

FALL 2002 MAINTENANCE PASS SPECIFIC POINTS OF EMPHASIS (Ver 1.00). To be completed by 12-20-2002.

Note: This signed ORIGINAL must be submitted to the Mesonet F&L Operations Manager for a station visit to be counted against the required visit quota. (Please use **BLACK INK** for this form to facilitate scanning.)

SITE ID	DATE	ARRIVAL TIME (GMT)	DEPARTURE TIME (GMT)	Tech(s)
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1. Photos of Station, Soil Temp, Heat Flux, and Soil Moisture Plots Taken Upon Arrival

- Soil temperature plots | **SP1; BP1**
- Heat Flux & SPRT plots | **HA1 (East); HC1 (Center); HB1 (West)**
- Inside SE to NW photo across site showing veg height gauge placed 6ft S and 6 ft E of tower taken @ veg height | **IH1**
- Outside photo from the south showing vegetation height gauge placed 10 ft S of south fence taken @ veg height | **OH**
- Soil moisture | **SS1; SN1**
- Net rad footprint | **NF1**

2. Vegetation Maintenance

- Vegetation at required height (**See reverse side for guidelines**)
- Bare** plot _____% covered with veg. upon arrival | Vegetation removed: Yes No | Sterilant applied: Yes No
- Bare** plot edging installed correctly: Yes No | Corrected: Yes No
- Bare** depth indicator correct on arrival: Yes No-> _____ cm Too Deep Too Shallow | Corrected: Yes No
- Sod** depth indicator correct on arrival: Yes No-> _____ cm Too Deep Too Shallow | Corrected: Yes No

3. Conduct Pre- and Post-Cleaning Rain Gauge Drip Tests (Location 45 on Keypad with Rain Shunt)

SERIAL NO.	TIME	# of TIPS at START	# of TIPS at FINISH	# of TIPS for TEST	TIPS EXPECTED	ERROR TIPS
Pre-Cleaning						
Post-Cleaning						
Extra - as needed						

4. General Maintenance (Enter Y or N in every box) [*NOTE* Clean IRT lens with Methanol and Q-Tip]

CLEANING/LEVELING	CLEAN ON ARRIVAL	CLEANED	LEVEL ON ARRIVAL	LEVELED	CLEANING	CLEAN ON ARRIVAL	CLEANED	WIND SPEED	NOISY BEARINGS	CUPS CLEANED
SRAD					T&RH Shelter			WSPD		-----
RNET					TA15 Shelter			WS2M		
IRT					TA9M Shelter			WS35		
RAIN					Solar Panel			WS9M		
CNR1					Battery Terminals					
KRYPTON					Volt Reg Terminals					
SONIC										

5. MesoComp Results – If performed at this site

	RELH	TAIR	TA15	SRAD	PRES
1 min. err					
5 min. err					
15 min. err					

6. Sensor Replacements

Equip. Type	S/N Removed	S/N Installed	TT # (if any)	Ops Notified	Comment

7. Photos of Station, Soil Temp, Heat Flux, and Soil Moisture Plots Taken Upon Departure

- Soil temperature plots | **SP2; BP2**
- Heat Flux & SPRT plots | **HA2 (East); HC2 (Center); HB2 (West)**
- Inside SE to NW photo across site showing veg height gauge placed 6ft S and 6 ft E of tower taken @ veg height | **IH2**
- Inside photo from NW fence corner to SE showing extent of 3-inch cut | **CH**
- Soil moisture | **SS2; SN2**
- Net rad footprint | **NF2**

- Desiccant Replaced** (At least every 6 months, replace 4 packs of desiccant and write date on new packs at edge)
- Station departure time from data logger (* 5 mode) recorded at top of form and logger placed in * 0 mode just before securing data logger enclosure**

(PLEASE SEE BACK FOR PASS 'NOTES' SECTION AND REMINDERS)

Tech Signature _____ Date Submitted to F&L Mgr _____ Date Received by F&L Mgr _____

