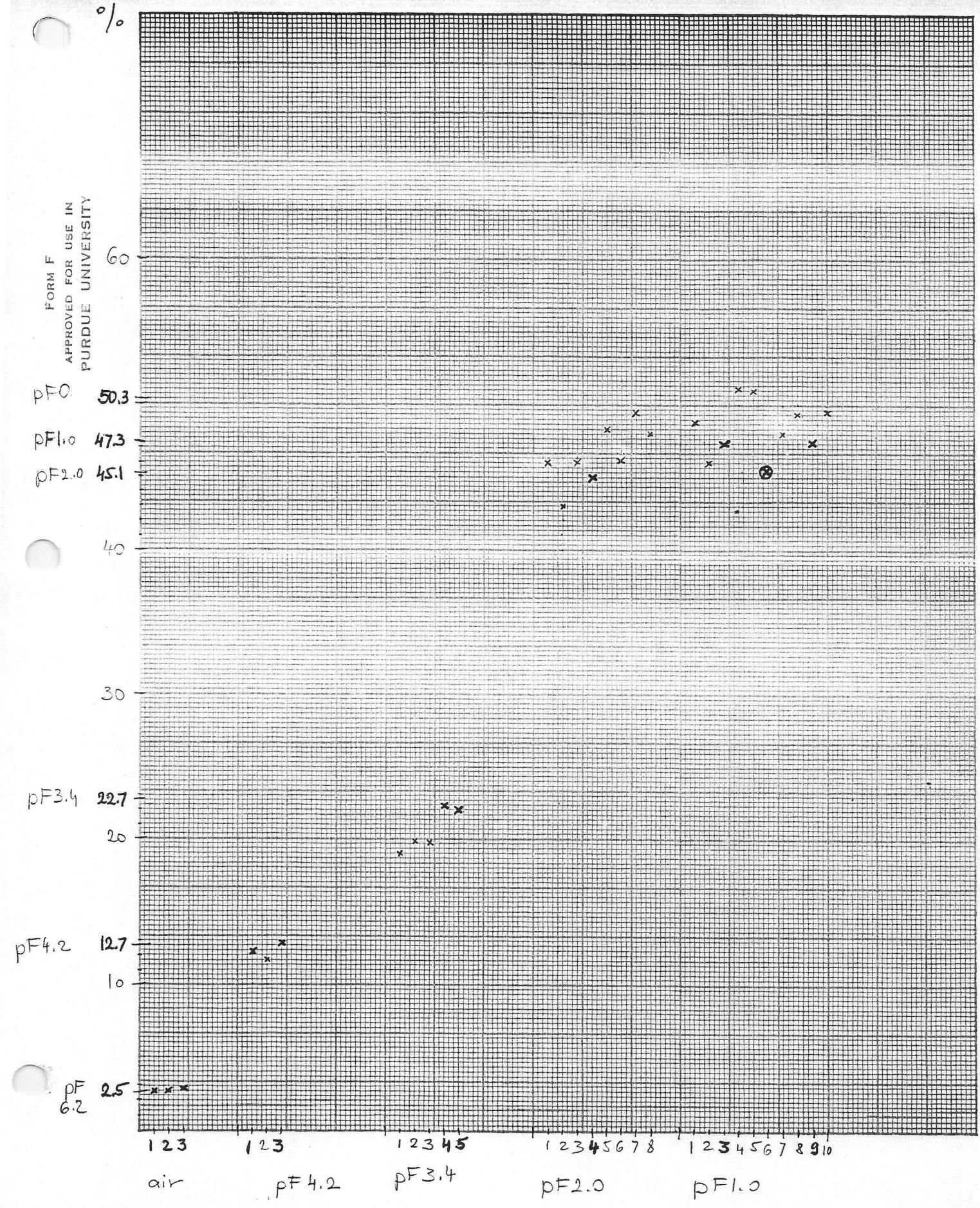
HMS-3 (kisújszállás)



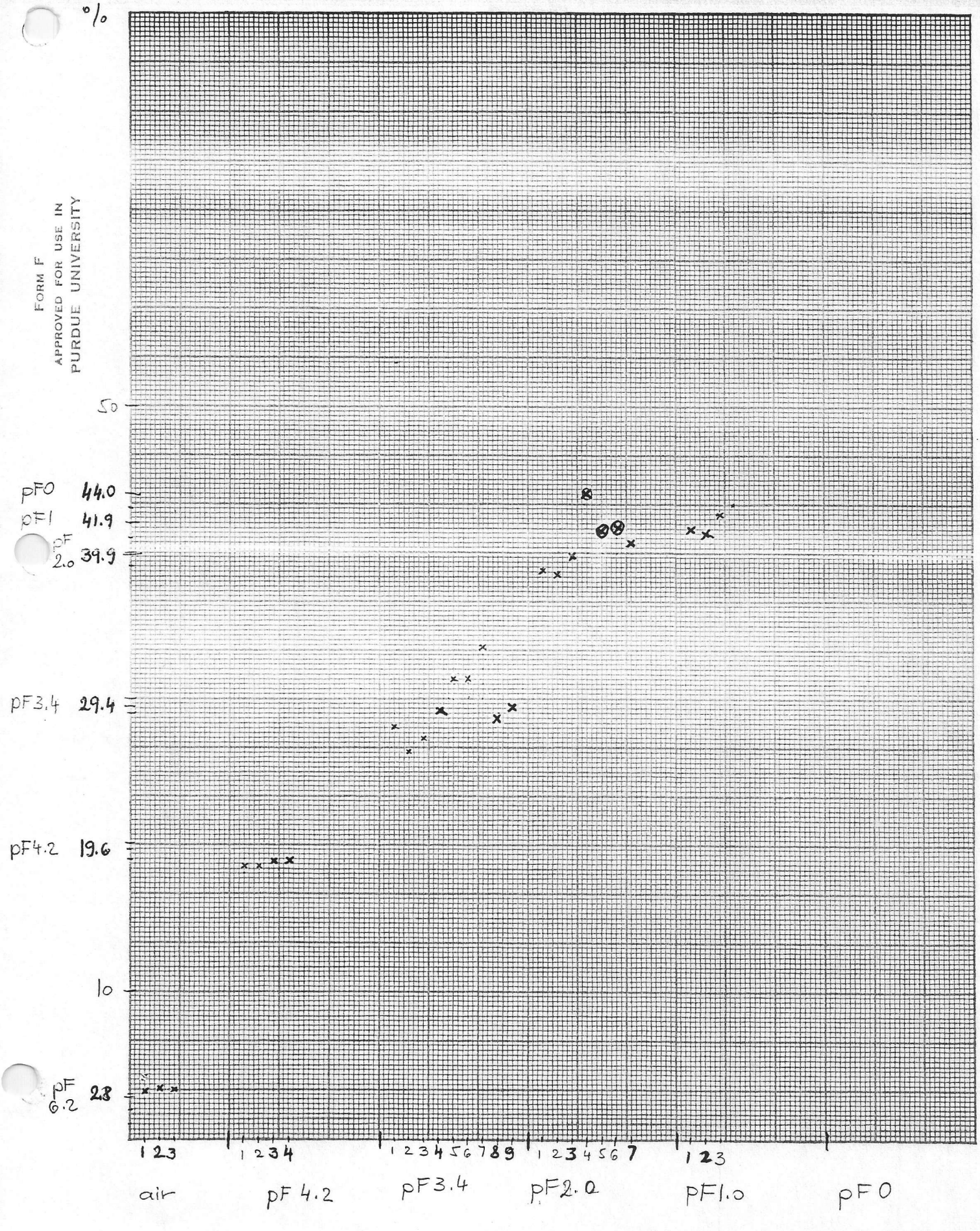
HMS-4 (Püspökladány 1)



