

MALAYSIAN AMATEUR RADIO
TRANSMITTERS SOCIETY



TECHNICAL VISIT REPORT INTERNATIONAL LIGHTHOUSE AND LIGHTSHIP WEEKEND 2017 OF 9M4LHN

TANJUNG TUAN LIGHTHOUSE (CAPE RACHARDO) PORT DICKSON
ILLW # MY0001
WLOL # WMA003



9M4LHN

**LIGHT HOUSE CAPE RACHARDO TANJUNG TUAN, PORT DICKSON
PORT DICKSON, NS
02.24.43N, 101.51.13E, NS 71050
WEST MALAYSIA**

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DOCUMENT HISTORY

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Draft	20/08/2017	Jayakanthan	Log Analysis from NIMM to HRD
Ver0.1	21/08/2017	Jayakanthan	QRZ.com Integration & 3D Map Contact Path
Ver0.2	22/08/2017	Jayakanthan	Lighthouse Cape Rachado History Search
Ver0.5	23/08/2017	Jayakanthan	HRDLog.net Submission for Coverage Area
Ver0.9	24/08/2017	Jayakanthan	Event Pictures and caption write-up
Ver0.95	25/06/2017	Jayakanthan	Pre-release for 9M2PRO & 9W2PD Review
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1 INTRODUCTION

This is a Technical Report of the International Lighthouse and Lightship weekend in Port Dickson which took place on 18th – 20th August 2017 at Cape Racado Tanjung Tuan Light House with event callsign 9M4LHN. (9M = Malaysia Prefix , 4=CallArea, LH = LightHouse, N= Negeri Sembilan State Name)

1.1 PURPOSE

To cover the technical aspect of the HF communications and setup with results that was noted by 9W2BUG Jayakanthan as visiting station who came to the location on 2nd day onwards to spend the Weekend with the Operating Team Members. This report is not an official report for the event as the author may have missed some details and aspect for the whole event, but it can be used solely for guidance towards the setup and preparation of Lighthouse Activity for MARTS future reference with the guidance of the referred tools.

1.2 ABBREVIATION

Below are the abbreviations that related to the documents inside this report contents.

Word	Meanings
MARTS	Malaysian Amateur Radio Transmitters Society
ILLW	International Lighthouse and Lightship Weekend
MCMC	Malaysian Communication And Multimedia Commission
NESRAC	Negeri Sembilan Radio Amateur Club
JABATAN LAUT	Marine Department of Malaysia
POLIS	Royal Police of Malaysia
BOM	Bureau Of Metrology, Government of Australia
DX	Distance Extraordinaire
POLIPD	Polytechnic of Port Dickson with Electronics Communication Faculty Student
SKMM	Suruhanjaya Komunikasi dan Multimedia Malaysia (Malay name of MCMC)
Kumpulan Melaka Berhad	Park Entry towards Light house. Area ownership

1.3 REFERENCES

Documents below are in the caretaker of the following:

Material	Reference	Document Location
ASAA	9M4LHN	SKMM & MARTS
Approval letter from Marine Department	Lighthouse	MARTS & Organizing Committee
Acceptance as Station Master	9M2QQ	Station Master
Event Participation as Learning Module	PoliPD	Polytechnic Participation
Permission Entrance of the Park	Lighthouse Area	Khairul - Asst NESRAC Secretary
Communication Equipment & Logs	List & Softcopy	Station Coordinator Rus Rizal



2 CONTENTS

This Technical report covers the Station 9M4LHN at Cape Rachado Tanjung Tuan Lighthouse in Port Dickson that was operated in 2017 for the remembrance and awareness of Navigational Safety along Straits of Melaka that was in operation during Portuguese time since 1511 until to date after the multiple rebuild and restoration since 19th Century.

2.1 ABOUT ILLW EVENT

20th ANNUAL INTERNATIONAL LIGHTHOUSE / LIGHTSHIP WEEKEND

Every 3rd Weekend of August Yearly

0001 UTC 19th AUGUST 2017 TO 2400 UTC 20th AUGUST 2017

(48 hours or part thereof).

Official List of Entrants for the Year 2017 Total= 453



2.2 TEAMS WHICH ARE INVOLVED IN THIS EVENT

Below are the teams listed for the success of this event who are responsible in making it successful from planning, deployment to the successful end.

Involvement	Function
MCMC	Commission of Government Organization Licence Issuer of 9M4LHN
MARTS	National Amateur Radio Organisation to Liaised with MCMC for License
MARINE	Caretaker of Lighthouses in Malaysia for permission
POLIS	Safety of Participants in and out from the high security area.
NESRAC	State Amateur Radio where the land road to lighthouse are located
POLIPD	Local Polytechnic with participating students for their studies and field work.
9M2QQ	HANS-HEINRICH EHLERS, Station Master – CLASS A Licence Holder
9W2KNZ	RUS RIZAL ABD GHANI Station Coordinator and Eqpt Responsibility
9W2PD	RABINDRA HARICHANDRA– Equipment & Facilitator for the Event
9W2VVY	KHAIRUL AZLAN BIN UMAR – NESRAC Asst Secretary for Official Letters
9W2KVE	MOHD FARID (Along) – Operating Station
9W2PQS	MOHAMAD AMIRUL – Operating Station
9W2WEY	AZRUL MUHAIRI – Participation Arrangements
9W2BUG	JAYAKANTHAN – Visiting Station for Technical and Programs

2.3 PARTICIPATING LIGHTHOUSE STATION IN MALAYSIA

Total are 8 participating lighthouse stations in Malaysia for 2017. Taken from [http:// illw.net](http://illw.net)

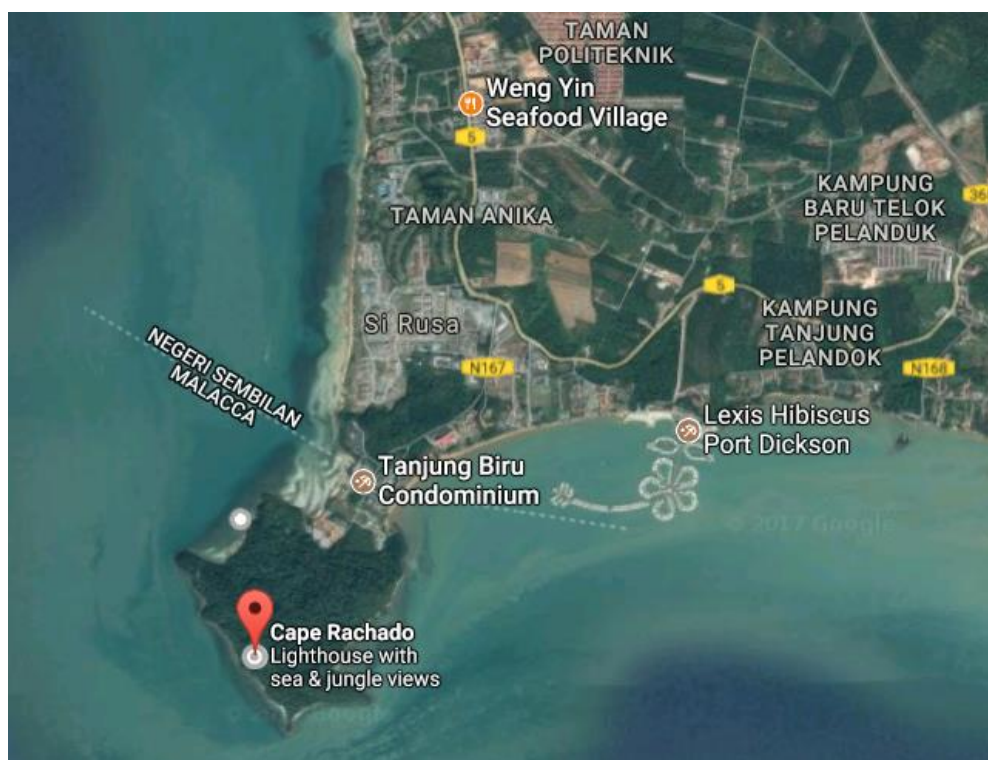
COUNTRY	CALLSIGN	LOCATION	ILLW#	QSL INFO	@
Malaysia	9M4CJS	Bukit Segenting	MY0008	9M2ESM	Web
Malaysia	9M4LHA	Pulau Anqa Lighthouse, Kuala	MY0021	Via 9M2SDX or MARTS buro	
Malaysia	9M4LHB	Altinqsburgh Lighthouse	MY0005	QRZ.com to 9M4CHS, 9M4LHB	Web
Malaysia	9M4LHC	Tq Gelana Lighthouse	MY0002	Via 9M4CHP or MARTS buro	Web
Malaysia	9M4LHM	Tq Lobang Lighthouse Miri	MY0014	Direct to 9W8KIF or via QRZ.com	
Malaysia	9M4LHN	Cape Rachado	MY0001	Via MARTS buro 9W2PD	
Malaysia	9M4LMH	Muka Head. Cancelled	MY0019	Direct to 9M2RUL	
Malaysia 8	9M6SDX	Tinagat Lighthouse (New)	MY0020	See web	Web

3 OPERATING LOCATION

The entire operation activity is inside the lighthouse fenced ground with access permission to the light tower for mounting the antennas by the Authorities.

3.1 LOCATION OF THE LIGHTHOUSE

Google Map view of the Cape Rachado Lighthouse and the surrounding area.



3.2 VIEW OF THE LIGHTHOUSE

Lighthouse of Cape Rachado from the parking lot leading to the tower.





4 DETAILS OF THE LIGHTHOUSE

The Cape Rachado Lighthouse (Malay: Rumah Api Tanjung Tuan) is a lighthouse located in Tanjung Tuan, also known as Cape Rachado, in the territorial District of Alor Gajah, Malacca, Malaysia. But the road leading to this secluded area was in the State territory of Negeri Sembilan under Si Rusa District. The lighthouse is believed to be the oldest in the country, its history allegedly dating back to Portuguese rule of Malacca during the 16th century.

Year first lit	1863 (current)
Construction	masonry tower
Tower shape	cylindrical tower with balcony& lantern
Markings/pattern	white tower and lantern
Height	24 meters (79 ft)
Focal height	118 meters (387 ft) (focal plane)
Current lens	first order Fresnel lens
Range	23 nautical miles (43 km; 26 mi)
Characteristic	Fl (3) W 15s
Admiralty number	F1626
NGA number	21748
ARLHS number	WMA-003



Lighthouse Details taken from Wikipedia

The early history of the lighthouse remains largely unverified, with unofficial accounts by locals tracing the lighthouse's history back to a period following the conquest of Malacca by Portugal in 1511. The Portuguese government in Malacca vested interest in the construction of a lighthouse to guide its ships through the narrow Straits of Malacca, completing the first iteration of the structure on Cape Rachado (a name given by the Portuguese, meaning "Broken Cape") in the 16th century. Possession of the lighthouse was handed over to the Dutch VOC, alongside Malacca in entirety in 1641, and a second version of the building was claimed to have been built in 1817, during temporary rule by the British under William Farquhar, seven years before Malacca's total changeover to the British in 1824.

The present lighthouse was constructed in 1863, during Malacca's status as a British-ruled Straits Settlement, and remains active, as of this report. In 1990, a second concrete tower was built next to the original lighthouse to house EASAT radar for Maritime Enforcement.








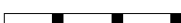



4.1 LIGHT CHARACTER OF CAPE RACHADO

Light Characteristic for Tanjung Tuan Lighthouse (Cape Rachado) is = **FI (3) W 15s.**

FI = Flashing Light
(3) = 3 lights beams
W = White Beams
15s = in the interval of 15seconds

Flashing light

A flashing light is a rhythmic light in which the total duration of the light in each period is clearly shorter than the total duration of the darkness and in which the flashes of light are all of equal duration. It is most commonly used for a single-flashing light which exhibits only single flashes which are repeated at regular intervals, in which case it is abbreviated simply as "FI".

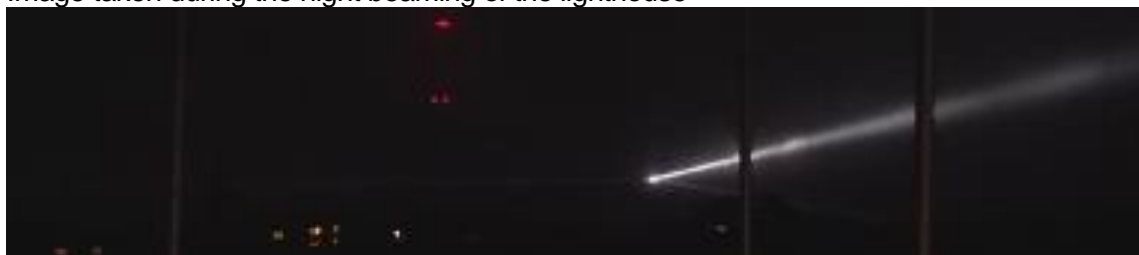
Navigation lights are defined as:		<i>3 flashes every 10 seconds. 62 Metres above MHWS. Visible for 25 Miles. Fixed Red visible 12 Miles on sector of Skerries Bank Horn sounds once every 60 seconds</i>
Start Point – FI(3)10s62m25M & F. R. 12M. Horn(1) 60s		
Light type:		
• Flashing		FI
• Quick Flashing		Q(6)
• Long Flash		L FI R
• Flashing (n) group		FI(3) or Gp FI(3)
• Isophase		Dark = Light
• Occulting		More light than dark
• Fixed		F.G. = Fixed Green (on shore)
• Directional		Dir R
• Morse		Mo (A)
• Colour R(ed) W(hite) G(reen) (all 3 may be present on a Sectored light, eg FI WRG). Y(ellow). If White only, no colour is given		
• Timing 10s - every 10 seconds		
• Height in metres m Distance visible in Miles M		
• Sound signal – Horn, Diaphone, Nautophone etc with timing. Bell		

4.2 IMAGE OF THE FLASHING LIGHT

The pictures below was taken to show the light beams and its visual during darkness for navigational safety which been used by those seafarers without navigational aids.



Image taken during the night beaming of the lighthouse



The Beam of The Tanjung Tuan Lighthouse



Image during sunset of the light at the lighthouse when start of its operation.

5 LOCATION OF LIGHT TOWER

Picture of the Light Tower and surrounding area down the slope which have its own beauty



5.1 SURROUNDING VIEWS

The main area of the fence lighthouse lobby area during the antenna assembly session.





