

The 144 MHz EME NewsLetter

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Peter KA6U adding more Squares to Activity List

During the past months Peter KA6U has added some more squares to his impressive list of “d Expeditioned” locations. His recent activities took place from Louisiana and Mississippi where he was QRV from the grid squares EM50 and EM51 on May 22nd and 23rd.



View at mr from EM50. The other side of the river is already in Mississippi. Water level gradually rose to touch the bottom of the tripod anchors.

This dxpedition was the test of the new station RF system. Peter brought 2 m, 6 m and 222 MHz. There were some initial issues with 6 m and 222 MHz but all were resolved and all bands working well with full power and no problems with RFI.

In EM50 however he had to change locations because once at the site he had picked he noticed extreme rf noise on 144 MHz. Hence, he moved to a boat ramp location straight at the border MS/LA (see picture) where everything was rf quiet. There he also had visits from two ham operators from the area who were very interested in the moon bounce activity. Moreover, many very nice non-ham people stopped by to ask what was going on: during the day Saturday the ramp was very busy with families launching boats.

In EM51 Peter had found a great location in a National Forest, about 150 km north of the EM50 site. This was an extremely rf quiet location. This National Forest buries all powerlines so there was no noise. He set up the station on a small hilltop with a great clearing. At sunset a small herd of deer walked by going down toward the lake at the bottom of the hill. When the generator sped up under TX load they were startled, jumped up in the air and ran down the hill.



The idyllic EM51 location in the National Park. During the 15 hour stay no other people, cars, aircraft flying over.

From both locations he was as usual very successful. Only the EME “demand” was a little less than usual as both squares had been activated by other hams before or had hams living there once that were QRV on EME. This will be very much different next time when KA6U will be QRV from EL39, EL49 and EL59.

Peter is now QRV on three bands, 2 m, 6 m and 222 MHz. And he plans for the 4th band, 70 cm. Except for 1,25 m all bands will have their own Tajfun linear amplifier with a single LDMOS. He can switch the antenna on the tower attached to his car within five minutes. The tower is a 10 m push

up steel mast that uses three screwdrivers inserted through holes drilled in the pipes to hold the masts up. The antennas snap onto a fitting on the top.

On the EME antenna tripod he can switch between 2 m and 1,25 m antenna arrays in 10 minutes and be on the air on the other band within 15 minutes. After changing configurations he carefully tests each link in the system so he doesn't make mistakes and fries equipment. Peter uses the same procedure every time so even if he is tired at night, he won't make mistakes.



Peter's setup for 2 m EME and 1,25 m. Entire configuration can be broken down and packed within < 45 minutes.

Peter is doing all these activities for his personal pleasure and he has great fun to see his station developing and improving. He is happy to do all this on his own budget. However, if you do want to support Peter's activities though you can do that via paypal to petervanh143@gmail.com.

Upcoming DXpeditions

For more information on current and upcoming DXpeditions please have a look at www.mmmonvhf.de from where most of the information here was gathered unless noted otherwise.

KA6U QRV from EL59/EL49/EL39

Peter will be QRV from three very wanted grid squares June 12th to 14th:

- EL39UR - Moonrise 1253UTC 61 degrees June 12
- EL49BR - Moonrise 1346UTC 62 degrees June 13
- EL59DU - Moonrise 1435UTC 65 degrees June 14

For latest info please check his qrz.com site.