HMS-5 (Püspökladány 2)



HMS-6 (karcag)


Moisture
%
FORM F
APPROVED FOR USE IN
PURDUE UNIVERSITY
50
pF0 44.0
pF1 41.9
pF 2.0 39.9
pF3.4 29.4
pF4.2 19.6
10
pF 6.2 28
1 2 3
1 2 3 4
1 2 3 4 5 6 7 8 9
1 2 3 4 5 6 7
1 2 3
air
pF 4.2
pF3.4
pF2.0
pF1.0
pF 0

Only Those in range ~~tested~~ desired ± ~~0.7%~~ 0.8%

Soil OD	Air	pF4.2	pF3.4	pF2	pF1	pF0	
HMS1 1,2,5,6	~~1,2,3~~ 4,5,6	3,4,5,6,7	1,3,5	1,5	1, 2,3,4		= 21
HMS2 1,2,5,6	~~1,2,3~~ 4,5,6	3,4,5	4,7,14,15,16	7,9	1,2,4,5,6		= 22
HMS3 1,2,5,6	~~1,2,3~~ 4,5,6	1,3,7,8,9	2,3	2,4,7	2,3,4,5		= 21
HMS4 1,2,5,6	~~1,2,3~~ 4,5,6	1,4,7,8	1,2,3	11,12	~~2~~,~~3~~,4,~~5~~ (out),6,7,8 | out ~~1~~,2,3,4 (same obs.)		23
HMS5 1,2,5,6	~~1,2,3~~ 4,5,6	1,3,4,5	4,5	4,9	3,7,9,13	1,2	21
HMS6 1,2,5,6	~~1,2,3~~ 4,5,6	3,4,8,9	4,8,9	3,7	1,2,3,4,5	1	22
24	18	25	18	13	26	6	64 (82)

Updated 1/17/89 Larry Bohl

Rename samples   LARRY

Erase	Original	New
HMS	1-3 pF2	1-4 pF1 ✓ ✓ ✓ ✓
	1-4 pF2	~~1-1 pF0~~ ✓ ✓ ✓ ✓ 1-5 pF1
HMS	2-4 pF2	2-4 pF1 ✓ ✓ ✓ ✓
	2-5 pF2	2-5 pF1 ✓ ✓ ✓ ✓
	2-6 pF2	2-6 pF1 ✓ ✓ ✓ ✓
HMS	3-5 pF2	3-4 pF1 ✓ ✓ ✓ ✓
	3-6 pF2	3-5 pF1 ✓ ✓ ✓ ✓
	3-1 pF1	3-7 pF2 ✓ ✓ ✓ ✓
HMS	4-3 pF4,2	4-4 pF3,4 ✓ ✓ ✓ ✓
HMS	4-2 pF2	4-4 pF1 ✓ ✓ ✓ ✓
	-3 pF2	4-1 pF0 ✓ ✓ ✓ ✓
	-4 pF2	4-5 pF1 ✓ ✓ ✓ ✓
	-6 pF2	4-2 pF0 ✓ ✓ ✓ ✓
	-9 pF2	4-6 pF1 ✓ ✓ ✓ ✓
	-10 pF2	4-7 pF1 ✓ ✓ ✓ ✓
?	4-2 pF1	4-3 pF0 ✓ ✓ ✓ ✓
?	-3 pF1	4-4 pF0 ✓ ✓ ✓ ✓
	4-14 pF2	4-8 pF1 ✓ ✓ ✓
HMS	5-6 pF1	5-9 pF2 ✓ ✓ ✓
	5-4 pF1	5-1 pF0 ✓ ✓ ✓
	(*) 5-5 pF1	5-2 pF0 ✓ ✓ ✓
HMS	6-4 pF2	6-1 pF0 ✓ ✓ ✓ ✓
	6-5 pF2	6-4 pF1 ✓ ✓ ✓ ✓
	6-6 pF2	6-5 pF1 ✓ ✓ ✓ ✓

Listed as ordered

Do Not Process

Erase 4-13 pF2

	old		new
(*)	5-5 pF2	→	5-11 pF1 ✓ ✓ ✓ ✓
	5-7 pF2		5-12 pF1 ✓ ✓ ✓ ✓
	5-8 pF2		5-13 pF1 ✓ ✓ ✓ ✓
	5-2 pF1 ✓		5-10 pF2 ✓

29 + moved one

Soil Correction Procedure

Change Soil S91XX701 Fld.