6 POINTING & ELECTROMAGNETIC DIRECTION

The radiated lobes from antenna are best in used if can bring to the unity to create a beaming direction, omnidirectional antenna might not be suitable for DX'ing Frequency like 14Mhz because of coverage and wasted radiation toward poor propagation area, therefore prediction, beacon monitoring and directivity are an important geographical factor to be understood before the total combinations becomes favorable to us as explained in Section 9.

6.1 ANTENNA POINTING DIRECTION

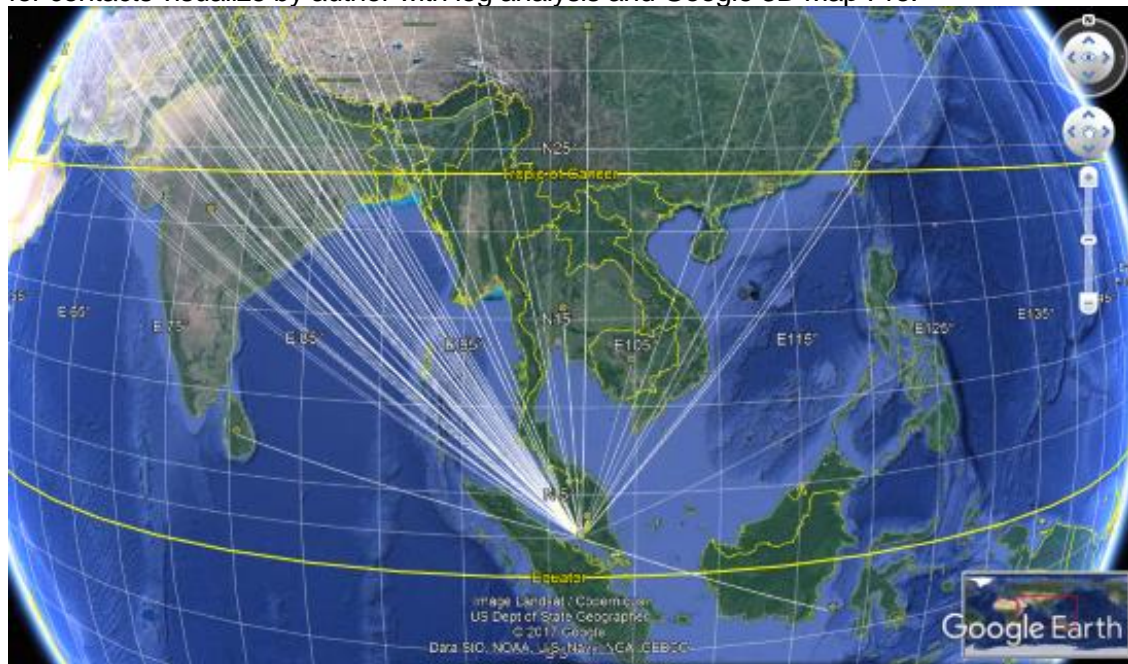
Directional Antenna pointing 310 degree from True North facing Europe at 111meter height from sea level with structural height of 8meters from fiber pole from ground in total 120m.



Image shows the GPS Stat Apps from Android and the Antenna Cushcraft A3S.

6.2 DIRECTION PATH DURING COMMUNICATION

Log analysis of the Contacts which was used to generates the 3D Visualization of short path for contacts visualize by author with log analysis and Google 3D Map Pro.





6.3 COVERAGE AREA

Coverage area from the lighthouse is marked in green for the countries in that continent.



6.4 CONTACTED COUNTRIES

Contacted countries are marked with pin based on Grid Square of the worked station.



Yellow pin indicates 20meter band Freq 14Mhz
Green pin indicates 40meter band Freq 7Mhz

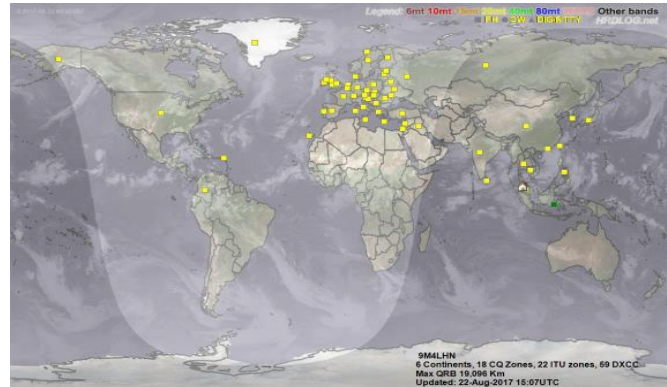


7 CONTACT STATISTIC

As summary of the contacts given below:

Total Contacts: 518 QSO (with successful RST on different band and frequency)

Total Stations Worked : 495
Total Continent Covered : 6
CQ Zone Reached : 18
ITU Zone Reached : 22
Total DXCC : 59
Max QRB : 19096km



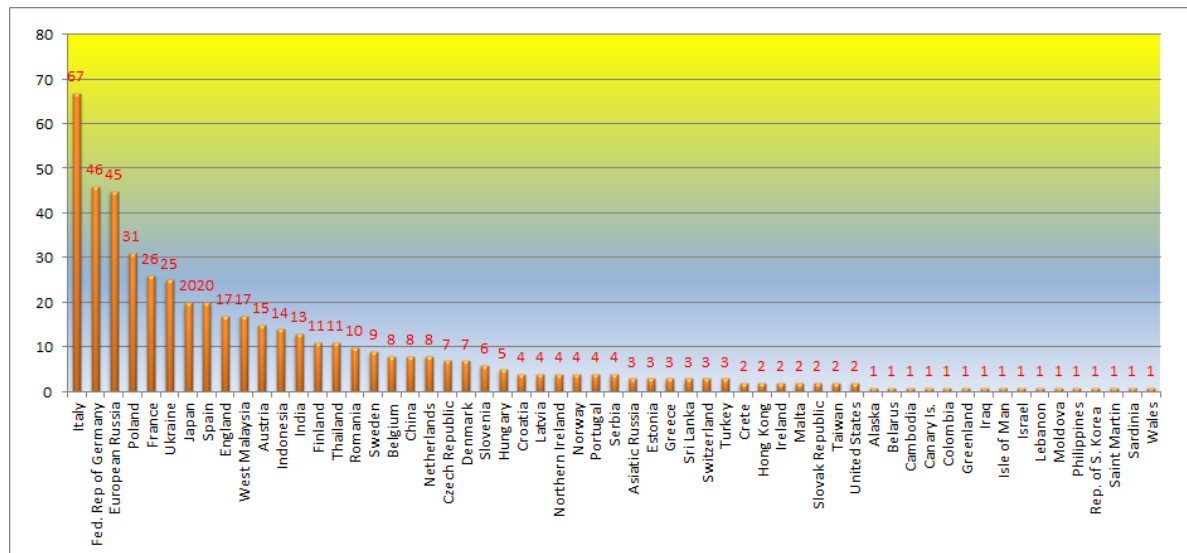
7.1 CONTACTED STATIONS

10 Highest contacted stations are from:

Italy, Germany, Russia, Poland, France, Ukraine, Japan, Spain, England & West Malaysia

16 single entry Contacts are:

Alaska, Belarus, Cambodia, Greenland, Iraq, Isle Of Man, Israel, Lebanon, Moldova, Philippines, South Korea, Saint Martin, Sardinia & Wales



7.2 RESULTS OVERVIEW

No	Category	Total	Contacted	Uncontacted	% Achieved
1	DXCC	346	59	287	17%
2	ITU ZONE	78	22	56	28%
3	CQ ZONE	40	18	22	55%
4	CONTINENTS	7	6	1	85%
5	Contacted Lighthouse	445	9	436	2%



8 CONTACTED LIGHTHOUSE LIST

These are the contacted lighthouse list of the participants in ILLW 2017.

Initial Registered Lighthouse: 453

Cancelled due to some reason: 8

Total Valid Entry: 445


















8.1 9M4LHN CONTACT LIST OF ILLW STATION

Among the 445 entry list, only 9 Lighthouse Stations was contacted.

No	Callsign	Lighthouse	Country	ILLW#
1	9M4LHA	Pulau Angsa Lighthouse, Kuala Selangor	Malaysia	MY0021
2	9M4LHB	Altingsburgh Lighthouse	Malaysia	MY0005
3	9M4LHC	Tg Gelang Lighthouse	Malaysia	MY0002
4	AU2LH	Betul Lighthouse, Goa	India	IN0021
5	OZ5GRE	Fornaes	Denmark 9	DK0010
6	OZ5ESB	Saeddingstrand FYR	Denmark	DK0014
7	SK7L	Segerstad	Sweden	SE0020
8	HB9ILLW	Romanshorn	Switzerland 2	CH0004
9	EI1OHL	Old Head Lighthouse, Kinsale.	Ireland	IE0007

8.2 QRZ INFO OF THE CONTACTED STATIONS

The contact and QSL information are taken from QRZ.com from the Lighthouse contact logs of the contacts from Section 8.1.

<p>9M4LHA </p> <p>Lighthouse Pulau Angsa, Selangor Jalan Limbungan Pulau Angsa, Kuala Selangor, 42007 West Malaysia</p> <p>Man Member Lookups: 39 Label</p>	<p>9M4LHB </p> <p>Altingsburgh Lighthouse Bukit Melawati (Special Call) Jalan Bukit Melawati Selangor Darul Ehsan 45000 West Malaysia</p> <p>QSL: QSL DIRECT TO 9M4LHB (2 USD + SASE) Email: Use mouse to view. Page managed by W6DPO Lookups: 1410 Label</p> 
<p>9M4LHC </p> <p>ILLW (MY0002) International Lighthouse Lightship Weekend Tanjung Gelang Lighthouse Kuantan, Pahang West Malaysia</p> <p>QSL: ONLY DIRECT TO 9W2WVVV (2 USD + SASE) Email: 9w2wvvv@gmail.com Page managed by W6DPO Lookups: 562 Label</p> 	<p>AU2LH </p> <p>International Lighthouse and Lightships Weekend 2017 Betul Lighthouse (IM45) Quitool, Goa, GA 403723 India</p> <p>QSL: Direct SASE via YU2YQ LOTW Page managed by W6DPO Lookups: 292 Label</p> 
<p>OZ5GRE </p> <p>Club Station EDR Grenaa Afdelingen Grenaa Mobile 8500 Denmark</p> <p>QSL: DIRECT TO OZ5LX Email: oz5gre@nuendo.dk Man Member Lookups: 459 Label</p> 	<p>OZ5ESB </p> <p>Club station - Eksperimenterende Danske Radioamatører - Esbjerg P.O. Box 94 DK - 6701 Esbjerg C. Denmark</p> <p>Email: info@oz5esb.dk Man Member Lookups: 2788 Label</p> 
<p>SK7L </p> <p>Segerstad Lighthouse Event Station c/o Rolf Törelid Tryfvegatan 2, S-386 32 Färjestaden Sweden</p> <p>QSL: VIA SK7CA Email: Use mouse to view. Page managed by SM7DHC Lookups: 583 Label</p> 	<p>HB9ILLW </p> <p>Lighthouse Romanshorn Special Callsign 20. & 21.08.2016 Romanshorn, TG 8500 Switzerland</p> <p>QSL: via Bureau Email: illw@hb9v.ch Page managed by HB9V Lookups: 325 Label</p> 
<p>EI1OHL </p> <p>Cork Radio Club (Old Head Lighthouse Special Event) c/o Tim McKnight, QSL Manager Reenganga, Ballinacorney, Co. Cork P81 XN72 Ireland</p> <p>QSL: Bureau or Direct (with S2) via EIDKA-no EQSL Email: crc.qslmgr@gmail.com Page managed by EDKA Lookups: 3277 Label</p> 	

This Technical Report will be mailed to the following 9 Lighthouse Station together with one copy for the organizer.



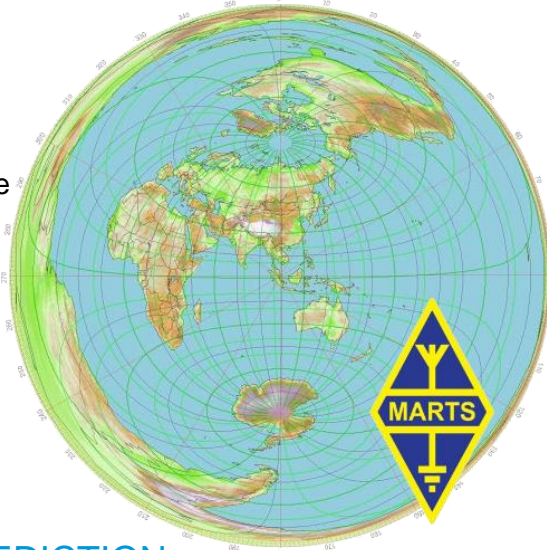
9 PROPAGATION PREDICTION TOOLS

Here are some of the guidance and reference in use for HF Propagation prediction in Peninsular Malaysia. Which can be used by Amateur Radio who are active Dx'ers in HF

9.1 AZIMUTH MAP (WORLD SPHERICAL MAP)

World round map gives the near accurate antenna pointing direction from the view of spherical world from center point of Operating Station location. It was prepared by Jayakanthan 9W2BUG in 2009 from Free Software and shared by many active ham's in Malaysia as reference for antenna pointing reference from magnetic earth.

Azimuth maps are good reference location both on shortpath and longpath communication pointing direction.

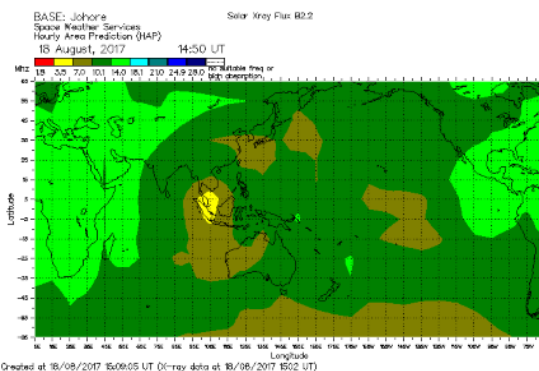


9.2 HOURLY AREA PREDICTION

Hourly Area Prediction or HAP Chart of Solar Flux was developed in 2009 by request of Jayakanthan 9W2BUG to Australian Government Agency Bureau Of Meteorology.



