

THE CAYMAN ISLANDS British Overseas Territory Populaton 58,435





What does it take to go on An EME Dxpedition?

Some time, energy and LOTS of equipment...

and planning!

MOONRISE - MOONSET IN CAYMAN IS. EK99ig

	MOONRISE	MOONSET		
	UTC	LOCAL	UTC	LOCAL
Wed. May 20	1309	8:09 AM	0223	9:23 PM
Thur. May 21	1403	9:03 AM	0310	10:10 PM
Fri. May 22	1456	9:56 AM	0358	10:58 PM
Sat. May 23	1548	10:48 AM	0441	11:41 PM
Sun. May 24	1638	11:38 AM	0521	12:21 AM
Mon. May 25	1730	12:30 PM		

Local time is EST or UTC -5 hours

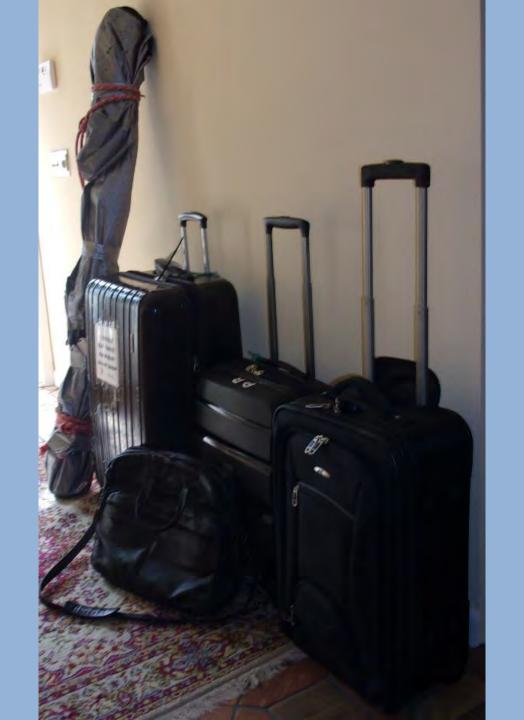
ZF2EM

Along with this moonrise moonset schedule we had 6 pages of satellite pass times. Most of the passes were late at night when we wanted to sleep...

Finally, we decided that we had to go ½ mile from the EME station to work the satellites during the day.

All equipment was set up and running before we left. We made this diagram so we knew where each cable went so we would not have to change COM ports after we arrived.





What we needed to take:

HF/VHF Rig: Icom 7100 HF/6M/2M/440 VHF AMP: IOJXX 1200 Watt 2 meter Amp Two 9 Element 2 Meter Yagis + phasing lines 10 ft. x 1.5" cross boom (from ZF1A) Two antenna to one cable Combiner N to N jumper from combiner to LNA LNA Preamp/Antenna relay and Backup LNA LMR-600 Cable ends (75 ft. cable from ZF1A) Sequencer to control TX/RCV Sequence Control cable from laptop to rig w/interface Control cable from rig to sequencer **Control cable sequencer to Amplifier** Computer to rig audio/data interface and cables Control cable from sequencer to LNA (100 ft) Interface from computer to AZ/EL rotator Control cables from computer to AZ/EL Interface AZ/EL Rotator control + two 100 ft cables Azimuth-Elevation Rotator – Yaesu 5400B

ZF2EM Station license and equipment import waiver from the Cayman Government

Hand Tools
Knife & file
2 rolls electrical tape
1 roll duct tape
Wire ties
Climbing belt