- Sheet 4 / "323" 223 to 323 ✓
- Sheet 1 #411 LOF3 from 0 to 1 ✓
- Sheet 1 #463 LOF3 from 0 to 1 ✓
- Sheet 1 #457 LOF3 from 0 to 1 ✓
- Sheet 1 #314 LOF2 from 6 to 5 ✓
- Sheet 4 #314 EAD3 from 1 to 5 ✓
- Sheet 1 #452 LOF2 from 5 to 4 ✓
- Sheet 4 #452 EAD3 from 2 to 10 ✓

Change Meas. Record Sheet.

6/14 obs 30 & 31 < target description & Obs Code ✓

Change target descriptions given on last of changes. ✓

Change Type

"ID Edit"

- 6/14 obs 30 & 31 target & Obs Code
- 7/6 obs 31 HMS14 AF 2.0 ~~to HMS~~
  HMS11 AF 0.0 to HMS15 AF 1.0
- 6/9 obs 38 HMS52 AF 1.0 to HMS510 AF 2.0

IN EDIT Cont. 3490 to 3493

Overall Summary

RUSE					Dbs Code
812	6/9	Dbs	38	SCTY 6. HMS510 AF2.0 LOF2 to 4 EPD3 to 10	# 452
767	6/2	Dbs	30	LOF3 to 1	411
852	6/14	Dbs	36	EOF3 to 1	463
1038	7/28	Dbs	24	LOF3 to 1	457
971	7/6	Dbs	31	SCTY to .HMS15 AF1.0 LOF2 to 5 EPD3 to 5	314
846	6/14	Dbs	30	SCTY 6 HMS44 AF0.0 EPD1 to 443 LOF2 to 6 LOF3 to 1 EPD2 to 4 EPD3 to 4	443
847	6/14	Dbs	31	SCTY to HMS53 AF1.0 LOF2 to 5 LOF3 to 1 EPD1 to 453 EPD2 to 5 EPD3 to 3	453

R USE

843 6/14 065 27 EA01 to 323
EA02 to 2
EA03 to 3

Check 6/14 obs #17 Lail All ok.

the error in Soils sheets 323 to 223 for sheet 4 did not affect it.

Measurement Record Sheets Changed

8T0602
609
614
706
713
726
816

Changes to Make in Soils

- Changes Names for 2
- Change Soil Sheet File Sheet4
- 6/14 dry 30+31
  - 30 is HM543
  - 31 is HM553
- Change for 3 soils for within ±0.8%

Name changes

original	changed		new
1-4 pF2	1-1 pF0	→	1-5 pF1
5-2 pF1		→	5-10 pF2

last plot : HMS 5 pF1 samples 3, 7, 9
with new data

Soil Corrections

9/14/89

Jane → Chang Soils 891XX701 Fld.

- Sheet # 1/344 1 OF 3 form 1 to 0 ✓

- Sheet # 1/443 1 OF 3 form 1 to 0 ✓

Jane → Change Tape ID Elev. 3993 to 3990

Rule		Obs Code		Obs Code
846	6/14	Obs 30	1 OF 3 to 0	443
974	7/6	Obs 34	1 OF 3 to 0	344
1081	8/10	Obs 23	SCTY to HMS413	384

Graphs

subsets (accept code=1) HMS1 + average + stdl. dev.

HMS1	oven dry	1, 2, 5, 6
	air dry	4, 5, 6
	pF 4.2	3, 4, 5, 6, 7
	pF 3.4	1, 3, 5
HMS2	oven dry	1, 2, 5, 6
	air dry	4, 5, 6
	pF 4.2	3, 4, 5
	pF 3.4	4, 7, 14, 15, 16
HMS3	oven dry	1, 2, 5, 6
	air dry	4, 5, 6
	pF 4.2	1, 3, 7, 8, 9
HMS4	oven dry,	1, 2, 5, 6
	air dry,	4, 5, 6
	pF 4.2	1, 4, 7, 8
HMS5	oven dry	1, 2, 5, 6
	air dry	4, 5, 6
	pF 4.2	1, 3, 4, 5
HMS6	oven dry	1, 2, 5, 6
	air dry	4, 5, 6
	pF 4.2	3, 4, 8, 9

LOTUS worksheets

11/89

HMS_REF2. 0[redacted] organic carbon (US method)

HMS_REF3. moisture, bulk density (loose, disturbed soil)
color, particle size

Notes:

- LOTUS needs 1 extra (column) digit at each column for text, so min. digit is 2
- starts with date + observation # of measurement
- after moisture tension column there is 1 extra column for 0 or 1 – accepting a soil moisture within a range of required moisture level at a certain tension ± 0.8 % mois

- [redacted] COLORS:
  hue value / Chroma
  ↑
  missing; it has a special meaning at LOTUS
  ⇒ couldn't use it.

- soil # > 9 indicated eg. ?10 . . . , so the observation # is different from others

- pFO soils are listed like the original, planned soils, but at the end of each list of a soil
  May pF level be changed for pFO ?

1189

1 1$891 701 00890519891024
2$ MEASUREMENTS LAB ERIKA MICHELI

1112	1.7
1122	1.7
1132	1.7
1142	1.7
1152	1.7
1162	1.7
1212	2.8
1222	2.8
1232	2.8
1242	2.8
1252	2.8
1262	2.8
1312	2.7
1322	2.7
1332	2.7
1342	2.7
1352	2.7
1362	2.7
1412	2.7
1422	2.7
1432	2.7
1442	2.7
1452	2.7
1462	2.7
1512	4.8
1522	4.8
1532	4.8
1542	4.8
1552	4.8
1562	4.8
1612	2.1
1622	2.1
1632	2.1
1642	2.1
1652	2.1
1662	2.1
2112	1.7
2122	1.7
2132	1.7
2142	1.7
2152	1.7
2162	1.7
2172	1.7
2212	2.8
2222	2.8
2232	2.8
2242	2.8
2312	2.7
2322	2.7
2332	2.7
2342	2.7
2352	2.7
2362	2.7
2372	2.7
2382	2.7
2392	2.7