Link: http://www.sws.bom.gov.au/HF_Systems/6/6/1 selection <Johore>



Graphic Link for the Hourly Area Prediction located at:

<http://www.sws.bom.gov.au/Images/HF%20Systems/Global%20HF/HAP%20Charts/Johore.gif>

It was also shared by the team members who are an active DX'ers in the bottom of their blogspot:

1. Zaki Din 9M2ZAK = <http://9m2zak.blogspot.com>
2. Daniel Lee 9W2DAL = <http://9w2dal.blogspot.com>



9.3 NCDXF/IARU INTERNATIONAL BEACON MONITORING

The NCDXF, in cooperation with the IARU, constructed and operates a worldwide network of high-frequency radio beacons on 14.100, 18.110, 21.150, 24.930, and 28.200 Mega Hertz.

These beacons help amateur radio operating in HF for the propagation advantage if no other source of monitoring simply by tuning it to the frequency listed by omnidirectional antenna like G5RV as Inverted Vertical

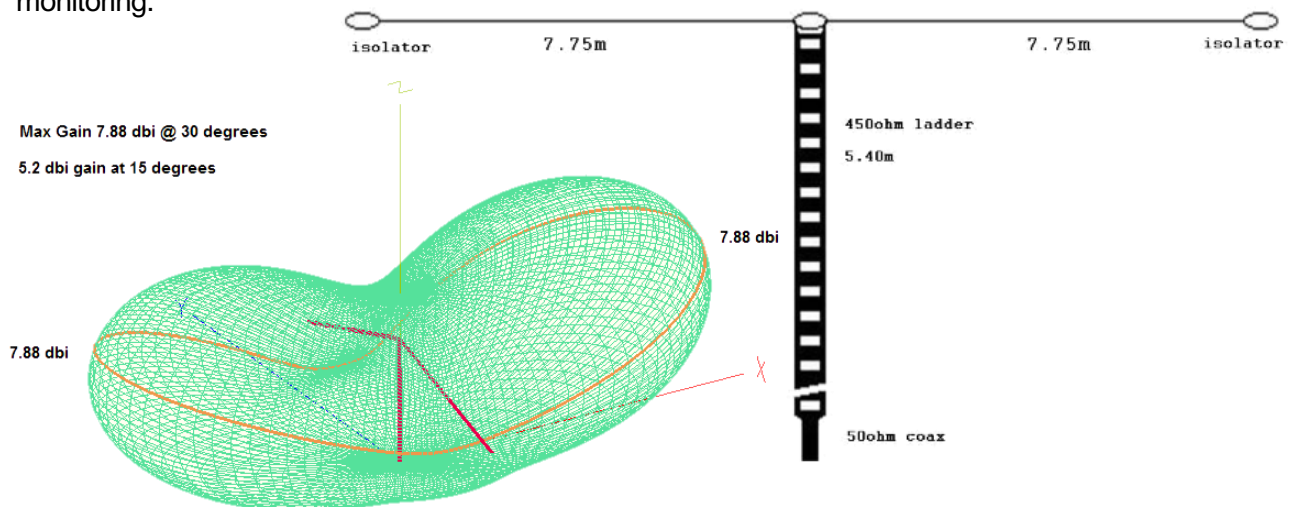
Since the preferred band was 20m (14Mhz), therefore 14.100Mhz been monitored to see the location and direction of pointing the directional antenna.



Link for the beacon: <http://www.ncdxf.org/beacon/> for more information.

9.4 OMNIDIRECTIONAL ANTENNA IN USE G5RV

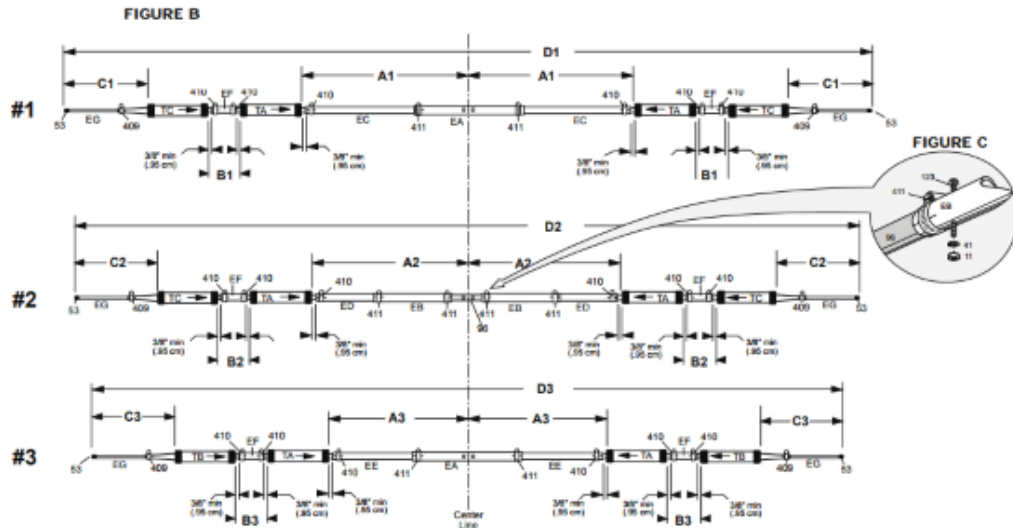
The G5RV Junior is the antenna of choice for its flexibility and performance in consideration of limited space compared to the full-size classic G5RV for omnidirectional Rx and monitoring.





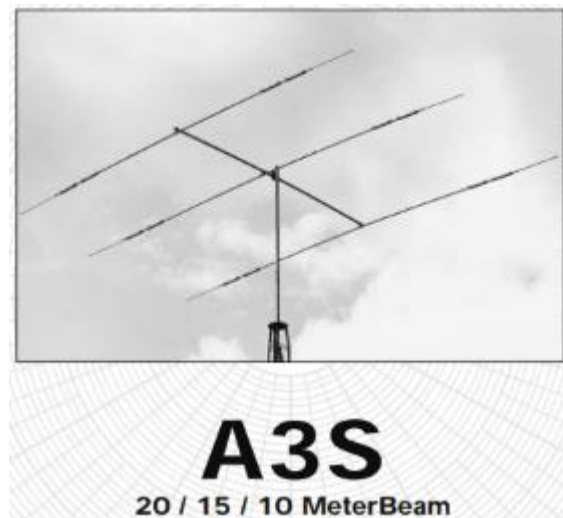
9.5 DIRECTIONAL ANTENNA IN USE A3S

General Description of this Cushcraft A3S Tri-Band Beam Antennas are real powerhouses that fit in a small space and let you work the pile-ups with confidence. They're proven performers in DX Expeditions and contests.



9.5.1 SPECIFICATIONS

- Model A3S
- Frequency Ranges 28, 21, 14
- Forward Gain, dBd 8
- Front to Back Ratio, dB 25
- 2:1 Bandwidth KHz >500
- Power Rating, Watts PEP 2000
- 3 dB Beam Width, Deg. E Plane 60
- Boom Length 14 (4.27)
- Boom Diameter, In (cm) 1.5 (3.81)
- Longest Element, ft (m) 27.75 (8.45)
- Element Center Dia, In (cm) 1.25 (3.18)
- Turning Radius, ft (m) 15.5 (4.72)
- Mast Size Range, In (cm) 1.25-2 (3.18-5.08)
- Wind Load, ft² (m²) 4.36 (0.47)
- Weight, lb (kg) 27 (12.9)



9M2QQ & 9W2BUG operating the station while A3S Antenna at the background.



10CONTACT LOGS

Total of 518 Contacts was established during the entire operations based on the record that was recorded by 9W2KNZ Rus Rizal Bin Abd Ghani using N1MM Logger +.

Upon analyzing with Ham Radio Deluxe, below are logs as the summary given in Section 6.

#	TIMEOnAir	ADDRESS	BAND	Freq Mhz	C O N T	COUNTRY	KM	GRIDSQU ARE	Bear ing	ITUZ	MOD E	RST
1	2017-08-18-130643	DE HAO YANG China	20m	14.155	A S	China	3396	OM12hv	1	33	SSB	5/9
2	2017-08-18-131659	Dilshan Abeywardena Sri Lanka	20m	14.265	A S	Sri Lanka	2422	NJ07hk	284	41	SSB	5/9
3	2017-08-18-133132	Sergey I. Smolka Ukraine	20m	14.265	E U	Ukraine	8524	KO50aa	321	29	SSB	5/9
4	2017-08-18-134038	DAVID ROSS Northern Ireland	20m	14.265	E U	Northern Ireland	10980	IO64pp	326	27	SSB	5/9
5	2017-08-18-134505	Antony G4CUS England	20m	14.265	E U	England	10702	IO92fs	324	27	SSB	5/9
6	2017-08-18-134725	DAVIS SHIEH Taiwan	20m	14.265	A S	Taiwan	3129	PL03jr	39	44	SSB	5/9
7	2017-08-18-134752	Anatoly B Lavrenkov Russia	20m	14.265	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
8	2017-08-18-134851	Frank Huebner Germany	20m	14.265	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
9	2017-08-18-134916	Salvatore Cordoglio Italy	20m	14.265	E U	Italy	9703	JN61sr	312	28	SSB	5/9
10	2017-08-18-134942	Alexey Khlopkov Russia	20m	14.265	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
11	2017-08-18-135023	Eric Dournel France	20m	14.265	E U	France	10547	JN16eq	317	27	SSB	5/9
12	2017-08-18-135117	Valery (Val) Lakeikhin Russia	20m	14.265	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
13	2017-08-18-135228	Andrey A. Platonov Russia	20m	14.265	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
14	2017-08-18-135320	SERGE BAYE Belgium	20m	14.265	E U	Belgium	10336	JO20fm	321	27	SSB	5/9
15	2017-08-18-135344	Trevor Collinson England	20m	14.265	E U	England	10702	IO92fs	324	27	SSB	5/9
16	2017-08-18-135505	GIANLUCA "John" MAZZINI Italy	20m	14.265	E U	Italy	9703	JN61sr	312	28	SSB	5/9
17	2017-08-18-135520	MARTTI (MASA) SIRKKA Finland	20m	14.265	E U	Finland	9079	KP34hp	335	18	SSB	5/9
18	2017-08-18-135645	Juhani Rouhiainen Finland	20m	14.265	E U	Finland	9079	KP34hp	335	18	SSB	5/9
19	2017-08-18-140113	ILKKA KIESILÄ,,INEN Finland	20m	14.265	E U	Finland	9079	KP34hp	335	18	SSB	5/9
20	2017-08-18-140459	XueMing Ye China	20m	14.265	A S	China	3396	OM12hv	1	33	SSB	5/9
21	2017-08-18-141219	YURI VLADIMIROVICH CHUBUCHENKO Russia	20m	14.265	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
22	2017-08-18-141532	Marek Matysiak Poland	20m	14.265	E U	Poland	9343	JO92ii	322	28	SSB	5/9
23	2017-08-18-141748	Adam Fronczak Poland	20m	14.265	E U	Poland	9343	JO92ii	322	28	SSB	5/9
24	2017-08-18-142139	TIIT (TED) SAAR Estonia	20m	14.265	E U	Estonia	8989	KO28vp	329	29	SSB	5/9
25	2017-08-18-142523		20m	14.265	E U	Austria	9659	JN77ak	317	28	SSB	5/9
26	2017-08-18-142658	KAREL MATOUŠJEK Czech Republic	20m	14.265	E U	Czech Republic	9569	JN79pp	320	28	SSB	5/9
27	2017-08-18-142853	Ivan G. Nalbandyan Russia	20m	14.265	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
28	2017-08-18-	MAURO SORBONI	20m	14.265	E	Italy	9703	JN61sr	312	28	SSB	5/9



	143118	Italy			U						
29	2017-08-18-143226	CHRISTIAN PIDANCIER France	20m	14.265	E U	France	10547	JN16eq	317	27	SSB 5/9
30	2017-08-18-143526	Norbert IJzereef Netherlands	20m	14.265	E U	Netherlands	10276	JO21mx	322	27	SSB 5/9
31	2017-08-18-143854	Alexandra "Alex" Nerb Germany	20m	14.265	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB 5/9
32	2017-08-18-144120		20m	14.265	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB 5/9
33	2017-08-18-144238	MAURO SORBONI Italy	20m	14.265	E U	Italy	9703	JN61sr	312	28	SSB 5/9
34	2017-08-18-144444	Wilfried Suchalla Germany	20m	14.265	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB 5/9
35	2017-08-18-144751	Pierre MARCHAL Belgium	20m	14.265	E U	Belgium	10336	JO20fm	321	27	SSB 5/9
36	2017-08-18-145003	Mika "mike" Liljeroos Finland	20m	14.265	E U	Finland	9079	KP34hp	335	18	SSB 5/9
37	2017-08-18-145055	Leszek "Les" Golembiewski Poland	20m	14.265	E U	Poland	9343	JO92ii	322	28	SSB 5/9
38	2017-08-18-145213	Vitor Lima Ferreira Portugal	20m	14.265	E U	Portugal	11555	IM59up	312	37	SSB 5/9
39	2017-08-18-145334	Horst Matusczak Germany	20m	14.265	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB 5/9
40	2017-08-18-145656	Artur Zweigart Germany	20m	14.265	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB 5/9
41	2017-08-18-145839	ALESSANDRO MASTROSIMONE	20m	14.265	E U	Italy	9703	JN61sr	312	28	SSB 5/9
42	2017-08-18-145955		20m	14.265	E U	France	10547	JN16eq	317	27	SSB 5/9
43	2017-08-18-150214	Vladimir Dotsenko Ukraine	20m	14.265	E U	Ukraine	8524	KO50aa	321	29	SSB 5/9
44	2017-08-18-150356	Vello Priimann Estonia	20m	14.265	E U	Estonia	8989	KO28vp	329	29	SSB 5/9
45	2017-08-18-150524	Karol Pytkowski Poland	20m	14.265	E U	Poland	9343	JO92ii	322	28	SSB 5/9
46	2017-08-18-150648		20m	14.265	E U	Italy	9703	JN61sr	312	28	SSB 5/9
47	2017-08-18-150746	Vasiliy A. Kravchenko Russia	20m	14.265	E U	European Russia	8264	KO85lx	328	19	SSB 5/9
48	2017-08-18-150951	Carlo, Rosario Coppola Italy	20m	14.265	E U	Italy	9703	JN61sr	312	28	SSB 5/9
49	2017-08-18-151135	Reimer (EDY) Rettig Germany	20m	14.265	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB 5/9
50	2017-08-18-151302	marco pernarella Italy	20m	14.265	E U	Italy	9703	JN61sr	312	28	SSB 5/9
51	2017-08-18-151415	MANOS MILONAKIS Greece	20m	14.265	E U	Crete	8690	KM25jb	305	28	SSB 5/9
52	2017-08-18-151536	Jens-Christian Mueller Germany	20m	14.265	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB 5/9
53	2017-08-18-151635		20m	14.265	E U	Finland	9079	KP34hp	335	18	SSB 5/9
54	2017-08-18-151738	Konstantin D. Malyshev Russia	20m	14.265	A S	Asiatic Russia	6785	NP01dc	348	20	SSB 5/9
55	2017-08-18-151756	Oliver Nerb Germany	20m	14.265	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB 5/9
56	2017-08-18-151845	Fred FRIEDRICH STROBL Austria	20m	14.265	E U	Austria	9659	JN77ak	317	28	SSB 5/9
57	2017-08-18-151916	Alexey A. Prokudin Russia	20m	14.265	E U	European Russia	8264	KO85lx	328	19	SSB 5/9
58	2017-08-18-151956	Pablo Millan Rejano Spain	20m	14.265	E U	Spain	11185	IN80aa	311	37	SSB 5/9
59	2017-08-18-152036	Juergen *Tony* Donat Germany	20m	14.265	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB 5/9
60	2017-08-18-152101		20m	14.265	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB 5/9
61	2017-08-18-152127		20m	14.265	E U	Finland	9079	KP34hp	335	18	SSB 5/9