Time Table

5 July July Issue of the 144 MHz EME Newsletter ready for download

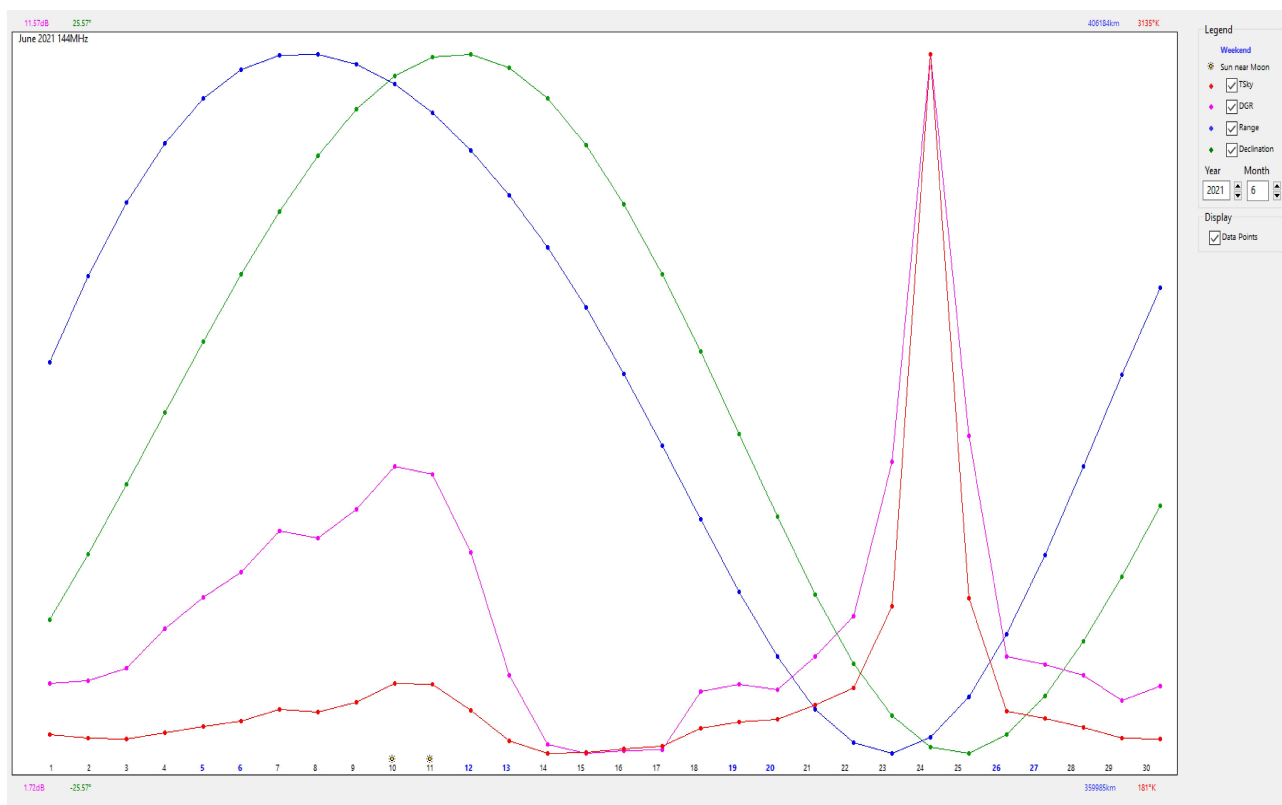
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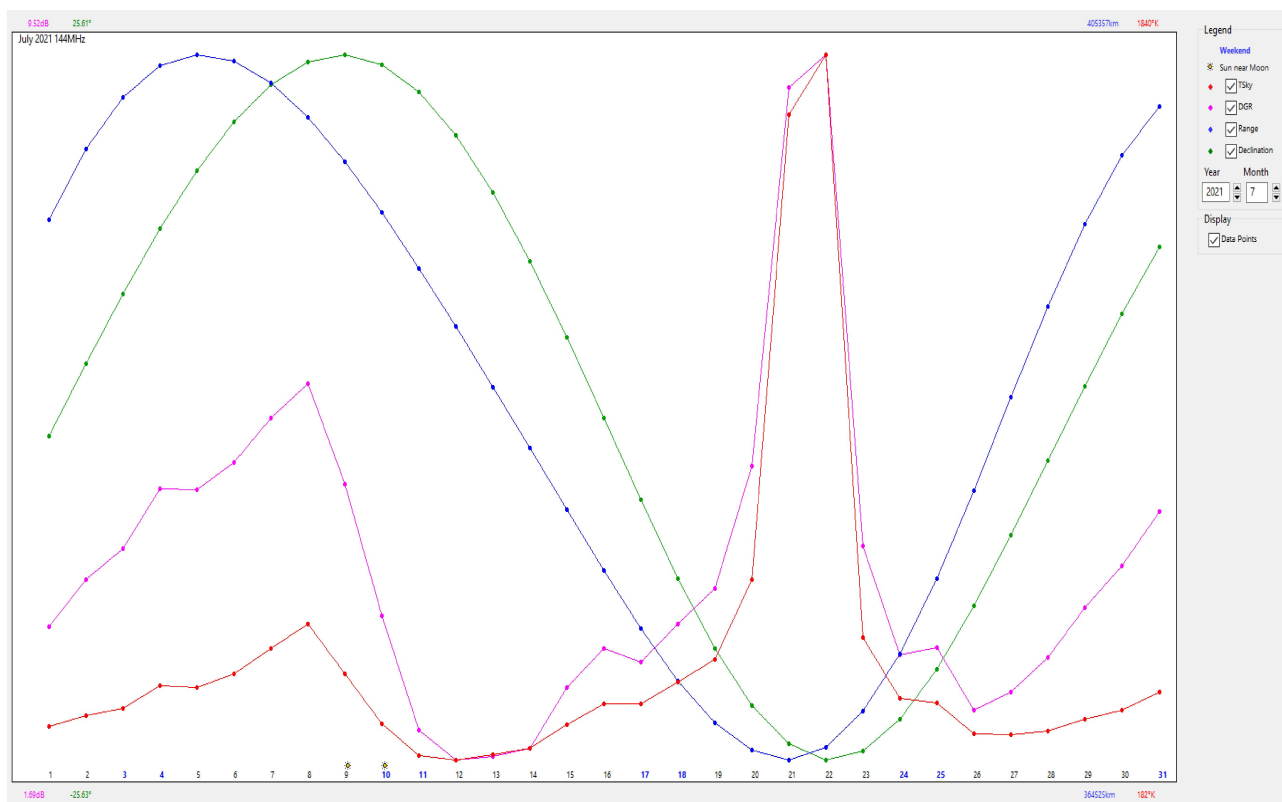
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Moon Conditions



Moon Graph June 2021



Moon Graph May 2021

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