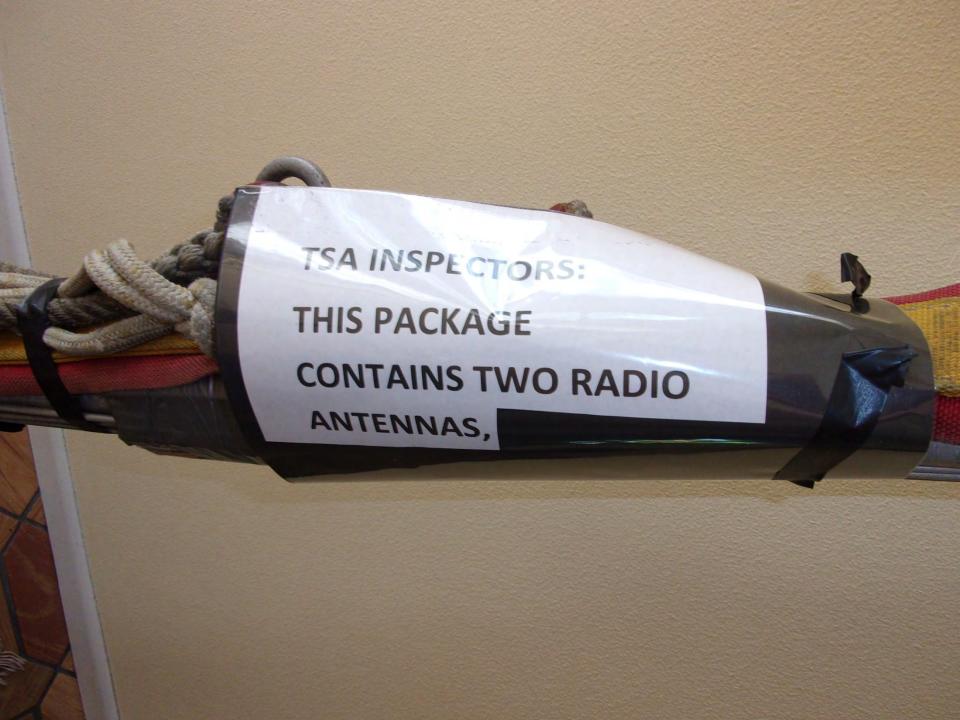
All clamps and hardware For the antennas and AZ/EL Rotator

Spare cables and jumpers (RF/Audio/Ccontrol)

Lots and lots of bubble wrap

3 laptop computers 2 cel phones + 1 tablet

Two 2m/440 HTs w/chargers Two 2m/440 satellite antennas Jumper cables HT-Ant.







The 55 pound limit is tough to stay under with all we had to take.

The sign is more a wish than reality when flying!







Inside the suitcase be sure to have the credentials visible so that when the bag is opened by airline Inspectors they have some idea of why it is all there.





Just some of the boxes We had to take to make It all work right











Any equipment that is fragile and/or has a meter in it must be hand carried to avoid damage:

Icom 7100 control head and rig
1200 watt Amp SWR Bridge
Power supply Rotator Control
3 Laptops, tablets and cel phones





The IOJXX 1200 Watt 2 Meter Amp Was a carry on item, too!



When we arrived, we were told that Andrew, ZF1EJ, who owns the property where the shack is located had poured cement and put in a tilt base for 20 ft. of Rohn 25 on which we mounted the antennas.

We were too busy trying to get it all up that we forgot to take any photos of the antenna assembly or mounting on the tower.

Also mounted on the tower was the AZ/EL rotator, Combiner and LNA/relay unit from the antennas To the shack.

Andrew supplied us with a cross boom pipe and LMR-600 Cable. We supplied the connectors on the cable.













ZF1EJ/ZF1A Log Periodic at 100 feet on a 48 ft. boom





Here is the 2 element 80 meter yagi.

There are phased Verticals for 160 M

Also 2 more tribanders Plus 6 and 2 meter yagis Our 2M pair

Log Periodic C3XR Yagi PRO 67 Tribander 2 el 80 M Yagi

6 &2 M yagis





We stayed at the "Turtle Nest Inn" a nice place On the beach with 2 bedrooms, a living room Dining room and kitchen.







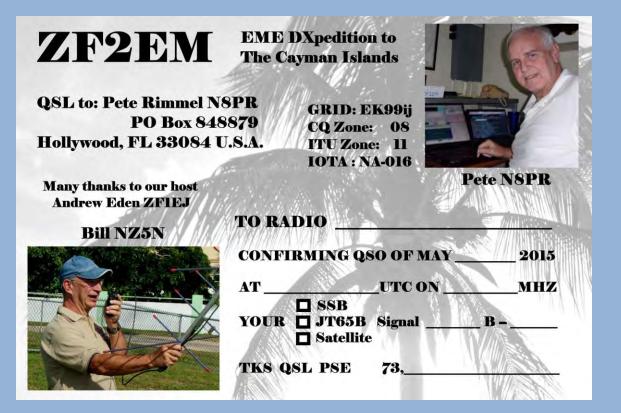




Most people go for the diving and stingray alley







We go for the contact sports!

We made 211 contacts on 2 Meters via EME to 45 countries

We made 313 HF contacts in ~3 hours to 35 Countries

Many Thanks, Andrew, We had a wonderful time!