62	2017-08-18-152149	WOLFGANG SCHULDES Czech Republic	20m	14.265	E U	Czech Republic	9569	JN79pp	320	28	SSB	5/9
63	2017-08-18-152243	Thomas Sundelin Sweden	20m	14.265	E U	Sweden	9578	JP73xp	334	18	SSB	5/9
64	2017-08-18-152305	Libor Kule Czech Republic	20m	14.265	E U	Czech Republic	9569	JN79pp	320	28	SSB	5/9
65	2017-08-18-152413	Marek Kaminski Poland	20m	14.265	E U	Poland	9343	JO92ii	322	28	SSB	5/9
66	2017-08-18-152506	GEORG KRONREIF Austria	20m	14.265	E U	Austria	9659	JN77ak	317	28	SSB	5/9
67	2017-08-18-152559	Igor Syrkin Asiatic Russia	20m	14.265	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
68	2017-08-18-152654	Salvo Spinoso Italy	20m	14.265	E U	Italy	9703	JN61sr	312	28	SSB	5/9
69	2017-08-18-152751	J.Alexander Tschapka Austria	20m	14.265	E U	Austria	9659	JN77ak	317	28	SSB	5/9
70	2017-08-18-152810	PONGsakorn K Thailand	20m	14.265	A S	Thailand	1457	OK05jk	355	49	SSB	5/9
71	2017-08-18-152915	Maurizio Niccolai Italy	20m	14.265	E U	Italy	9703	JN61sr	312	28	SSB	5/9
72	2017-08-18-152944	Klaus Michael MUSSER Austria	20m	14.265	E U	Austria	9659	JN77ak	317	28	SSB	5/9
73	2017-08-18-153023	Mickael JAMET France	20m	14.265	E U	France	10547	JN16eq	317	27	SSB	5/9
74	2017-08-18-153103	DAVIDE DE CHELLIS Italy	20m	14.265	E U	Italy	9703	JN61sr	312	28	SSB	5/9
75	2017-08-18-153152		20m	14.2651	E U	Italy	9703	JN61sr	312	28	SSB	5/9
76	2017-08-18-153247	Tom - Tomislav Kaltnecker Croatia	20m	14.2651	E U	Croatia	9523	JN75vn	316	28	SSB	5/9
77	2017-08-18-153300	MIGUEL ANGEL CID SALAZAR Spain	20m	14.2651	E U	Spain	11185	IN80aa	311	37	SSB	5/9
78	2017-08-18-153313	Vladimir LaÅok Serbia	20m	14.2651	E U	Serbia	9156	KN03dn	314	28	SSB	5/9
79	2017-08-18-153337	Vladimir N. Kovalev Belarus	20m	14.2651	E U	Belarus	8735	KO43bm	324	29	SSB	5/9
80	2017-08-18-153357	Stanislaw (STAN) Irzyk Poland	20m	14.2651	E U	Poland	9343	JO92ii	322	28	SSB	5/9
81	2017-08-18-153431	ARTURO BARBERIO (ART) Italy	20m	14.2651	E U	Italy	9703	JN61sr	312	28	SSB	5/9
82	2017-08-18-153448	Manel PaÅ±os Spain	20m	14.2651	E U	Spain	11185	IN80aa	311	37	SSB	5/9
83	2017-08-18-153519	Karn Suwanrat Thailand	20m	14.2651	A S	Thailand	1457	OK05jk	355	49	SSB	5/9
84	2017-08-18-153535	Dmitry Grishin Russia	20m	14.2651	A S	Asiatic Russia	6785	NP01dc	348	20	SSB	5/9
85	2017-08-18-153550	MAREK ZRODLAK Poland	20m	14.2651	E U	Poland	9343	JO92ii	322	28	SSB	5/9
86	2017-08-18-153617		20m	14.2651	E U	France	10547	JN16eq	317	27	SSB	5/9
87	2017-08-18-153636	Christ Trenson Belgium	20m	14.2651	E U	Belgium	10336	JO20fm	321	27	SSB	5/9
88	2017-08-18-153716	JOSE MARIA AMAT Spain	20m	14.2651	E U	Spain	11185	IN80aa	311	37	SSB	5/9
89	2017-08-18-153749	HERMAN PIETER MONDELAERS	20m	14.2651	E U	Belgium	10336	JO20fm	321	27	SSB	5/9
90	2017-08-18-153925	GUNNAR EKSTROM Sweden	20m	14.2651	E U	Sweden	9578	JP73xp	334	18	SSB	5/9
91	2017-08-18-153948	Sergey Maklagin Russia	20m	14.2652	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
92	2017-08-18-154027	VIGILIO PIZZINI Italy	20m	14.2652	E U	Italy	9703	JN61sr	312	28	SSB	5/9
93	2017-08-18-154105	MILOSAV KUKOLJ "MIKE" Slovenia	20m	14.2652	E U	Slovenia	9614	JN76ha	316	28	SSB	5/9
94	2017-08-18-154121	Karl-Heinz Harms Germany	20m	14.2652	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
95	2017-08-18-	Mikhail S. Oleynikov	20m	14.2652	E	European	8264	KO85lx	328	19	SSB	5/9



	154213	Russia			U	Russia						
96	2017-08-18-154232	Jean-Paul XAMBEU France	20m	14.2652	E U	France	10547	JN16eq	317	27	SSB	5/9
97	2017-08-18-154533	Rolf Lioen Hong Kong	20m	14.2652	A S	Hong Kong	2590	OL72bj	30	44	SSB	5/9
98	2017-08-18-154553	Vadim Dubovoy Ukraine	20m	14.2652	E U	Ukraine	8524	KO50aa	321	29	SSB	5/9
99	2017-08-18-154636	Akarapat Arpha-Adul Thailand	20m	14.2652	A S	Thailand	1457	OK05jk	355	49	SSB	5/9
100	2017-08-18-154705	Ritthichai (Teelek) Jirawongwiwat	20m	14.2652	A S	Thailand	1457	OK05jk	355	49	SSB	5/9
101	2017-08-18-154731	Alexei S. Sokolov Russia	20m	14.2652	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
102	2017-08-18-154748	Andres Garrido Notario Spain	20m	14.2652	E U	Spain	11185	IN80aa	311	37	SSB	5/9
103	2017-08-18-154819	MARIO PELLIZZARI Italy	20m	14.2652	E U	Italy	9703	JN61sr	312	28	SSB	5/9
104	2017-08-18-154846		20m	14.2652	E U	Crete	8690	KM25jb	305	28	SSB	5/9
105	2017-08-18-154910	KONSTANTINOS KALAITZIDIS Greece	20m	14.2652	E U	Greece	9012	KM09tl	310	28	SSB	5/9
106	2017-08-18-154924	Vit Kuncar Czech Republic	20m	14.2652	E U	Czech Republic	9569	JN79pp	320	28	SSB	5/9
107	2017-08-18-154949	FRANCA MERLANO Italy	20m	14.2652	E U	Italy	9703	JN61sr	312	28	SSB	5/9
108	2017-08-18-155013	Pierre Gassander Sweden	20m	14.2652	E U	Sweden	9578	JP73xp	334	18	SSB	5/9
109	2017-08-18-155025	Tony, Antal Tari Hungary	20m	14.2652	E U	Hungary	9275	JN97ne	317	28	SSB	5/9
110	2017-08-18-155056	FABIO GRISAFI Italy	20m	14.2652	E U	Italy	9703	JN61sr	312	28	SSB	5/9
111	2017-08-18-155117	Marek Jablonski Poland	20m	14.2652	E U	Poland	9343	JO92ii	322	28	SSB	5/9
112	2017-08-18-155135	Willi H. Fuchs Germany	20m	14.2652	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
113	2017-08-18-155151	BERNARD VIGNOLES France	20m	14.2652	E U	France	10547	JN16eq	317	27	SSB	5/9
114	2017-08-18-155206	John Arne Borresen Norway	20m	14.2652	E U	Norway	9623	JP77qk	337	18	SSB	5/9
115	2017-08-18-155223	Juergen Lauterbach Germany	20m	14.2652	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
116	2017-08-18-155248	Vasily V. Khaleev Russia	20m	14.2652	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
117	2017-08-18-155347	GABRIELE LEGNINI Italy	20m	14.2652	E U	Italy	9703	JN61sr	312	28	SSB	5/9
118	2017-08-18-155449	Ponomarenko Yuri F. Russia	20m	14.2652	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
119	2017-08-18-155644	Hubert Tratnik, sr. Slovenia	20m	14.2652	E U	Slovenia	9614	JN76ha	316	28	SSB	5/9
120	2017-08-18-155728	Danny Van Der Stuyft Belgium	20m	14.2652	E U	Belgium	10336	JO20fm	321	27	SSB	5/9
121	2017-08-18-155809	Maurits Van Driessche Belgium	20m	14.2652	E U	Belgium	10336	JO20fm	321	27	SSB	5/9
122	2017-08-18-155835		20m	14.2652	E U	Finland	9079	KP34hp	335	18	SSB	5/9
123	2017-08-18-155927	(Toni) Antonio E.S.Reis Portugal	20m	14.2652	E U	Portugal	11555	IM59up	312	37	SSB	5/9
124	2017-08-18-160116	LINO BAILO Italy	20m	14.2652	E U	Italy	9703	JN61sr	312	28	SSB	5/9
125	2017-08-18-160252	Phot Sripanich Thailand	20m	14.2652	A S	Thailand	1457	OK05jk	355	49	SSB	5/9
126	2017-08-18-160523	V.p Keltanen Finland	20m	14.2652	E U	Finland	9079	KP34hp	335	18	SSB	5/9
127	2017-08-18-160702	ZYGMUNT SZUMSKI Poland	20m	14.2652	E U	Poland	9343	JO92ii	322	28	SSB	5/9
128	2017-08-18-160820	KRYSTIAN SAK Poland	20m	14.2652	E U	Poland	9343	JO92ii	322	28	SSB	5/9



129	2017-08-18-160847	MILAN PIVK Slovenia	20m	14.2652	E U	Slovenia	9614	JN76ha	316	28	SSB	5/9
130	2017-08-18-160925	Patrizio Italy	20m	14.2652	E U	Italy	9703	JN61sr	312	28	SSB	5/9
131	2017-08-18-161026		20m	14.2652	A S	Iraq	6970	LM12pv	306	39	SSB	5/9
132	2017-08-18-161126	Glauco Juliano Italy	20m	14.2652	E U	Italy	9703	JN61sr	312	28	SSB	5/9
133	2017-08-18-161223	Rudolf ' ROLF ' Riess Austria	20m	14.2651	E U	Austria	9659	JN77ak	317	28	SSB	5/9
134	2017-08-18-161320	Nukool Sukpol Thailand	20m	14.2651	A S	Thailand	1457	OK05jk	355	49	SSB	5/9
135	2017-08-18-161357	Andy V. Melnitchuk Ukraine	20m	14.2651	E U	Ukraine	8524	KO50aa	321	29	SSB	5/9
136	2017-08-18-161509	Alexander Burdukov Ukraine	20m	14.2651	E U	Ukraine	8524	KO50aa	321	29	SSB	5/9
137	2017-08-18-161546	Ivan A. Fidiev Russia	20m	14.2651	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
138	2017-08-18-161952	RADIO CLUB - Russian Laboratory 5 Geography HQ Russia	20m	14.2651	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
139	2017-08-18-162045	Yuri K. Volodin Russia	20m	14.2651	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
140	2017-08-18-162159	ROBERT SOKET Hungary	20m	14.2651	E U	Hungary	9275	JN97ne	317	28	SSB	5/9
141	2017-08-18-162258	Yriy Borisovich Yurkin Russia	20m	14.2651	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
142	2017-08-18-162328	Jarek Bialy Poland	20m	14.2651	E U	Poland	9343	JO92ii	322	28	SSB	5/9
143	2017-08-18-162442	Alex Zotov Russia	20m	14.2651	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
144	2017-08-18-162516	DEREK BATE England	20m	14.2651	E U	England	10702	IO92fs	324	27	SSB	5/9
145	2017-08-18-162642		20m	14.2651	E U	Latvia	9009	KO26kw	327	29	SSB	5/9
146	2017-08-18-162705	Boris Gnusov Latvia	20m	14.2651	E U	Latvia	9009	KO26kw	327	29	SSB	5/9
147	2017-08-18-162749	BIJAN IPEKTCHI Italy	20m	14.2651	E U	Italy	9703	JN61sr	312	28	SSB	5/9
148	2017-08-18-162823	Alex Nechaev Russia	20m	14.2651	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
149	2017-08-18-162859		20m	14.2651	E U	Ukraine	8524	KO50aa	321	29	SSB	5/9
150	2017-08-18-162953	Tomasz (TOM) Tajchman Poland	20m	14.2651	E U	Poland	9343	JO92ii	322	28	SSB	5/9
151	2017-08-18-163055	ELIE EL-KADI Lebanon	20m	14.2651	A S	Lebanon	7653	KM84aa	306	39	SSB	5/9
152	2017-08-18-163210	Anatoly Pavlovich Reshetnikov Ukraine	20m	14.2651	E U	Ukraine	8524	KO50aa	321	29	SSB	5/9
153	2017-08-18-163238	Sergey Prokopchuk Ukraine	20m	14.2651	E U	Ukraine	8524	KO50aa	321	29	SSB	5/9
154	2017-08-18-163343	Victor G. Leonov Ukraine	20m	14.2651	E U	Ukraine	8524	KO50aa	321	29	SSB	5/9
155	2017-08-18-163453	ANDREA BURLO Malta	20m	14.2651	E U	Malta	9629	JM75fv	306	28	SSB	5/9
156	2017-08-18-163532	Agnieszka Paczosa Poland	20m	14.2651	E U	Poland	9343	JO92ii	322	28	SSB	5/9
157	2017-08-18-163630	Branko Maletic Croatia	20m	14.2651	E U	Croatia	9523	JN75vn	316	28	SSB	5/9
158	2017-08-18-163717		20m	14.2651	E U	Italy	9703	JN61sr	312	28	SSB	5/9
159	2017-08-18-163731	Sergey Borisenko Russia	20m	14.2651	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
160	2017-08-18-163834	Vasyl A. Kulyk Ukraine	20m	14.2651	E U	Ukraine	8524	KO50aa	321	29	SSB	5/9
161	2017-08-18-	Khamzat . Yunusov	20m	14.2651	E	European	8264	KO85lx	328	19	SSB	5/9



