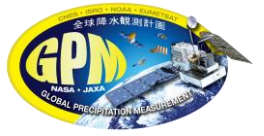


# SITE PREPARATION



Weed trimming around instrument area and down to bare Earth



Once ground is bare lay down weed barrier cloth or tarp 4 foot by 8 foot



Layout six 50 lbs bags of stone and rake level

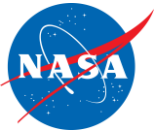


Tamp and level stone



Arrange paver blocks in the pattern shown. Level blocks





# GAUGE REMOVAL FROM CRATE AND DEPLOYMENT



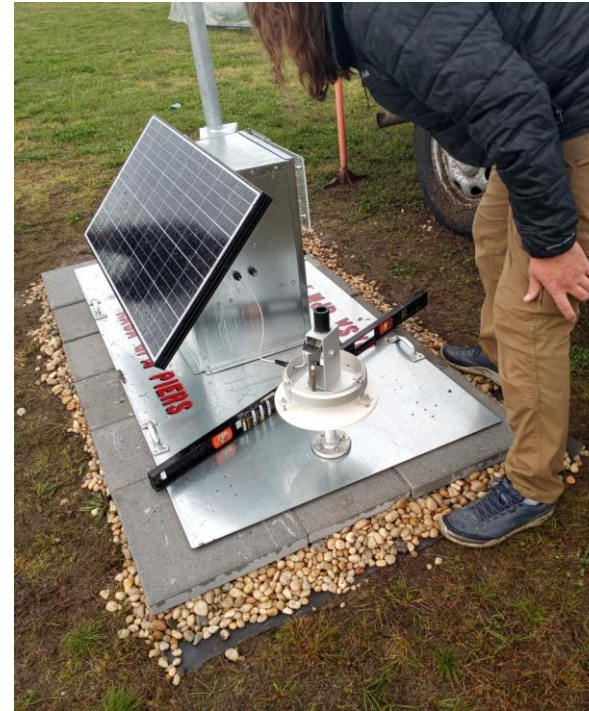
Your PEIRS gauge after removing the top. Remove the 4 sides before trying to lift the instrument.



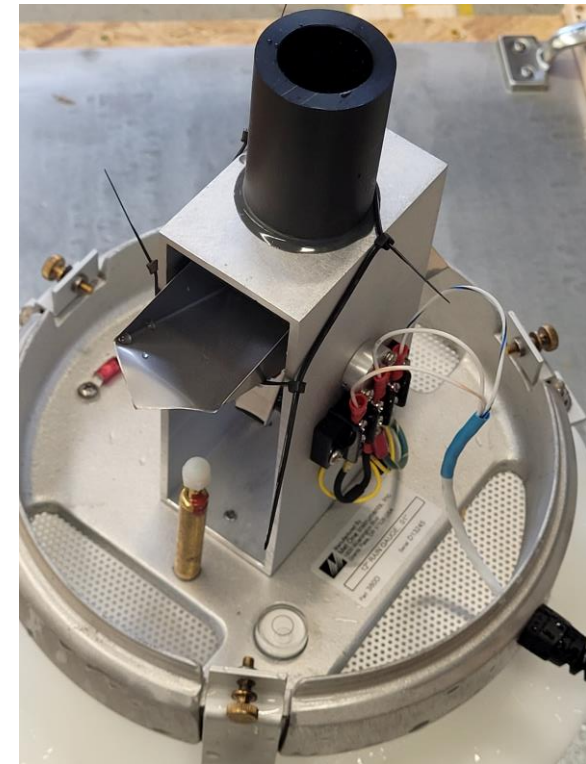
Once the 4 sides have been removed. Remove the 2 shipping hold downs. When lifting, moving and setting up the gauge, you may want to have 4 people as the unit weighs **155 lbs**



Set the gauge on the leveled paver blocks. Check the instrument platform is still level and adjust if needed.

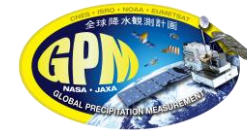


Remove the outer housing assembly from each tipping bucket gauge. Remove shipping restraint (zip ties) from sensor bucket and verify that bucket moves freely. Check the bubble level of each and adjust accordingly using the nuts above and below the mounting feet.