2412	2.7
2422	2.7
2432	2.7
2442	2.7
2452	2.7
2462	2.7
2472	2.7
2482	2.7
2492	2.7
2512	4.8
2522	4.8
2532	4.8
2542	4.8
2552	4.8
2562	4.8
2612	2.1
2622	2.1
2632	2.1
2642	2.1
2652	2.1
2662	2.1
2672	2.1
2682	2.1
2692	2.1
2702	2.1
3112	1.7
3122	1.7
3132	1.7
3142	1.7
3152	1.7
3212	2.8
3222	2.8
3232	2.8
3242	2.8
3252	2.8
3262	2.8
3272	2.8
3282	2.8
3292	2.8
3312	2.7
3322	2.7
3332	2.7
3342	2.7
3352	2.7
3362	2.7
3412	2.7
3422	2.7
3432	2.7
3442	2.7
3452	2.7
3462	2.7
3492	2.7
3512	4.8
3522	4.8
3532	4.8
3542	4.8
3552	4.8
3562	4.8

3572	4.8
3582	4.8
3612	2.1
3622	2.1
3632	2.1
3642	2.1
3652	2.1
3662	2.1
3672	2.1
3812	2.7
3822	2.7
3832	2.7
3852	2.7
4112	1.7
4122	1.7
4132	1.7
4212	2.8
4222	2.8
4232	2.8
4312	2.7
4322	2.7
4332	2.7
4412	2.7
4422	2.7
4432	2.7
4512	4.8
4522	4.8
4532	4.8
4542	4.8
4552	4.8
4562	4.8
4572	4.8
4582	4.8
4592	4.8
4612	2.1
4622	2.1
4632	2.1
4912	4.8
5112	1.7
5122	1.7
5132	1.7
5142	1.7
5152	1.7
5162	1.7
5212	2.8
5222	2.8
5232	2.8
5242	2.8
5252	2.8
5262	2.8
5272	2.8
5282	2.8
5292	2.8
5312	2.7
5322	2.7
5332	2.7
5412	2.7
5422	2.7

5432	2.7
5512	4.8
5522	4.8
5532	4.8
5542	4.8
5552	4.8
5612	2.1
5622	2.1
5632	2.1
5642	2.1
5652	2.1
5662	2.1
5672	2.1
5682	2.1
5692	2.1
5702	2.8
5712	2.8
5722	2.8
5732	2.8
5742	2.8
5752	2.8
5762	2.8
6112	1.7
6122	1.7
6132	1.7
6142	1.7
6152	1.7
6162	1.7
6212	2.8
6222	2.8
6232	2.8
6242	2.8
6252	2.8
6262	2.8
6312	2.7
6322	2.7
6332	2.7
6342	2.7
6352	2.7
6362	2.7
6412	2.7
6422	2.7
6432	2.7
6442	2.7
6452	2.7
6462	2.7
6512	4.8
6522	4.8
6532	4.8
6542	4.8
6552	4.8
6562	4.8
6612	2.1
6622	2.1
6632	2.1
6642	2.1
6652	2.1
6662	2.1

11/89 Lamy

HMS_REF2.wk1 asc

HMS_REF3.

33.4
33.4
33.4
33.4
33.4
33.4
33.4
33.4
33.4
33.4
33.4
33.4
33.4
33.4
33.4
33.4
33.4
33.4
33.4
33.4
33.4
33.4
33.4

24.6 06 1.3 4.6 6 10.1

~~32.6~~ 22.4

date	obs. no.	obs cod	d u p	mois tens bar	ac co	moist %	bulk dens g/cm3	hue	val	chr	T	sand	silt	clay
aug 4 89	12	611	3	oven	1	0	1.04	10 yr	3	2		22.5	53	
aug 4 89	6	612	3	oven	1	0	1.04	10 yr	3	2		22.5	53	
aug 10 89	17	613	3	oven	0	0	1.04	10 yr	3	2		22.5	53	
aug 10 89	11	614	3	oven	0	0	1.04	10 yr	3	2		22.5	53	
oct 9 89	28	615	3	oven	1	0	1.04	10 yr	3	2		22.5	53	
oct 9 89	34	616	3	oven	1	0	1.04	10 yr	3	2		22.5	53	
jun 26 89	9	111	3	air	0	2.8	1.04	10 yr	3	2		22.5	53	
jun 26 89	10	112	3	air	0	2.7	1.04	10 yr	3	2		22.5	53	
jun 26 89	19	113	3	air	0	2.6	1.04	10 yr	3	2		22.5	53	
oct 9 89	6	114	3	air	1	2.7	1.04	10 yr	3	2		22.5	53	
oct 9 89	7	115	3	air	1	2.7	1.04	10 yr	3	2		22.5	53	
oct 9 89	17	116	3	air	1	2.7	1.04	10 yr	3	2		22.5	53	
jun 2 89	17	211	3	15	0	11.8	1.04	10 yr	3	2		22.5	53	
jun 9 89	18	212	3	15	0	11.7	1.04	10 yr	3	2		22.5	53	
jun 14 89	16	213	3	15	1	12.3	1.04	10 yr	3	2		22.5	53	
jul 6 89	21	214	3	15	1	12.2	1.04	10 yr	3	2		22.5	53	
oct 10 89	6	215	3	15	1	12.7	1.04	10 yr	3	2		22.5	53	
oct 10 89	10	216	3	15	1	12.6	1.04	10 yr	3	2		22.5	53	
oct 10 89	14	217	3	15	1	12.5	1.04	10 yr	3	2		22.5	53	
jun 29 89	34	511	3	2.4	1	22.4	1.04	10 yr	3	2		22.5	53	
jun 29 89	36	512	3	2.4	0	22.9	1.04	10 yr	3	2		22.5	53	
jun 29 89	42	513	3	2.4	1	22.6	1.04	10 yr	3	2		22.5	53	
oct 13 89	14	514	3	2.4	0	20.5	1.04	10 yr	3	2		22.5	53	
oct 13 89	12	515	3	2.4	1	21.3	1.04	10 yr	3	2		22.5	53	
oct 13 89	10	516	3	2.4	0	20.6	1.04	10 yr	3	2		22.5	53	
jun 2 89	23	311	3	0.1	1	35.8	1.04	10 yr	3	2		22.5	53	
jun 9 89	27	312	3	0.1	0	32	1.04	10 yr	3	2		22.5	53	
jul 7 89	36	315	3	0.1	1	36.7	1.04	10 yr	3	2		22.5	53	
jun 2 89	30	411	3	0.01	1	42.4	1.04	10 yr	3	2		22.5	53	
jun 9 89	34	412	3	0.01	1	41.4	1.04	10 yr	3	2		22.5	53	