	163856	Russia			U	Russia						
162	2017-08-18-163953	Jan Hansen Denmark	20m	14.2651	E U	Denmark	9968	JO46na	326	18	SSB	5/9
163	2017-08-18-164036	Ovidiu Ignat Romania	20m	14.2651	E U	Romania	8815	KN25lu	316	28	SSB	5/9
164	2017-08-18-164115	Ovidiu Ignat Romania	20m	14.2651	E U	Romania	8815	KN25lu	316	28	SSB	5/9
165	2017-08-18-164305	KRZYSZTOF (CHRIS) ZUKOWSKI Poland	20m	14.2651	E U	Poland	9343	JO92ii	322	28	SSB	5/9
166	2017-08-18-164428	Vijay Kumar Yadav India	20m	14.2651	A S	India	3383	ML80ms	309	41	SSB	5/9
167	2017-08-18-164515	Stefan Kurylko Poland	20m	14.2651	E U	Poland	9343	JO92ii	322	28	SSB	5/9
168	2017-08-18-164612	ALFONSO CARMONA RUIZ Spain	20m	14.2651	E U	Spain	11185	IN80aa	311	37	SSB	5/9
169	2017-08-18-164704	DOMENICO APPENDINO Italy	20m	14.2651	E U	Italy	9703	JN61sr	312	28	SSB	5/9
170	2017-08-18-164757	PETRE (PIT) VASIOIU Romania	20m	14.2651	E U	Romania	8815	KN25lu	316	28	SSB	5/9
171	2017-08-18-164857		20m	14.2651	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
172	2017-08-18-165022	Francisco Carcia-Castro Canary Islands	20m	14.2651	A F	Canary Is.	12606	IL18ul	303	36	SSB	5/9
173	2017-08-18-165132	YURI TURBEL Ukraine	20m	14.2651	E U	Ukraine	8524	KO50aa	321	29	SSB	5/9
174	2017-08-18-165220	CREW CONTESTGROEP ZEEUWSVLAANDEREN Netherlands	20m	14.2651	E U	Netherlands	10276	JO21mx	322	27	SSB	5/9
175	2017-08-18-165317	Ernst Vranka Austria	20m	14.2651	E U	Austria	9659	JN77ak	317	28	SSB	5/9
176	2017-08-18-165335	Gert van Loo Netherlands	20m	14.2651	E U	Netherlands	10276	JO21mx	322	27	SSB	5/9
177	2017-08-18-165346	Radio Club Station Nationale Defence League Poland	20m	14.2651	E U	Poland	9343	JO92ii	322	28	SSB	5/9
178	2017-08-18-165427	JULIA L GATTI United States	20m	14.2651	N A	United States	15016	EM19fa	21	6	SSB	5/9
179	2017-08-18-165539	Sergey V. Chainikov Russia	20m	14.2651	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
180	2017-08-18-165612		20m	14.2651	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
181	2017-08-18-165654	JosÃ© Augusto Silva Portugal	20m	14.2651	E U	Portugal	11555	IM59up	312	37	SSB	5/9
182	2017-08-18-165759	Rob McTait England	20m	14.2651	E U	England	10702	IO92fs	324	27	SSB	5/9
183	2017-08-18-165816	GIORGIO DALLA MORA Italy	20m	14.2651	E U	Italy	9703	JN61sr	312	28	SSB	5/9
184	2017-08-18-165838	IACOPO LENCIONI Italy	20m	14.2651	E U	Italy	9703	JN61sr	312	28	SSB	5/9
185	2017-08-18-165900	Jose Rafael Perez Vargas Spain	20m	14.2651	E U	Spain	11185	IN80aa	311	37	SSB	5/9
186	2017-08-18-165932	PIOTR BRYDAK Poland	20m	14.2651	E U	Poland	9343	JO92ii	322	28	SSB	5/9
187	2017-08-18-170004	Makl Loginov Ukraine	20m	14.2651	E U	Ukraine	8524	KO50aa	321	29	SSB	5/9
188	2017-08-18-170034	Havard Nasvik Norway	20m	14.2651	E U	Norway	9623	JP77qk	337	18	SSB	5/9
189	2017-08-18-170110	Yuri Kuznetsov Russia	20m	14.2651	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
190	2017-08-18-170143		20m	14.2651	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
191	2017-08-18-170246	Oleg Motsnyi Oleg S. Ukraine	20m	14.2651	E U	Ukraine	8524	KO50aa	321	29	SSB	5/9
192	2017-08-18-170322	Andrey (ANDY) N. Chernyayev Ukraine	20m	14.2651	E U	Ukraine	8524	KO50aa	321	29	SSB	5/9



193	2017-08-18-170352	Giacomo Nino DI MENNA Italy	20m	14.2651	E U	Italy	9703	JN61sr	312	28	SSB	5/9
194	2017-08-18-170442	ALEX DENISEAU France	20m	14.2651	E U	France	10547	JN16eq	317	27	SSB	5/9
195	2017-08-18-170613	THIERRY GAUTHIER France	20m	14.2651	E U	France	10547	JN16eq	317	27	SSB	5/9
196	2017-08-18-170651	Juan Martin Lopez Spain	20m	14.2651	E U	Spain	11185	IN80aa	311	37	SSB	5/9
197	2017-08-18-170856	Peter Zahari Germany	20m	14.2651	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
198	2017-08-18-171007	SALVATORE De Simone Italy	20m	14.2651	E U	Italy	9703	JN61sr	312	28	SSB	5/9
199	2017-08-18-171029	Markus Staude Germany	20m	14.2651	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
200	2017-08-18-171055	ALFONSO PEDROCHE LIZASO Spain	20m	14.2651	E U	Spain	11185	IN80aa	311	37	SSB	5/9
201	2017-08-18-171138	Keith Horsfield England	20m	14.2651	E U	England	10702	IO92fs	324	27	SSB	5/9
202	2017-08-18-171205	Bob Barden Isle of Man	20m	14.2651	E U	Isle of Man	10859	IO74re	326	27	SSB	5/9
203	2017-08-18-171321	Knut Indal Norway	20m	14.2651	E U	Norway	9623	JP77qk	337	18	SSB	5/9
204	2017-08-18-171350	Lothar(Lota) Beyer Germany	20m	14.2651	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
205	2017-08-18-171438		20m	14.2651	E U	Hungary	9275	JN97ne	317	28	SSB	5/9
206	2017-08-18-171548		20m	14.2651	E U	France	10547	JN16eq	317	27	SSB	5/9
207	2017-08-18-171720	Przemyslaw "Peter" Majchrzak Poland	20m	14.2651	E U	Poland	9343	JO92ii	322	28	SSB	5/9
208	2017-08-18-171744	JULIUSZ LEWICKI Poland	20m	14.2651	E U	Poland	9343	JO92ii	322	28	SSB	5/9
209	2017-08-18-171809	Benjamin R. Arginyan Russia	20m	14.2651	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
210	2017-08-18-171920	CARLO CIPOLLA Italy	20m	14.2651	E U	Italy	9703	JN61sr	312	28	SSB	5/9
211	2017-08-18-172032	GABOR VARGA Hungary	20m	14.2651	E U	Hungary	9275	JN97ne	317	28	SSB	5/9
212	2017-08-18-172056	Franco Bettelli Italy	20m	14.2651	E U	Italy	9703	JN61sr	312	28	SSB	5/9
213	2017-08-18-172200		20m	14.2651	E U	Denmark	9968	JO46na	326	18	SSB	5/9
214	2017-08-18-172240	Stanislaw Kasik Poland	20m	14.2651	E U	Poland	9343	JO92ii	322	28	SSB	5/9
215	2017-08-18-172329	JAN ANDREAS HUSUM Norway	20m	14.2651	E U	Norway	9623	JP77qk	337	18	SSB	5/9
216	2017-08-18-172357	Salvador Domenech Spain	20m	14.2651	E U	Spain	11185	IN80aa	311	37	SSB	5/9
217	2017-08-18-172427	MARIAN TIRCA Romania	20m	14.2651	E U	Romania	8815	KN25lu	316	28	SSB	5/9
218	2017-08-18-172619		20m	14.2651	E U	Northern Ireland	10980	IO64pp	326	27	SSB	5/9
219	2017-08-18-172742	Peter Moore Northern Ireland	20m	14.2651	E U	Northern Ireland	10980	IO64pp	326	27	SSB	5/9
220	2017-08-18-172837	Michael Klengel Germany	20m	14.2651	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
221	2017-08-18-173002	Mr. Carsten Malm Denmark	20m	14.2651	E U	Denmark	9968	JO46na	326	18	SSB	5/9
222	2017-08-18-173447	Ali AKTAS Turkey	20m	14.2651	A S	Turkey	7893	KM78hu	311	39	SSB	5/9
223	2017-08-18-173621	DOMENICO APPENDINO Italy	20m	14.2651	E U	Italy	9703	JN61sr	312	28	SSB	5/9
224	2017-08-18-174130	Siegfried Treptau Germany	20m	14.2651	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
225	2017-08-18-174258	Dirk Hennig Germany	20m	14.2651	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9



226	2017-08-18-174342	Alberto Varela Lage Spain	20m	14.2651	E U	Spain	11185	IN80aa	311	37	SSB	5/9
227	2017-08-18-174438	FEDERICO TORNIELLI Italy	20m	14.2651	E U	Italy	9703	JN61sr	312	28	SSB	5/9
228	2017-08-18-174550	Neal Giuliano England	20m	14.2651	E U	England	10702	IO92fs	324	27	SSB	5/9
229	2017-08-18-174655	Gennadiy Mogilevkin Russia	20m	14.2651	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
230	2017-08-18-174836	Henry (Enrico) Pardossi Italy	20m	14.2651	E U	Italy	9703	JN61sr	312	28	SSB	5/9
231	2017-08-18-175019	Johan Claereboets Netherlands	20m	14.2651	E U	Netherlands	10276	JO21mx	322	27	SSB	5/9
232	2017-08-18-175159	Victor Pino Ukraine	20m	14.2651	E U	Ukraine	8524	KO50aa	321	29	SSB	5/9
233	2017-08-18-175306	Uccio Davanzo Italy	20m	14.2651	E U	Italy	9703	JN61sr	312	28	SSB	5/9
234	2017-08-18-175356	Gennady V. Treus Ukraine	20m	14.2651	E U	Ukraine	8524	KO50aa	321	29	SSB	5/9
235	2017-08-18-175456	Harry Findling Germany	20m	14.2651	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
236	2017-08-18-175529	Fabrizio Zappata Italy	20m	14.2651	E U	Italy	9703	JN61sr	312	28	SSB	5/9
237	2017-08-18-175601	RADOVAN FLIS Slovenia	20m	14.2651	E U	Slovenia	9614	JN76ha	316	28	SSB	5/9
238	2017-08-18-175839		20m	14.2651	S A	Colombia	19211	FJ33hh	320	12	SSB	5/9
239	2017-08-18-180102	Constantin (COSTIN) Beldica Romania	20m	14.2651	E U	Romania	8815	KN25lu	316	28	SSB	5/9
240	2017-08-18-180151		20m	14.2651	E U	Northern Ireland					SSB	5/9
241	2017-08-18-181715		20m	14.256	E U	Austria	9659	JN77ak	317	28	USB	5/9
242	2017-08-18-180238	Tony (Anton Kamyshev) Russia	20m	14.2651	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
243	2017-08-18-180430	VLASTA SRAJBR Czech Republic	20m	14.2651	E U	Czech Republic	9569	JN79pp	320	28	SSB	5/9
244	2017-08-18-180455	Jean-Paul Martens Belgium	20m	14.2651	E U	Belgium	10336	JO20fm	321	27	SSB	5/9
245	2017-08-18-180934	Marcello Ianni Italy	20m	14.2651	E U	Italy	9703	JN61sr	312	28	SSB	5/9
246	2017-08-18-180954	Patrick Martinet Netherlands	20m	14.2651	E U	Netherlands	10276	JO21mx	322	27	SSB	5/9
247	2017-08-18-181033		20m	14.2651	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
248	2017-08-18-181132	Andy Coathup England	20m	14.2651	E U	England	10702	IO92fs	324	27	SSB	5/9
249	2017-08-18-181321	Rob Simpson England	20m	14.2651	E U	England	10702	IO92fs	324	27	SSB	5/9
250	2017-08-18-181418	DECLAN CRAIG Ireland	20m	14.2651	E U	Ireland	11119	IO53wc	325	27	SSB	5/9
251	2017-08-18-181550	Marcello Ianni Italy	20m	14.2651	E U	Italy	9703	JN61sr	312	28	SSB	5/9
252	2017-08-18-181932	Stephen A Harding England	20m	14.2651	E U	England	10702	IO92fs	324	27	SSB	5/9
253	2017-08-18-182049	Wayne Crofts England	20m	14.2651	E U	England	10702	IO92fs	324	27	SSB	5/9
254	2017-08-18-182400	Mel Fitchett England	20m	14.2651	E U	England	10702	IO92fs	324	27	SSB	5/9
255	2017-08-18-182930	SELANGOR DX & CONTEST GROUP West Malaysia	20m	14.2651	A S	West Malaysia	131	OJ13cm	16	54	SSB	5/9
256	2017-08-18-183142	Wilfried (Will) Herman Belgium	20m	14.2651	E U	Belgium	10336	JO20fm	321	27	SSB	5/9
257	2017-08-18-183259	James Kohl United States	20m	14.2651	N A	Alaska	10489	BP34hb	25	1	SSB	5/9
258	2017-08-19-021055	Lighthouse Pulau Angsa,Selangor	40m	7.165	A S	West Malaysia		OJ13cm		54	SSB	5/9



