

Bumps in the Night!!!!

December 2016 - Issue No. 75

Tools of the Trade

Magnetic Storm Applications

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In addition to the weather conditions on the day/night of an investigation we also track the Space Weather Conditions to see if things like solar flares can affect the activity. The two applications we use to do that is the NOAA site of <http://www.swpc.noaa.gov/> and a cell application called MagStorms. That information is recorded in our Ghost Tracker database. We track this information for each client and in the future hope to be able to see if any activity correlates to these events. The R is for Radio Blackout Impacts, the S for Solar Radiation Storm Impacts, and the G for Geomagnetic Storm Impacts. We also review the Particle Flux on that day. To learn more about these terms and more go to the NOAA link provided above.

SPACE WEATHER PREDICTION CENTER
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

Friday, November 18, 2016

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SPACE WEATHER CONDITIONS on NOAA Scales

24-Hour Observed Maximums: R (none), S (none), G (none)

Latest Observed: R (none), S (none), G (none)

Predicted 2016-11-18 UTC: R1-R2 (1%), R3-R5 (1%), S1 or greater (1%), G (none)

Solar Wind Speed: 399 km/sec Solar Wind Magnetic Fields: Bt 4 nT, Bz 0 nT Noon 10.7cm R

Geospace delta B (nT), North America : 2016-09-29 08:43:00 UTC

Executive Order to Prepare Nation for Space Weather Events
published: Monday, November 07, 2016 16:51 UTC
An Executive Order to coordinate efforts to prepare the nation for space weather events by President Obama on 13 Oct. Read the full ord

NWS Fall Safety Campaign is On
published: Monday, November 07, 2016 16:50 UTC
As the days get shorter and temperatures fall, a new round of weather hazards are c

TnT-2016-RH-332

General Investigation Weather and Moon IMF Readings Data Review Data Results Data Logger Other Readings Photo Log Personal Experiences Deburked Clams

Moon Information

Moon Phase: Waxing Crescent, 29% of the Moon is illuminated

Full Moon: Nov 14, 2016

New Moon: Nov 29, 2016

Temperature

Mean / Ave	Max	Min
73 °F	82 °F	63 °F

Moisture

Dew Point (°F): 60 °F

Humidity (%): 70

Wind

Mean / Ave	Max	Gust
11 mph (NNE)	22 mph	28 mph

Weather Information

Date	Time	Point	Humidity	Conditions
11/5/2016	No reading	Laken	0.41	Scattered Clouds
11/5/2016	1:53:00 PM	79.0 °F	55.0 °F	Scattered Clouds
11/5/2016	2:53:00 PM	81.0 °F	55.0 °F	Scattered Clouds

GEOMAGNETIC INDEX

A-INDEX

13/11	14/11	15/11
19	08	N/A
26	18	N/A
21	11	10

SOLAR FLARES

NUMBER OF FLARES IN X-RAY

Class-C (low intensity): 0
Class-M (moderate intensity): 0
Class-X (high intensity): 0

PARTICLE FLUX

PROTONS AND ELECTRONS FLUX

electrons with energy > 0.8 MeV
electrons with energy > 2.0 MeV
protons with energy > 1.0 MeV
protons with energy > 10.0 MeV
protons with energy > 100.0 MeV

MAGNETIC STORMS