jun	14	89	33	~~413~~ 413	3		0.01	1	41.3	1.04	10	yr	3	2	22.5	53
jun	14	89	28	~~414~~ 414	3	318	0.01	1	40.9	1.04	10	yr	3	2	22.5	53
jul	7	89	31	~~415~~ 415	3		0.01	0	43.3	1.04	10	yr	3	2	22.5	53
aug	4	89	7	~~315~~ 314	3		oven	1	0	1.04	2.5	y	3	2	2.6	50.6
aug	4	89	14	622	3		oven	1	0	1.04	2.5	y	3	2	2.6	50.6
aug	10	89	12	623	3		oven	0	0	1.04	2.5	y	3	2	2.6	50.6
aug	10	89	19	624	3		oven	0	0	1.04	2.5	y	3	2	2.6	50.6
oct	9	89	29	625	3		oven	1	0	1.04	2.5	y	3	2	2.6	50.6
oct	9	89	36	626	3		oven	1	0	1.04	2.5	y	3	2	2.6	50.6
~~oct~~	~~9~~	~~89~~	40	625	3		oven	1	0	1.04	2.5	y	3	2	2.6	50.6
~~oct~~	~~9~~	~~89~~	41	625	3		oven	1	0	1.04	2.5	y	3	2	2.6	50.6
~~oct~~	~~9~~	89	42	625	3		oven	1	0	1.04	2.5	y	3	2	2.6	50.6
jun	26	89	6	121	3		air	0	4	1.04	2.5	y	3	2	2.6	50.6
jun	26	89	13	122	3		air	0	4.2	1.04	2.5	y	3	2	2.6	50.6
jun	26	89	21	123	3		air	0	4.2	1.04	2.5	y	3	2	2.6	50.6
oct	9	89	4	124	3		air	1	4.6	1.04	2.5	y	3	2	2.6	50.6
oct	9	89	11	125	3		air	1	4.6	1.04	2.5	y	3	2	2.6	50.6
oct	9	89	18	126	3		air	1	4.6	1.04	2.5	y	3	2	2.6	50.6
oct	9	89	43	126	3		air	1	4.6	1.04	2.5	y	3	2	2.6	50.6
oct	9	89	44	126	3		air	1	4.6	1.04	2.5	y	3	2	2.6	50.6
jun	2	89	18	221	3		15	0	20.5	1.04	2.5	y	3	2	2.6	50.6
jun	9	89	19	222	3		15	0	20.2	1.04	2.5	y	3	2	2.6	50.6
jun	14	89	17	223	3		15	1	21.1	1.04	2.5	y	3	2	2.6	50.6
jul	7	89	23	224	3		15	1	20.8	1.04	2.5	y	3	2	2.6	50.6
oct	10	89	4	225	3		15	1	20.8	1.04	2.5	y	3	2	2.6	50.6
oct	10	89	11	226	3		15	0	20.3	1.04	2.5	y	3	2	2.6	50.6
oct	10	89	20	227	3		15	0	20.4	1.04	2.5	y	3	2	2.6	50.6
jun	29	89	31	521	3		2.4	0	23.5	1.04	2.5	y	3	2	2.6	50.6
jun	29	89	38	522	3		2.4	0	26.6	1.04	2.5	y	3	2	2.6	50.6
jun	29	89	44	523	3		2.4	0	30.5	1.04	2.5	y	3	2	2.6	50.6
jul	7	89	30	524	3		2.4	1	28.7	1.04	2.5	y	3	2	2.6	50.6
jul	7	89	28	525	3		2.4	0	25.9	1.04	2.5	y	3	2	2.6	50.6
jul	13	89	21	526	3		2.4	0	33	1.04	2.5	y	3	2	2.6	50.6
jul	28	89	10	527	3		2.4	1	28.7	1.04	2.5	y	3	2	2.6	50.6
oct	13	89	9	528	3		2.4	0	27.1	1.04	2.5	y	3	2	2.6	50.6
oct	13	89	13	529	3		2.4	0	27.3	1.04	2.5	y	3	2	2.6	50.6
oct	13	89	11	~~210~~	3	570	2.4	0	27.1	1.04	2.5	y	3	2	2.6	50.6
oct	16	89	15	~~?11~~	3	571	2.4	0	27.1	1.04	2.5	y	3	2	2.6	50.6
oct	16	89	17	~~?12~~	3	572	2.4	0	27.9	1.04	2.5	y	3	2	2.6	50.6
oct	16	89	18	~~?13~~	3	573	2.4	0	28.1	1.04	2.5	y	3	2	2.6	50.6
oct	24	89	5	~~214~~	3	574	2.4	1	28.4	1.04	2.5	y	3	2	2.6	50.6
~~oct~~	~~24~~	~~89~~	6	~~214~~	3	574	2.4	1	28.4	1.04	2.5	y	3	2	2.6	50.6
oct	24	89	7	~~?15~~	3	575	2.4	1	29.3	1.04	2.5	y	3	2	2.6	50.6
oct	24	89	8	~~?16~~	3	576	2.4	1	29	1.04	2.5	y	3	2	2.6	50.6
jun	2	89	24	321	3		0.1	0	42.1	1.04	2.5	y	3	2	2.6	50.6
jun	9	89	28	322	3		0.1	0	41.3	1.04	2.5	y	3	2	2.6	50.6
jun	14	89	27	323	3		0.1	0	41	1.04	2.5	y	3	2	2.6	50.6
jul	28	89	14	327	3		0.1	1	38.6	1.04	2.5	y	3	2	2.6	50.6
jul	28	89	16	328	3		0.1	0	40.2	1.04	2.5	y	3	2	2.6	50.6
jul	28	89	21	329	3		0.1	1	40	1.04	2.5	y	3	2	2.6	50.6
jun	2	89	31	421	3		0.01	1	44.6	1.04	2.5	y	3	2	2.6	50.6
jun	9	89	35	422	3		0.01	1	44.4	1.04	2.5	y	3	2	2.6	50.6
jun	14	89	35	423	3		0.01	0	43.3	1.04	2.5	y	3	2	2.6	50.6
jul	13	89	23	424	3	324	0.01	1	44.3	1.04	2.5	y	3	2	2.6	50.6
jul	13	89	26	425	3	325	0.01	1	44.3	1.04	2.5	y	3	2	2.6	50.6