West Malaysia												
259	2017-08-19-024029	MOHAMAD SAIFUL REZAN AMIR West Malaysia	40m	7.165	A S	West Malaysia	131	OJ13cm	16	54	SSB	5/9
260	2017-08-19-024334	Rohaya Amiza Bte Ghazali West Malaysia	40m	7.165	A S	West Malaysia	131	OJ13cm	16	54	SSB	5/9
261	2017-08-19-024504	AHMAD HUSAINI MARZUKI West Malaysia	40m	7.165	A S	West Malaysia	131	OJ13cm	16	54	SSB	5/9
262	2017-08-19-025255		40m	7.165	A S	West Malaysia	131	OJ13cm	16	54	SSB	5/9
263	2017-08-19-030127	Lighthouse Pulau Angsa, Selangor West Malaysia	40m	7.165	A S	West Malaysia	131	OJ13cm	16	54	SSB	5/9
264	2017-08-19-031236	Dongbo Li China	20m	14.275	A S	China	3396	OM12hv	1	33	SSB	5/9
265	2017-08-19-031523	yang quan China	20m	14.275	A S	China	3396	OM12hv	1	33	SSB	5/9
266	2017-08-19-032314	Amateur Radio Station Of Shenzhen Dalton Xinhua School China	20m	14.275	A S	China	3396	OM12hv	1	33	SSB	5/9
267	2017-08-19-040142	DeWei Liu China	20m	14.275	A S	China	3396	OM12hv	1	33	SSB	5/9
268	2017-08-19-062526	Altingsburg Lighthouse Bukit Melawati (Special Call) West Malaysia	40m	7.155	A S	West Malaysia	131	OJ13cm	16	54	SSB	5/9
269	2017-08-19-065037	OSMAN BIN MOHD AYUB (OSMAN) West Malaysia	40m	7.16	A S	West Malaysia	131	OJ13cm	16	54	SSB	5/9
270	2017-08-19-065229	ILLW (MY0002) International Lighthouse Lightship Weekend West Malaysia	40m	7.16	A S	West Malaysia	131	OJ13cm	16	54	SSB	5/9
271	2017-08-19-065853	NAFI DAHALAN West Malaysia	40m	7.16	A S	West Malaysia	131	OJ13cm	16	54	SSB	5/9
272	2017-08-19-084835	WISNU WIDJAJA Indonesia	40m	7.175	O C	Indonesia	1870	OI86tm	110	51	SSB	5/9
273	2017-08-19-085133	David Donaldson Indonesia	40m	7.175	O C	Indonesia	1870	OI86tm	110	51	SSB	5/9
274	2017-08-19-085334	Mr.APINANT KAE0-YU (POP) Thailand	40m	7.175	A S	Thailand	1457	OK05jk	355	49	SSB	5/9
275	2017-08-19-085656	Jakaria S.Pi Indonesia	40m	7.175	O C	Indonesia	1870	OI86tm	110	51	SSB	5/9
276	2017-08-19-090050	HUSSAIRY (ARIE) West Malaysia	40m	7.175	A S	West Malaysia	131	OJ13cm	16	54	SSB	5/9
277	2017-08-19-090224	MOHD ZAKI MUHAAMMAD West Malaysia	40m	7.175	A S	West Malaysia	131	OJ13cm	16	54	SSB	5/9
278	2017-08-19-090433	Herry JOY - Handphone +62 081271656110 / +62 081222513636 Indonesia	40m	7.175	O C	Indonesia	1870	OI86tm	110	51	SSB	5/9
279	2017-08-19-090519	Mohd Saiful Bin Md Razi West Malaysia	40m	7.175	A S	West Malaysia	131	OJ13cm	16	54	SSB	5/9
280	2017-08-19-090746		40m	7.175	A S	West Malaysia	131	OJ13cm	16	54	SSB	5/9
281	2017-08-19-091839	Drs. IMAN SANTOSO, MM Indonesia	40m	7.175	O C	Indonesia	1870	OI86tm	110	51	SSB	5/9
282	2017-08-19-092332	SUNARTO Indonesia	40m	7.175	O C	Indonesia	1870	OI86tm	110	51	SSB	5/9
283	2017-08-19-092510		40m	7.175	A S	West Malaysia	131	OJ13cm	16	54	SSB	5/9
284	2017-08-19-093818	Edgar A. Francisco Philippines	20m	14.273	O C	Philippines	2566	PK11on	66	50	SSB	5/9
285	2017-08-19-094403	RSSL light house event 2016	20m	14.273	A S	Sri Lanka	2422	NJ07hk	284	41	SSB	5/9



Sri Lanka												
286	2017-08-19-095035	S. BAKTI Indonesia	20m	14.273	O C	Indonesia	1870	OI86tm	110	51	SSB	5/9
287	2017-08-19-095151	Mitsunobu YAMAMOTO Japan	20m	14.273	A S	Japan	5152	PM85io	40	45	SSB	5/9
288	2017-08-19-095358	Yau Kin Man China	20m	14.273	A S	Hong Kong	2590	OL72bj	30	44	SSB	5/9
289	2017-08-19-095652		20m	14.273	A S	Japan	5152	PM85io	40	45	SSB	5/9
290	2017-08-19-100553	Yang Quan - Yichang Radio Amateur Club Station China	20m	14.273	A S	China	3396	OM12hv	1	33	SSB	5/9
291	2017-08-19-101121	HuiBiao Huang China	20m	14.273	A S	China	3396	OM12hv	1	33	SSB	5/9
292	2017-08-19-101612	Pradeep N M Kumar India	20m	14.273	A S	India	3383	ML80ms	309	41	SSB	5/9
293	2017-08-19-101708	Mr. Kaweewat (PON) Hantrakool Thailand	20m	14.273	A S	Thailand	1457	OK05jk	355	49	SSB	5/9
294	2017-08-19-101838		20m	14.273	A S	Sri Lanka	2422	NJ07hk	284	41	SSB	5/9
295	2017-08-19-102129	Matsuhiko Yoshioka Japan	20m	14.273	A S	Japan	5152	PM85io	40	45	SSB	5/9
296	2017-08-19-102459	Dima A. Zakharov Russia	20m	14.273	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
297	2017-08-19-103424		20m	14.273	N A	Saint Martin	17219	FK88lc	325	11	SSB	5/9
298	2017-08-19-103704	Mitsuhsa Koga Japan	20m	14.273	A S	Japan	5152	PM85io	40	45	SSB	5/9
299	2017-08-19-104047	International Lighthouse and Lightships Weekend 2017 India	20m	14.273	A S	India	3383	ML80ms	309	41	SSB	5/9
300	2017-08-19-104306	Mr.APINANT KAE0-YU (POP) Thailand	20m	14.273	A S	Thailand	1457	OK05jk	355	49	SSB	5/9
301	2017-08-19-104619	Fumio SUZUKI Japan	20m	14.273	A S	Japan	5152	PM85io	40	45	SSB	5/9
302	2017-08-19-105003	Yoshihiro Fukuta Japan	20m	14.273	A S	Japan	5152	PM85io	40	45	SSB	5/9
303	2017-08-19-105221	Jayanta Baidya India	20m	14.273	A S	India	3383	ML80ms	309	41	SSB	5/9
304	2017-08-19-105522	Tadashi Uchiyama Japan	20m	14.273	A S	Japan	5152	PM85io	40	45	SSB	5/9
305	2017-08-19-105607	Hiroshi Tada Japan	20m	14.273	A S	Japan	5152	PM85io	40	45	SSB	5/9
306	2017-08-19-105654	"KAZU" Toshikazu Obata Japan	20m	14.273	A S	Japan	5152	PM85io	40	45	SSB	5/9
307	2017-08-19-105747	"YASU" Yasunori Kishizawa Japan	20m	14.273	A S	Japan	5152	PM85io	40	45	SSB	5/9
308	2017-08-19-105909		20m	14.273	A S	India	3383	ML80ms	309	41	SSB	5/9
309	2017-08-19-110230	Gautam Dutta (MON) India	20m	14.273	A S	India	3383	ML80ms	309	41	SSB	5/9
310	2017-08-19-111259	UNNI KRISHNAN NAYAR India	20m	14.273	A S	India	3383	ML80ms	309	41	SSB	5/9
311	2017-08-19-120127	Gautam Dutta (MON) India	20m	14.273	A S	India	3383	ML80ms	309	41	SSB	5/9
312	2017-08-19-122440	Bijoy Biswas India	20m	14.273	A S	India	3383	ML80ms	309	41	SSB	5/9
313	2017-08-19-122745	KEIICHI (Kei) SHIBUKAWA Japan	20m	14.273	A S	Japan	5152	PM85io	40	45	SSB	5/9
314	2017-08-19-123735	Jack Chang Taiwan	20m	14.273	A S	Taiwan	3129	PL03jr	39	44	SSB	5/9
315	2017-08-19-123901	SOEBIANTO SOEWONO Indonesia	20m	14.273	O C	Indonesia	1870	OI86tm	110	51	SSB	5/9



316	2017-08-19-124219	Mangesh Patil India	20m	14.273	A S	India	3383	ML80ms	309	41	SSB	5/9
317	2017-08-19-124320	H.M.Muchlis FS Indonesia	20m	14.273	O C	Indonesia	1870	OI86tm	110	51	SSB	5/9
318	2017-08-19-125522	KIYOTAKA UMAKI Japan	20m	14.273	A S	Japan	5152	PM85io	40	45	SSB	5/9
319	2017-08-19-125841	Kaori Morimoto Japan	20m	14.273	A S	Japan	5152	PM85io	40	45	SSB	5/9
320	2017-08-19-130318	Moch. Taufan "DJOKO" Santoso Indonesia	20m	14.273	O C	Indonesia	1870	OI86tm	110	51	SSB	5/9
321	2017-08-19-131040	Yoshimi (YOSHI) Takeda Japan	20m	14.273	A S	Japan	5152	PM85io	40	45	SSB	5/9
322	2017-08-19-131746		20m	14.273	A S	Cambodia	1168	OK22jl	16	49	SSB	5/9
323	2017-08-19-131858	MUKUNDAN sundararajan India	20m	14.273	A S	India	3383	ML80ms	309	41	SSB	5/9
324	2017-08-19-132215	Takuji Higo Japan	20m	14.273	A S	Japan	5152	PM85io	40	45	SSB	5/9
325	2017-08-19-132433	FIRDAUS (daud) BACHMID Indonesia	20m	14.273	O C	Indonesia	1870	OI86tm	110	51	SSB	5/9
326	2017-08-19-132900	Pradeep N M Kumar India	20m	14.273	A S	India	3383	ML80ms	309	41	SSB	5/9
327	2017-08-19-132947	M. Fachmi Sadjeli Indonesia	20m	14.273	O C	Indonesia	1870	OI86tm	110	51	SSB	5/9
328	2017-08-19-134538	Valery A. Bashinsky Ukraine	20m	14.273	E U	Ukraine	8524	KO50aa	321	29	SSB	5/9
329	2017-08-19-140809	Theeradet Sakulneya (Dave) Thailand	20m	14.245	A S	Thailand	1457	OK05jk	355	49	SSB	5/9
330	2017-08-19-141124	Tibor Fuzik Slovak Republic	20m	14.245	E U	Slovak Republic	9262	JN98rs	319	28	SSB	5/9
331	2017-08-19-141428	Marcello Ianni Italy	20m	14.245	E U	Italy	9703	JN61sr	312	28	SSB	5/9
332	2017-08-19-141628		20m	14.245	E U	France	10547		317		SSB	5/9
333	2017-08-19-141809	Horst Matusczak Germany	20m	14.245	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
334	2017-08-19-141848	Marcello Ianni Italy	20m	14.245	E U	Italy	9703	JN61sr	312	28	SSB	5/9
335	2017-08-19-141957	Michael Kongstedt Greenland	20m	14.245	N A	Greenland	11467	GQ61xs	350	5	SSB	5/9
336	2017-08-19-142029	Roman Frimmel Austria	20m	14.245	E U	Austria	9659	JN77ak	317	28	SSB	5/9
337	2017-08-19-142050	Klaus Poels Germany	20m	14.245	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
338	2017-08-19-142143		20m	14.245	A S	Japan	5152	PM85io	40	45	SSB	5/9
339	2017-08-19-142241	Euang Kham Luang Club Station Thailand	20m	14.245	A S	Thailand	1457	OK05jk	355	49	SSB	5/9
340	2017-08-19-142333	ARNOLDS PREISS Latvia	20m	14.245	E U	Latvia	9009	KO26kw	327	29	SSB	5/9
341	2017-08-19-142549	TETSURO KISHI Japan	20m	14.245	A S	Japan	5152	PM85io	40	45	SSB	5/9
342	2017-08-19-142623	Wolfgang Urban Germany	20m	14.245	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
343	2017-08-19-143050	Ivo Camerlengo Italy	20m	14.245	E U	Italy	9703	JN61sr	312	28	SSB	5/9
344	2017-08-19-143110	Roberto "Bob" Netherlands	20m	14.245	E U	Netherlands	10276	JO21mx	322	27	SSB	5/9
345	2017-08-19-143204	ANDRE MAMET France	20m	14.245	E U	France	10547	JN16eq	317	27	SSB	5/9
346	2017-08-19-143243	Christoph Steinert Germany	20m	14.245	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
347	2017-08-19-143251	Holger (Pit) Baumgaertner Germany	20m	14.245	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
348	2017-08-19-	Salmin Sahidin (MAMIN)	20m	14.245	O	Indonesia	1870	OI86tm	110	51	SSB	5/9