# GAUGE DEPLOYMENT AND DATAFLOW VERIFICATION

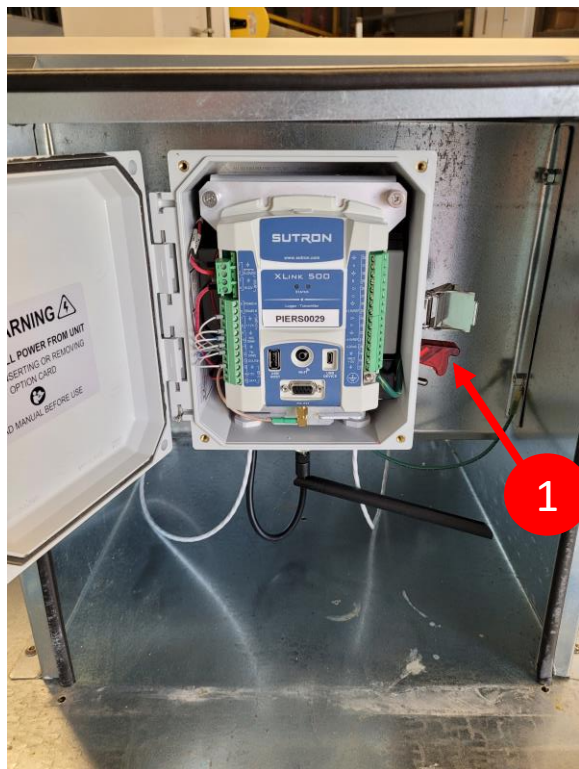


Open the gauge enclosure and applied the power to the unit by flipping down the main toggle switch (1). Now you should be seeing the status LED light blinking red. Once the unit acquires the cell signal which could take 2-3 min and the unit gets successfully online you should be seeing a green blinking LED light (2)



If you have any issues during the installation, please don't hesitate to contact Alexey Chibisov:

Email: [alexey.v.chibisov@nasa.gov](mailto:alexey.v.chibisov@nasa.gov)  
Cell. 302-359-8953



Tip each bucket a few times to make sure the data being recorded and reported to server. Online gauge report gets updated every 15 minutes.  
<https://wallops-prf.gsfc.nasa.gov/Gauge/index.php>

**Global Precipitation Measurement**

**Wallops PRF High-Density Gauge Network**

A network of 25 individual gauge platforms (one gauge per platform) that were deployed in a 5 km x 5 km area near Nassauvilles, VA area from April 2012 to July 2013. Note that the NPOL radar has been deployed in the Newark, MD area, the network has been moved to the Pocomoke area.

Current Report Date: 06/23/2023  
Report generated 06/23/2023 @ 12:00:06 Local (06/23/2023 @ 16:00:06 UTC)

GaugeID	Site Name	Packets	Mean Voltage	Mean RSSI	Bits [N]	Tips	Accums [in]	Accums [mm]
PIERS0001	[WFF Pad]	6499	13.18	-88.66	-12.90	31/05	0 31/0 35	7.8748.89
PIERS0002	[Haywards_Lot]	6499	13.14	-87.00	0.00	21/21	0 21/0 21	8.53445.334
PIERS0003	[William_St_Well]	6499	13.06	-89.25	-8.33	12/13	0 12/0 13	3.04803.302
PIERS0004	[Sumner_Hill]	6499	13.08	-83.29	0.00	19/19	0 19/0 19	4.82884.828
PIERS0005	[American_Leigon]	6499	13.15	-57.22	12.50	8/7	0 08/0 07	2.03271.778
PIERS0006	[Doc_Johnson]	6499	13.13	-78.00	10.00	10/9	0 1/0 09	2.542.288
PIERS0007	[LeVeque]	6499	13.15	-87.00	-1.48	67/68	0 67/0 68	17.01817.272
PIERS0011	[Pocomoke_MS]	6499	13.13	-73.25	-9.06	11/12	0 11/0 12	2.7843.048
PIERS0012	[Pocomoke_MS]	6499	13.19	-60.75	-14.29	7/8	0 07/0 08	1.7782.032
PIERS0024	[Silva_Rd]	6499	13.15	-88.00	-8.33	12/11	0 12/0 11	3.04802.784
PIERS0027	[WFF Pad (GDR site)]	6499	13.87	-83.50	0.00	00/00	0 00/0 00	7.8207.82
PIERS0028	[WFF Pad (GAIL Trailer)]	6499	14.14	-74.75	0.00	33/31	0 33/0 31	8.3637.874
PIERS0029	[UMES]	6499	12.84	-57.00	3.45	29/28	0 29/0 28	7.3607.112
PIERS0031	[WFF Pad (Xavier University Testing)]	6499	13.20	-105.41	3.12	32/31	0 32/0 31	8.1287.874
PIERS0032	[WFF Pad (Texas Tech University Testing)]	6499	13.26	-183.78	0.00	32/32	0 32/0 32	8.1288.128
PIERS0034	[WFF Pad (Praine View AS&M University Testing)]	6499	12.89	-96.75	3.12	32/31	0 32/0 31	8.1287.874
PIERS0035	[WFF Pad (Praine View AS&M University Testing)]	6499	12.81	-78.89	-12.90	31/05	0 31/0 35	7.8748.89
PIERS0036	[WFF Pad (Hampton University Testing)]	6499	12.83	-93.78	3.12	32/31	0 32/0 31	8.1287.874
PIERS0037	[WFF Pad (UMBC Testing)]	6499	13.21	-104.94	0.00	32/32	0 32/0 32	8.1288.128

Self-Reporting Gauge Platforms