jul	13	89	31	~~436~~	3326	0.01	1	44.3	1.04	2.5	y	3	2	2.6	50.6
aug	4	89	3	631	3	oven	1	0	1.09	10	yr	3	1	1.8	47.9
aug	4	89	8	632	3	oven	1	0	1.09	10	yr	3	1	1.8	47.9
aug	10	89	8	633	3	oven	0	0	1.09	10	yr	3	1	1.8	47.9
aug	10	89	13	634	3	oven	0	0	1.09	10	yr	3	1	1.8	47.9
oct	9	89	25	635	3	oven	1	0	1.09	10	yr	3	1	1.8	47.9
oct	9	89	30	636	3	oven	1	0	1.09	10	yr	3	1	1.8	47.9
jun	26	89	23	131	3	air	0	4.2	1.09	10	yr	3	1	1.8	47.9
jun	26	89	5	132	3	air	0	4.1	1.09	10	yr	3	1	1.8	47.9
jun	26	89	7	133	3	air	0	4.1	1.09	10	yr	3	1	1.8	47.9
oct	9	89	20	134	3	air	1	5.3	1.09	10	yr	3	1	1.8	47.9
oct	9	89	3	135	3	air	1	5.3	1.09	10	yr	3	1	1.8	47.9
oct	9	89	5	136	3	air	1	5.3	1.09	10	yr	3	1	1.8	47.9
jun	2	89	19	231	3		15	1	23.4	1.09	10	yr	3	1	1.8	47.9
jun	9	89	20	232	3		15	0	22.1	1.09	10	yr	3	1	1.8	47.9
jun	14	89	18	233	3		15	1	23.3	1.09	10	yr	3	1	1.8	47.9
oct	10	89	18	234	3		15	0	22	1.09	10	yr	3	1	1.8	47.9
oct	10	89	3	235	3		15	0	22.4	1.09	10	yr	3	1	1.8	47.9
oct	10	89	5	236	3		15	0	22.5	1.09	10	yr	3	1	1.8	47.9
oct	13	89	2	237	3		15	1	23.2	1.09	10	yr	3	1	1.8	47.9
oct	13	89	7	238	3		15	1	22.9	1.09	10	yr	3	1	1.8	47.9
oct	13	89	4	239	3		15	1	23.4	1.09	10	yr	3	1	1.8	47.9
jun	29	89	46	531	3		2.4	0	32.8	1.09	10	yr	3	1	1.8	47.9
jun	29	89	30	532	3		2.4	1	34.5	1.09	10	yr	3	1	1.8	47.9
jun	29	89	32	533	3		2.4	1	34.7	1.09	10	yr	3	1	1.8	47.9
jun	2	89	25	331	3		0.1	0	38.8	1.09	10	yr	3	1	1.8	47.9
jun	9	89	29	332	3		0.1	1	43.5	1.09	10	yr	3	1	1.8	47.9
jun	14	89	26	333	3		0.1	0	38.9	1.09	10	yr	3	1	1.8	47.9
jul	7	89	37	334	3		0.1	1	43.8	1.09	10	yr	3	1	1.8	47.9
jun	2	89	32	~~337~~	3431		0.1	1	42.7	1.09	10	yr	3	1	1.8	47.9
jun	9	89	36	432	3		0.01	1	44.4	1.09	10	yr	3	1	1.8	47.9
jun	14	89	34	433	3		0.01	1	44.2	1.09	10	yr	3	1	1.8	47.9
jul	7	89	35	~~434~~	3335		0.01	1	45.2	1.09	10	yr	3	1	1.8	47.9
jul	7	89	32	~~435~~	3336		0.01	1	44.4	1.09	10	yr	3	1	1.8	47.9
aug	4	89	15	641	3	oven	1	0	1.03	10	yr	4	2	6.1	78.6
aug	4	89	10	642	3	oven	1	0	1.03	10	yr	4	2	6.1	78.6
aug	10	89	20	643	3	oven	0	0	1.03	10	yr	4	2	6.1	78.6
aug	10	89	15	644	3	oven	0	0	1.03	10	yr	4	2	6.1	78.6
oct	9	89	37	645	3	oven	1	0	1.03	10	yr	4	2	6.1	78.6
oct	9	89	32	646	3	oven	1	0	1.03	10	yr	4	2	6.1	78.6
jun	26	89	11	141	3	air	0	1.9	1.03	10	yr	4	2	6.1	78.6
jun	26	89	4	142	3	air	0	1.9	1.03	10	yr	4	2	6.1	78.6
jun	29	89	16	143	3	air	0	1.8	1.03	10	yr	4	2	6.1	78.6
oct	9	89	9	144	3	air	1	1.8	1.03	10	yr	4	2	6.1	78.6
oct	9	89	2	145	3	air	1	1.8	1.03	10	yr	4	2	6.1	78.6
oct	9	89	21	146	3	air	1	1.8	1.03	10	yr	4	2	6.1	78.6
jun	2	89	20	241	3		15	1	23.2	1.03	10	yr	4	2	6.1	78.6
jun	9	89	21	242	3		15	0	22.4	1.03	10	yr	4	2	6.1	78.6
jul	7	89	20	244	3		15	1	22.5	1.03	10	yr	4	2	6.1	78.6
jul	13	89	19	245	3		15	0	24.4	1.03	10	yr	4	2	6.1	78.6
jul	28	89	8	246	3		15	0	22.3	1.03	10	yr	4	2	6.1	78.6
oct	10	89	7	247	3		15	1	22.6	1.03	10	yr	4	2	6.1	78.6
oct	10	89	2	248	3		15	1	22.6	1.03	10	yr	4	2	6.1	78.6
oct	10	89	19	249	3		15	0	22.3	1.03	10	yr	4	2	6.1	78.6