	143325	Indonesia			C						
349	2017-08-19-143342	GIANLUCA "John" MAZZINI Italy	20m	14.245	E U	Italy	9703	JN61sr	312	28	SSB 5/9
350	2017-08-19-143409	Valery A. Bashinsky Ukraine	20m	14.245	E U	Ukraine	8524	KO50aa	321	29	SSB 5/9
351	2017-08-19-143431	Toivo Laimitainen Russia	20m	14.245	E U	European Russia	8264	KO85lx	328	19	SSB 5/9
352	2017-08-19-143449	Patrick Ackermann Germany	20m	14.245	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB 5/9
353	2017-08-19-143512	Francisco Carmo France	20m	14.245	E U	France	10547	JN16eq	317	27	SSB 5/9
354	2017-08-19-143541	Francesco Marchetti Italy	20m	14.245	E U	Italy	9703	JN61sr	312	28	SSB 5/9
355	2017-08-19-143613		20m	14.245	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB 5/9
356	2017-08-19-143649	MICHEL PERRIN France	20m	14.245	E U	France	10547	JN16eq	317	27	SSB 5/9
357	2017-08-19-143732	Alain 'Alan' MINARD France	20m	14.245	E U	France	10547	JN16eq	317	27	SSB 5/9
358	2017-08-19-143817	RENZO GRIS Italy	20m	14.245	E U	Italy	9703	JN61sr	312	28	SSB 5/9
359	2017-08-19-143838	Avramovic Zivotije (ZIKA) Serbia	20m	14.245	E U	Serbia	9156	KN03dn	314	28	SSB 5/9
360	2017-08-19-143854	PETRE (PIT) VASIOIU Romania	20m	14.245	E U	Romania	8815	KN25lu	316	28	SSB 5/9
361	2017-08-19-143926	PASQUALE (LINO) CHIAPPINELLI Italy	20m	14.245	E U	Italy	9703	JN61sr	312	28	SSB 5/9
362	2017-08-19-143957		20m	14.245	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB 5/9
363	2017-08-19-144019	ANDREA BURLO Malta	20m	14.245	E U	Malta	9629	JM75fv	306	28	SSB 5/9
364	2017-08-19-144046	JOHN EDMUNDS England	20m	14.245	E U	England	10702	IO92fs	324	27	SSB 5/9
365	2017-08-19-144105	Dr. Lars Mesow Germany	20m	14.245	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB 5/9
366	2017-08-19-144144	Francis (Frank) montagnino France	20m	14.245	E U	France	10547	JN16eq	317	27	SSB 5/9
367	2017-08-19-144210	Ludovic Wiesner Switzerland	20m	14.245	E U	Switzerland	10109	JN46bt	317	28	SSB 5/9
368	2017-08-19-144240	Anna Koczorowska Poland	20m	14.245	E U	Poland	9343	JO92ii	322	28	SSB 5/9
369	2017-08-19-144307	Kamenev Vladimir P. Russia	20m	14.245	E U	European Russia	8264	KO85lx	328	19	SSB 5/9
370	2017-08-19-144333	Daniele Falcetta Italy	20m	14.245	E U	Italy	9703	JN61sr	312	28	SSB 5/9
371	2017-08-19-144414	Antoni Kuznik Poland	20m	14.245	E U	Poland	9343	JO92ii	322	28	SSB 5/9
372	2017-08-19-144440	François BERGEZ France	20m	14.245	E U	France	10547	JN16eq	317	27	SSB 5/9
373	2017-08-19-144503	Stanislaw Oracz Poland	20m	14.245	E U	Poland	9343	JO92ii	322	28	SSB 5/9
374	2017-08-19-144516	IVO NOVAK Croatia	20m	14.245	E U	Croatia	9523	JN75vn	316	28	SSB 5/9
375	2017-08-19-144527		20m	14.245	E U	European Russia	8264	KO85lx	328	19	SSB 5/9
376	2017-08-19-144553	MIKE V. MYAKTINOV Russia	20m	14.245	E U	European Russia	8264	KO85lx	328	19	SSB 5/9
377	2017-08-19-144614	Andrei Plotkin Ukraine	20m	14.245	E U	Ukraine	8524	KO50aa	321	29	SSB 5/9
378	2017-08-19-144643	Eugene Pavlovich Kochnev Asiatic Russia	20m	14.245	E U	European Russia	8264	KO85lx	328	19	SSB 5/9
379	2017-08-19-144729		20m	14.245	E U	Italy	9703	JN61sr	312	28	SSB 5/9
380	2017-08-19-144752	Rein Kolk Estonia	20m	14.245	E U	Estonia	8989	KO28vp	329	29	SSB 5/9



381	2017-08-19-144811	Thomas Kahl Germany	20m	14.245	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
382	2017-08-19-144826	Victor A. Yatsenyuk Moldova	20m	14.245	E U	Moldova	8575	KN47ff	318	29	SSB	5/9
383	2017-08-19-144857	Jaroslav (Jarek) Rokicki Poland	20m	14.245	E U	Poland	9343	JO92ii	322	28	SSB	5/9
384	2017-08-19-144922	DELFINO TONELLOTO Italy	20m	14.245	E U	Italy	9703	JN61sr	312	28	SSB	5/9
385	2017-08-19-145024	Mikhail S. Oleynikov Russia	20m	14.245	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
386	2017-08-19-145140		20m	14.245	E U	Austria	9659	JN77ak	317	28	SSB	5/9
387	2017-08-19-145253		20m	14.245	E U	Poland	9343	JO92ii	322	28	SSB	5/9
388	2017-08-19-145322	JOAN CARLES BARCELO TORTA Spain	20m	14.245	E U	Spain	11185	IN80aa	311	37	SSB	5/9
389	2017-08-19-145336		20m	14.245	E U	Sweden	9578	JP73xp	334	18	SSB	5/9
390	2017-08-19-145406	ing. Dmytro Lukyanchikov Ukraine	20m	14.245	E U	Ukraine	8524	KO50aa	321	29	SSB	5/9
391	2017-08-19-145452	TAE-SU SONG South Korea	20m	14.245	A S	Republic of Korea (S. Korea)	4645	PM36vo	32	44	SSB	5/9
392	2017-08-19-145519	DANIO CARTA (Dan) Italy	20m	14.245	E U	Italy	9703	JN61sr	312	28	SSB	5/9
393	2017-08-19-145630		20m	14.245	E U	Sweden	9578	JP73xp	334	18	SSB	5/9
394	2017-08-19-145643	VILNIS MUCENIEKS Latvia	20m	14.245	E U	Latvia	9009	KO26kw	327	29	SSB	5/9
395	2017-08-19-145652	Igor Syerikov Ukraine	20m	14.245	E U	Ukraine	8524	KO50aa	321	29	SSB	5/9
396	2017-08-19-145710	Christian (Cris) Puttin Germany	20m	14.245	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
397	2017-08-19-145805	K TROOST Netherlands	20m	14.245	E U	Netherlands	10276	JO21mx	322	27	SSB	5/9
398	2017-08-19-145836	RADIO CLUB DE PROVINS France	20m	14.245	E U	France	10547	JN16eq	317	27	SSB	5/9
399	2017-08-19-145931	Ivan Solovei Ukraine	20m	14.245	E U	Ukraine	8524	KO50aa	321	29	SSB	5/9
400	2017-08-19-150031	Vittorio Branca Sardinia	20m	14.245	E U	Sardinia	10095	JN40la	310	28	SSB	5/9
401	2017-08-19-150122	Wolfgang Klaiber Spain	20m	14.245	E U	Spain	11185	IN80aa	311	37	SSB	5/9
402	2017-08-19-150148	Carola Leeman Sweden	20m	14.245	E U	Sweden	9578	JP73xp	334	18	SSB	5/9
403	2017-08-19-150247		20m	14.245	E U	Denmark	9968	JO46na	326	18	SSB	5/9
404	2017-08-19-150316	Gennady Shibaev Russia	20m	14.245	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
405	2017-08-19-150405	GILBERTO TANA Italy	20m	14.245	E U	Italy	9703	JN61sr	312	28	SSB	5/9
406	2017-08-19-150436	Korolyov Vladimir V. Russia	20m	14.245	A S	Asiatic Russia	6785	NP01dc	348	20	SSB	5/9
407	2017-08-19-150553	Takao Sudoh Japan	20m	14.245	A S	Japan	5152	PM85io	40	45	SSB	5/9
408	2017-08-19-150651	Aleix Roca Angles Spain	20m	14.245	E U	Spain	11185	IN80aa	311	37	SSB	5/9
409	2017-08-19-150727	Vojko Delpin Slovenia	20m	14.245	E U	Slovenia	9614	JN76ha	316	28	SSB	5/9
410	2017-08-19-150813	Eli Bar Israel	20m	14.245	A S	Israel	7717	KM71jq	303	39	SSB	5/9
411	2017-08-19-150844	SEPPO SUNIKKA Finland	20m	14.245	E U	Finland	9079	KP34hp	335	18	SSB	5/9
412	2017-08-19-150951	GIORGOS FOUGIAS Greece	20m	14.245	E U	Greece	9012	KM09tl	310	28	SSB	5/9



413	2017-08-19-151030	DI LORENZO FRANCESCO Italy	20m	14.245	E U	Italy	9703	JN61sr	312	28	SSB	5/9
414	2017-08-19-151118	NIKOLAJ BRINK Denmark	20m	14.245	E U	Denmark	9968	JO46na	326	18	SSB	5/9
415	2017-08-19-151216	Club Station EDR Grenaa Afdelingen Denmark	20m	14.245	E U	Denmark	9968	JO46na	326	18	SSB	5/9
416	2017-08-19-151259	Oleg A. Schekin Russia	20m	14.245	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
417	2017-08-19-151323	Yannis Michailidis Greece	20m	14.245	E U	Greece	9012	KM09tl	310	28	SSB	5/9
418	2017-08-19-151422	Vyacheslav "STAN" L. Samarsky Russia	20m	14.245	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
419	2017-08-19-151526	WOLFRED GRAEF Austria	20m	14.245	E U	Austria	9659	JN77ak	317	28	SSB	5/9
420	2017-08-19-151716	Osman Demir Turkey	20m	14.245	A S	Turkey	7893	KM78hu	311	39	SSB	5/9
421	2017-08-19-151808	Josef Ondracek Czech Republic	20m	14.245	E U	Czech Republic	9569	JN79pp	320	28	SSB	5/9
422	2017-08-19-151951		20m	14.245	A S	Japan	5152	PM85io	40	45	SSB	5/9
423	2017-08-19-152018	Kazuaki Kimura Japan	20m	14.245	A S	Japan	5152	PM85io	40	45	SSB	5/9
424	2017-08-19-152148	Bernhard M. Stefan Germany	20m	14.245	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
425	2017-08-19-152429	Club station - Eksperimenterende Danske Radioamat�,rer - Esbjerg Denmark	20m	14.245	E U	Denmark	9968	JO46na	326	18	SSB	5/9
426	2017-08-19-152453	Alexandru "Alex" Maior Romania	20m	14.245	E U	Romania	8815	KN25lu	316	28	SSB	5/9
427	2017-08-19-152600	PETRE (PIT) VASIOIU Romania	20m	14.245	E U	Romania	8815	KN25lu	316	28	SSB	5/9
428	2017-08-19-152936	ANTONIO JO�fO FAUSTINO Portugal	20m	14.245	E U	Portugal	11555	IM59up	312	37	SSB	5/9
429	2017-08-19-153107	ROBERTO GAGLIOTI Italy	20m	14.245	E U	Italy	9703	JN61sr	312	28	SSB	5/9
430	2017-08-19-153204	Hans Wywiol Germany	20m	14.245	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
431	2017-08-19-153259	Jean-Luc MARQUIS France	20m	14.245	E U	France	10547	JN16eq	317	27	SSB	5/9
432	2017-08-19-153416		20m	14.245	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
433	2017-08-19-153554	Luca Petrillo Italy	20m	14.245	E U	Italy	9703	JN61sr	312	28	SSB	5/9
434	2017-08-19-153756	Javier Fernandez Ros Spain	20m	14.245	E U	Spain	11185	IN80aa	311	37	SSB	5/9
435	2017-08-19-153946	GIORGIO PAVAN Italy	20m	14.245	E U	Italy	9703	JN61sr	312	28	SSB	5/9
436	2017-08-19-154112	KADIR GORUR Turkey	20m	14.245	A S	Turkey	7893	KM78hu	311	39	SSB	5/9
437	2017-08-19-154325	Jozef Kalocsanyi Slovak Republic	20m	14.245	E U	Slovak Republic	9262	JN98rs	319	28	SSB	5/9
438	2017-08-19-154433		20m	14.245	E U	France	10547	JN16eq	317	27	SSB	5/9
439	2017-08-19-154548	LAURENT Philippe France	20m	14.245	E U	France	10547	JN16eq	317	27	SSB	5/9
440	2017-08-19-154617	Riccardo Bolognesi Italy	20m	14.245	E U	Italy	9703	JN61sr	312	28	SSB	5/9
441	2017-08-19-154708	Michael Beck Germany	20m	14.245	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
442	2017-08-19-	ADRIAN SINITARU	20m	14.245	E	Romania	8815	KN25lu	316	28	SSB	5/9