jun	29	89	43	541	3		2.4	1	30.7	1.03	10 yr	4	2	6.1 78.6
jun	22	89	27	542	3		2.4	1	30.1	1.03	10 yr	4	2	6.1 78.6
jun	22	89	35	543	3		2.4	1	30.3	1.03	10 yr	4	2	6.1 78.6
jun	14	89	19	~~544~~	3	245	2.4	0	32.4	1.03	10 yr	4	2	6.1 78.6
jun	2	89	26	341	3		0.1	0	50.9	1.03	10 yr	4	2	6.1 78.6
jul	7	89	38	345	3		0.1	0	47.5	1.03	10 yr	4	2	6.1 78.6
aug	4	89	17	~~?11~~	3	382	0.1	1	52.3	1.03	10 yr	4	2	6.1 78.6
aug	10	89	~~22~~	~~212~~	3	383	0.1	1	51.7	1.03	10 yr	4	2	6.1 78.6
jun	2	89	33	441	3		0.01	~~1~~ 0	53.1	1.03	10 yr	4	2	6.1 78.6
jun	9	89	30	~~444~~	3	342	0.01	1	53.7	1.03	10 yr	4	2	6.1 78.6
jul	7	89	34	~~445~~	3	344	0.01	0	54.8	1.03	10 yr	4	2	6.1 78.6
jul	28	89	20	~~446~~	3	349	0.01	1	54.5	1.03	10 yr	4	2	6.1 78.6
jul	28	89	12	~~447~~	3	381	0.01	1	54.6	1.03	10 yr	4	2	6.1 78.6
aug	10	89	~~24~~	~~448~~	3	385	0.01	1	54.8	1.03	10 yr	4	2	6.1 78.6
jun	14	89	25	343	3		0.1	~~1~~ 0	57.2	1.03	10 yr	4	2	6.1 78.6
jul	13	89	29	346	3		0.1	1	56.2	1.03	10 yr	4	2	6.1 78.6
jun	9	89	?37	442	3		0.01	~~0~~ 1	56.2	1.03	10 yr	4	2	6.1 78.6
jun	14	89	30	443	3		0.01	~~0~~ 1	56.1	1.03	10 yr	4	2	6.1 78.6
aug	4	89	11	651	3	oven	1	0	0.9		10 yr	3	1	7.4 72.5
aug	4	89	4	652	3	oven	1	0	0.9		10 yr	3	1	7.4 72.5
aug	10	89	16	653	3	oven	0	0	0.9		10 yr	3	1	7.4 72.5
aug	10	89	9	654	3	oven	0	0	0.9		10 yr	3	1	7.4 72.5
oct	9	89	33	655	3	oven	1	0	0.9		10 yr	3	1	7.4 72.5
oct	9	89	26	656	3	oven	1	0	0.9		10 yr	3	1	7.4 72.5
jun	26	89	16	151	3	air	0	2.7	0.9		10 yr	3	1	7.4 72.5
jun	26	89	18	152	3	air	0	2.7	0.9		10 yr	3	1	7.4 72.5
jun	29	89	22	153	3	air	0	2.8	0.9		10 yr	3	1	7.4 72.5
oct	9	89	13	154	3	air	1	2.9	0.9		10 yr	3	1	7.4 72.5
oct	9	89	16	155	3	air	1	2.9	0.9		10 yr	3	1	7.4 72.5
oct	9	89	19	156	3	air	1	2.9	0.9		10 yr	3	1	7.4 72.5
jun	2	89	21	251	3		15	1	12.2	0.9	10 yr	3	1	7.4 72.5
jun	9	89	22	252	3		15	0	11.6	0.9	10 yr	3	1	7.4 72.5
jun	14	89	20	253	3		15	1	12.7	0.9	10 yr	3	1	7.4 72.5
oct	10	89	13	254	3		15	1	12.1	0.9	10 yr	3	1	7.4 72.5
oct	10	89	21	255	3		15	1	11.9	0.9	10 yr	3	1	7.4 72.5
oct	10	89	17	256	3		15	0	11.8	0.9	10 yr	3	1	7.4 72.5
jun	29	89	28	551	3		2.4	0	19	0.9	10 yr	3	1	7.4 72.5
jun	29	89	41	552	3		2.4	0	19.9	0.9	10 yr	3	1	7.4 72.5
jun	29	89	45	553	3		2.4	0	19.8	0.9	10 yr	3	1	7.4 72.5
jul	7	89	24	554	3		2.4	1	22.2	0.9	10 yr	3	1	7.4 72.5
jul	7	89	27	555	3		2.4	1	22	0.9	10 yr	3	1	7.4 72.5
jun	2	89	27	351	3		0.1	0	46	0.9	10 yr	3	1	7.4 72.5
jun	9	89	31	352	3		0.1	0	43	0.9	10 yr	3	1	7.4 72.5
jun	14	89	23	353	3		0.1	0	42.9	0.9	10 yr	3	1	7.4 72.5
jul	7	89	39	354	3		0.1	1	45	0.9	10 yr	3	1	7.4 72.5
jul	13	89	?32	356	3		0.1	0	46.5	0.9	10 yr	3	1	7.4 72.5
jul	28	89	23	~~359~~	3	456	0.1	1	45.5	0.9	10 yr	3	1	7.4 72.5
jun	9	89	?38	~~?10~~	3	452	0.1	0	46	0.9	10 yr	3	1	7.4 72.5
jun	2	89	34	451	3		0.01	0	48.7	0.9	10 yr	3	1	7.4 72.5
jun	14	89	31	453	3		0.01	1	47.3	0.9	10 yr	3	1	7.4 72.5
jul	28	89	24	457	3		0.01	1	48.1	0.9	10 yr	3	1	7.4 72.5
aug	4	89	18	458	3		0.01	0	49.3	0.9	10 yr	3	1	7.4 72.5
aug	4	89	19	459	3		0.01	1	47.2	0.9	10 yr	3	1	7.4 72.5
aug	4	89	20	~~?10~~	3	491	0.01	0	49.5	0.9	10 yr	3	1	7.4 72.5
jul	13	89	27	~~?11~~	3	355	0.01	0	48.3	0.9	10 yr	3	1	7.4 72.5

jul	28	89	17	~~?12~~	3357	0.01	0	49.5	0.9	10	yr	3	1	7.4	72.5
jul	28	89	22	~~?13~~	3358	0.01	1	48.1	0.9	10	yr	3	1	7.4	72.5
jul	13	89	33	454	3	0.01	1	51.1	0.9	10	yr	3	1	7.4	72.5
jul	13	89	34	455	3	0.01	1	51	0.9	10	yr	3	1	7.4	72.5
aug	4	89	5	661	3	oven	1	0	1.06	10	yr	3	1	5.7	61
aug	4	89	13	662	3	oven	1	0	1.06	10	yr	3	1	5.7	61
aug	10	89	10	663	3	oven	0	0	1.06	10	yr	3	1	5.7	61
aug	10	89	18	664	3	oven	0	0	1.06	10	yr	3	1	5.7	61
oct	9	89	27	665	3	oven	1	0	1.06	10	yr	3	1	5.7	61
oct	9	89	35	666	3	oven	1	0	1.06	10	yr	3	1	5.7	61
jun	26	89	17	161	3	air	0	3.3	1.06	10	yr	3	1	5.7	61
jun	26	89	15	162	3	air	0	3.4	1.06	10	yr	3	1	5.7	61
jun	29	89	12	163	3	air	0	3.3	1.06	10	yr	3	1	5.7	61
oct	9	89	14	164	3	air	1	3.5	1.06	10	yr	3	1	5.7	61
oct	9	89	12	165	3	air	1	3.5	1.06	10	yr	3	1	5.7	61
oct	9	89	10	166	3	air	1	3.5	1.06	10	yr	3	1	5.7	61
jun	9	89	23	261	3	15	0	18.5	1.06	10	yr	3	1	5.7	61
jun	9	89	24	262	3	15	0	18.5	1.06	10	yr	3	1	5.7	61
jun	14	89	21	263	3	15	1	19.1	1.06	10	yr	3	1	5.7	61
jul	7	89	22	264	3	15	1	18.9	1.06	10	yr	3	1	5.7	61
oct	10	89	16	265	3	15	0	18.7	1.06	10	yr	3	1	5.7	61
oct	10	89	12	266	3	15	0	18.5	1.06	10	yr	3	1	5.7	61
oct	10	89	9	267	3	15	0	18.7	1.06	10	yr	3	1	5.7	61
oct	13	89	3	268	3	15	1	19.2	1.06	10	yr	3	1	5.7	61
oct	13	89	6	269	3	15	1	19.2	1.06	10	yr	3	1	5.7	61
oct	13	89	5	~~?10~~	3270	15	0	18.5	1.06	10	yr	3	1	5.7	61
jun	29	89	39	561	3	2.4	0	28.1	1.06	10	yr	3	1	5.7	61
jun	29	89	29	562	3	2.4	0	26.4	1.06	10	yr	3	1	5.7	61
jun	29	89	37	563	3	2.4	0	27.6	1.06	10	yr	3	1	5.7	61
jul	7	89	25	564	3	2.4	1	29.2	1.06	10	yr	3	1	5.7	61
jul	7	89	29	565	3	2.4	0	31.3	1.06	10	yr	3	1	5.7	61
jul	13	89	20	566	3	2.4	0	31.4	1.06	10	yr	3	1	5.7	61
jul	13	89	22	567	3	2.4	0	33.5	1.06	10	yr	3	1	5.7	61
jul	28	89	9	568	3	2.4	1	29.2	1.06	10	yr	3	1	5.7	61
jul	28	89	11	569	3	2.4	1	29.4	1.06	10	yr	3	1	5.7	61
jun	2	89	29	361	3	0.1	0	38.8	1.06	10	yr	3	1	5.7	61
jun	9	89	32	362	3	0.1	0	38.8	1.06	10	yr	3	1	5.7	61
jun	14	89	24	363	3	0.1	1	39.9	1.06	10	yr	3	1	5.7	61
jul	28	89	15	367	3	0.1	1	40.6	1.06	10	yr	3	1	5.7	61
jun	2	89	35	461	3	0.01	1	42	1.06	10	yr	3	1	5.7	61
jun	9	89	39	462	3	0.01	1	41.2	1.06	10	yr	3	1	5.7	61
jun	14	89	36	463	3	0.01	1	42.7	1.06	10	yr	3	1	5.7	61
jul	13	89	25	~~464~~	3360	0.01	1	41.4	1.06	10	yr	3	1	5.7	61
jul	28	89	18	~~465~~	3366	0.01	1	41.7	1.06	10	yr	3	1	5.7	61
jul	13	89	28	364	3	0.1	1	44	1.06	10	yr	3	1	5.7	61

Etika - REF. WK1

11/89

date	obs. no.	obs cod	d u p	mois tens bar	acmoist co %	bulk dens g/cm3	hue	val	chr
							← obs code		
oct 16 89	2	u		air	30	-1			
oct 16 89	3	m32		air	13	332			
oct 16 89	4	m53		air	12	353			
oct 16 89	5	kc52		air	2.7	~52			
oct 16 89	6	k51		air	2.6	151			
oct 16 89	8	kc51		air	2.3	251			
oct 16 89	9	k33		air	2.5	133			
oct 16 89	10	m52		air	11.1	352			
oct 16 89	11	k32		air	2.7	132			
oct 16 89	12	m31		air	14.9	331			
oct 16 89	13	k31		air	2.7	131			
oct 16 89	14	m51		air	15.3	351			
oct 24 89	2	m31		air	15.2	331			
oct 24 89	3	m32		air	12.2	332			
oct 24 89	4	m33		air	15.3	333			