	154753	Romania			U							
443	2017-08-19-154828	JAROSLAV RAZ Czech Republic	20m	14.245	E U	Czech Republic	9569	JN79pp	320	28	SSB	5/9
444	2017-08-19-154950	Mika "mike" Liljeroos Finland	20m	14.245	E U	Finland	9079	KP34hp	335	18	SSB	5/9
445	2017-08-19-155113		20m	14.245	E U	Sweden	9578	JP73xp	334	18	SSB	5/9
446	2017-08-19-155207	Santimovsky Alexander N. Ukraine	20m	14.245	E U	Ukraine	8524	KO50aa	321	29	SSB	5/9
447	2017-08-19-155304		20m	14.245	E U	France	10547	JN16eq	317	27	SSB	5/9
448	2017-08-19-155446	Herbert Doll Germany	20m	14.245	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
449	2017-08-19-155610	MAURIZIO STEFANOLI Italy	20m	14.245	E U	Italy	9703	JN61sr	312	28	SSB	5/9
450	2017-08-19-155727	Teresa "Terry" Salemi Italy	20m	14.245	E U	Italy	9703	JN61sr	312	28	SSB	5/9
451	2017-08-19-160244	Armando (Army) Di Martino Italy	20m	14.245	E U	Italy	9703	JN61sr	312	28	SSB	5/9
452	2017-08-19-160330	Hans - G�nter Leistner Germany	20m	14.245	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
453	2017-08-19-160453	COLIN WARDELL England	20m	14.245	E U	England	10702	IO92fs	324	27	SSB	5/9
454	2017-08-19-160601	LUDOVIC . France	20m	14.245	E U	France	10547	JN16eq	317	27	SSB	5/9
455	2017-08-19-160640	Stephan Kristen Germany	20m	14.245	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
456	2017-08-19-160739	Club Station DARC OV- Oberhausen Germany	20m	14.245	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
457	2017-08-19-160843	Dominique BREDIF France	20m	14.245	E U	France	10547	JN16eq	317	27	SSB	5/9
458	2017-08-19-161053	Vlad Wanziak Ukraine	20m	14.245	E U	Ukraine	8524	KO50aa	321	29	SSB	5/9
459	2017-08-19-161153	Sado Terzic Croatia	20m	14.245	E U	Croatia	9523	JN75vn	316	28	SSB	5/9
460	2017-08-19-161223	Jerome (jerry) CHARTON France	20m	14.245	E U	France	10547	JN16eq	317	27	SSB	5/9
461	2017-08-19-161305	Franjo Majer Slovenia	20m	14.245	E U	Slovenia	9614	JN76ha	316	28	SSB	5/9
462	2017-08-19-161410	Jacek Polczynski Poland	20m	14.245	E U	Poland	9343	JO92ii	322	28	SSB	5/9
463	2017-08-19-161451	Ralf Tauchnitz Germany	20m	14.245	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
464	2017-08-19-161617	Charly Lichtenecker Austria	20m	14.245	E U	Austria	9659	JN77ak	317	28	SSB	5/9
465	2017-08-19-161652	Allan Batievsky Spain	20m	14.245	E U	Spain	11185	IN80aa	311	37	SSB	5/9
466	2017-08-19-161712	MAURIZIO (MAURO) MARINI Italy	20m	14.245	E U	Italy	9703	JN61sr	312	28	SSB	5/9
467	2017-08-19-161753	VINCENZO CALI Italy	20m	14.245	E U	Italy	9687	JN61sr	312	28	SSB	5/9
468	2017-08-19-161837	Segerstad Lighthouse Event Station Sweden	20m	14.245	E U	Sweden	9578	JP73xp	334	18	SSB	5/9
469	2017-08-19-161908	Walter Figl Austria	20m	14.245	E U	Austria	9648	JN77ak	317	28	SSB	5/9
470	2017-08-19-162007		20m	14.245	E U	Wales	10855		323		SSB	5/9
471	2017-08-19-162029	Cornelis (Kees) L. Nijdam Netherlands	20m	14.245	E U	Netherlands	10276	JO21mx	322	27	SSB	5/9
472	2017-08-19-162121	Fabio Buatti Italy	20m	14.245	E U	Italy	9687	JN61sr	312	28	SSB	5/9
473	2017-08-19-162310	Vladimir I. Korogid Ukraine	20m	14.245	E U	Ukraine	8515	KO50aa	321	29	SSB	5/9



474	2017-08-19-162434	Vasily Bardin Russia	20m	14.245	E U	European Russia	8260	KO85lx	328	19	SSB	5/9
475	2017-08-19-162508	ROLAND ROBIC Austria	20m	14.245	E U	Austria	9659	JN77ak	317	28	SSB	5/9
476	2017-08-19-162558	Uwe Heinrich Germany	20m	14.245	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
477	2017-08-19-162643	DONAUER ARMIN Switzerland	20m	14.245	E U	Switzerland	10109	JN46bt	317	28	SSB	5/9
478	2017-08-19-162707	Henry (Enrico) Pardossi Italy	20m	14.245	E U	Italy	9703	JN61sr	312	28	SSB	5/9
479	2017-08-19-162905	Stefan Visan Romania	20m	14.245	E U	Romania	8815	KN25lu	316	28	SSB	5/9
480	2017-08-19-162946	Massimo Lugli Italy	20m	14.245	E U	Italy	9703	JN61sr	312	28	SSB	5/9
481	2017-08-19-163014	Lighthouse Romanshorn Special Callsign 20. & 21.08.2016 Switzerland	20m	14.245	E U	Switzerland	10109	JN46bt	317	28	SSB	5/9
482	2017-08-19-163206	Werner Theis Germany	20m	14.245	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
483	2017-08-19-163246	Jouni Ylis-Ah�e Finland	20m	14.245	E U	Finland	9079	KP34hp	335	18	SSB	5/9
484	2017-08-19-163308	Robin Moseley England	20m	14.245	E U	England	10702	IO92fs	324	27	SSB	5/9
485	2017-08-19-163516	Herbert Doll Germany	20m	14.245	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
486	2017-08-19-163631	Christer Sandstrom Sweden	20m	14.245	E U	Sweden	9578	JP73xp	334	18	SSB	5/9
487	2017-08-19-163909	Willi Bienemann Germany	20m	14.245	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
488	2017-08-19-164006	Siegfried Lodko Germany	20m	14.245	E U	Fed. Republic of Germany	9959	JO40vs	321	28	SSB	5/9
489	2017-08-19-164036	Slawomir KARCZEWSKI Poland	20m	14.245	E U	Poland	9343	JO92ii	322	28	SSB	5/9
490	2017-08-19-164105	KENNETH H HICKMAN United States	20m	14.245	N A	United States	15016	EM19fa	21	6	SSB	5/9
491	2017-08-19-164144	STEVAN STEPANOV Serbia	20m	14.245	E U	Serbia	9156	KN03dn	314	28	SSB	5/9
492	2017-08-19-164258	VERA STEPANOV Serbia	20m	14.245	E U	Serbia	9156	KN03dn	314	28	SSB	5/9
493	2017-08-19-164318		20m	14.245	E U	Poland	9343	JO92ii	322	28	SSB	5/9
494	2017-08-19-164342	Karol Pytkowski Poland	20m	14.245	E U	Poland	9343	JO92ii	322	28	SSB	5/9
495	2017-08-19-164439	SALVATORE De Simone Italy	20m	14.245	E U	Italy	9703	JN61sr	312	28	SSB	5/9
496	2017-08-19-164611	ROBIN SYKES England	20m	14.245	E U	England	10702	IO92fs	324	27	SSB	5/9
497	2017-08-19-164817	GIORGIO RIVOLO aly	20m	14.245	E U	Italy	9703	JN61sr	312	28	SSB	5/9
498	2017-08-19-165007	Alexei V. Pokhmelnov Russia	20m	14.245	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
499	2017-08-19-165105	Moreno MARTINI Italy	20m	14.245	E U	Italy	9703	JN61sr	312	28	SSB	5/9
500	2017-08-19-165235	Tony, Antal Tari Hungary	20m	14.245	E U	Hungary	9275	JN97ne	317	28	SSB	5/9
501	2017-08-19-165324	RAIMUNDO RUIZ REAL Spain	20m	14.245	E U	Spain	11185	IN80aa	311	37	SSB	5/9
502	2017-08-19-165503	ROMAN BORYSEWICZ Poland	20m	14.245	E U	Poland	9343	JO92ii	322	28	SSB	5/9
503	2017-08-19-165642	Steven M. WRAGGE England	20m	14.245	E U	England	10702	IO92fs	324	27	SSB	5/9
504	2017-08-19-165706	DAVE HAMPTON England	20m	14.245	E U	England	10702	IO92fs	324	27	SSB	5/9
505	2017-08-19-165816	DIDIER BRURIAUD France	20m	14.245	E U	France	10547	JN16eq	317	27	SSB	5/9
506	2017-08-19-165852	JOSEP BERNAT MOLINA NOGUES	20m	14.245	E U	Spain	11185	IN80aa	311	37	SSB	5/9



		Spain										
507	2017-08-19-165938	Luigi Maggi Italy	20m	14.245	E U	Italy	9703	JN61sr	312	28	SSB	5/9
508	2017-08-19-170017	Pablo Molina Fernandez Spain	20m	14.245	E U	Spain	11185	IN80aa	311	37	SSB	5/9
509	2017-08-19-170148	(Arek) Arkadiusz Makowski Poland	20m	14.245	E U	Poland	9343	JO92ii	322	28	SSB	5/9
510	2017-08-19-170246	GIUSEPPE D' ALESSANDRO Italy	20m	14.245	E U	Italy	9703	JN61sr	312	28	SSB	5/9
511	2017-08-19-170826	Walter Figl Austria	20m	14.245	E U	Austria	9659	JN77ak	317	28	SSB	5/9
512	2017-08-19-171428	Francisco A. MuÃ±iz alvarez Spain	20m	14.245	E U	Spain	11185	IN80aa	311	37	SSB	5/9
513	2017-08-19-172129	RAJESH India	20m	14.245	A S	India	3383	ML80ms	309	41	SSB	5/9
514	2017-08-19-185444	Cork Radio Club (Old Head Lighthouse Special Event) Ireland	20m	14.2075	E U	Ireland	11119	IO53wc	325	27	SSB	5/9
515	2017-08-20-025733	F. Yudhi Priyo Amboro Indonesia	40m	7.15	O C	Indonesia	1870	OI86tm	110	51	SSB	5/9
516	2017-08-20-031021	Abdul Wahab Abdullah West Malaysia	40m	7.15	A S	West Malaysia	131	OJ13cm	16	54	SSB	5/9
517	2017-08-20-040011	PYOTR P BOBROWSKIY Russia	20m	14.155	E U	European Russia	8264	KO85lx	328	19	SSB	5/9
518	2017-08-20-040801	Tony (Anton Kamyshev) Russia	20m	14.154	E U	European Russia	8264	KO85lx	328	19	SSB	5/9

10.1 WORKING CONDITION

Working Condition of the operating station as below:

Transceiver :	Icom IC-706MKIIG max 100W transmission
Power Supply:	20Amp 12VDC Switching Power Supply
Power Source:	From Lighthouse 230VAC Supply from 3Pin Socket
Tuner:	MFJ Travel Tuner 100W
Antenna Selector Switch:	5 source selector
Antenna:	<ol style="list-style-type: none"> 1. G5RV Junior (Omnidirectional) & 2. TH-3JRS - Hy-Gain



One Wooden table was used to setup the communication station of 9M4LHN.

11 WORKING ENVIRONMENT

Marine Department (Jabatan Laut) have provided all the facilities and shared the utilities and resources for this event at no cost as a support for the awareness of Navigational Safety.

11.1 FULL TIME COORDINATION

The Organizing Team prepared the working schedule arrangements in a neatly order.

<p>9W2KNZ</p>	<p>Station Coordinator Rizal 9W2KNZ with a number of students at the night of Saturday 19/08/2017 working with Europe.</p>
<p>9W2KVE</p>	<p>Station Operator 9W2KVE with participants ensuring all the logs and HF spots and band are in favor.</p>
	<p>SWL Aina (FCC Technician License N2ANA) handling a group of participants for them to be familiar with CQ calls before the band opens</p>
<p>9M2QQ</p>	<p>Knowledge sharing session after dinner with Station Master 9M2QQ Hans who came for his vacation from Germany.</p>

11.2 FACILITIES PROVIDED

Access to the Tower to fix antenna, rest place and usage of utilities of water & electricity

	<p>Location for Tent for night rest around the area.</p>
	<p>Open space camping on the ground of the lighthouse.</p>
	<p>Place to cook the meals and Barbeque was provided for the participants on the last night of the event.</p>
	<p>Power Supply, Table, Chair, Comfortable working Space are given to all to be use as facility</p>

11.3 BRIEFING AND KNOWLEDGE SHARING SESSION

A short session with the participating student was held by Jayakanthan 9W2BUG

	<p>Knowledge Sharing Session covers the topic:</p> <ul style="list-style-type: none"> - Navigational safety - Speed of light and electromagnetic waves - Directional antenna - Curvature of earth - Line of sights and frequencies - Azimuth map of world - Natural navigational aid of stars pattern and magnetic compass - Operational Safety
	<p>With the participating Team Member whom all had a contacts with DX stations using 100W transmission from this lighthouse via 9M4LHN Callsign</p>

11.4 GUARD OF HONOURS

These 2 cats are obedient followers and fulltime caretakers for this Lighthouse where they keep clean the environment and the pest from entering the fenced ground. They welcome us and accompany everyone during the entire stay as full time duty.





12 NOTICED IMPROVEMENTS IN THIS EVENT

Below are the suggestions that we feel needed to be improving from time to time to make this event a bit more successful and comfortable to

12.1 EQUIPMENT & SETUP

Equipment's were setup in best condition available on that location.



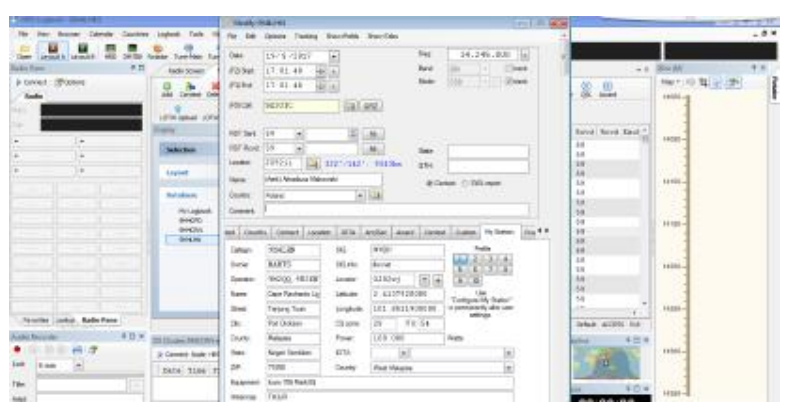
12.2 QRZ.COM UPDATE

QRZ.com was updated with location, images, write-up, QSL bureau and QSL Manager's information



12.3 LOG ANALYSIS

Logs are kept up to date with entry in computer via N1MM Logger+ and the exported ADIF can be access and analyze with QRZ.com integration using Ham Radio Deluxe.



12.4 HRDLOG.NET ONLINE SUBMISSION

Upon analyzing the logs and exported ADIF was uploaded to hrdlog.net for 9M4LHN to get the graphical summary and statistic comparisons.





13 SUGGESTIVE IMPROVEMENTS

Below are the suggestions that we feel should be improved from time to time to make this event a bit more successful and comfortable to operate Amateur Radio from the Lighthouse.

13.1 COLABORATION WITH MARINE & POLYTECHNIQUE

To make it as yearly event with MOU signed with MARTS, MARINE and POLYTECHNIC in assisting students participation and awareness of amateur radio communication for the study course Electronics Communication Engineering at the same time have working experience with point to point communication apparatus.

13.2 FOOD AND PREPARATION

It should be simple in manner and easy for management in this 3days & 2nights event since the surroundings are nature preserve forest to avoid any animal or crawling creatures interested with our cooking and temporary storage location

13.3 COMMUNICATION SCRIPTS

Polite short scripts to be prepare at each operating station for newcomers before they get use to it fluently and comfortable.

To prevent command words like “Stand By”, “Stand Down” or grammatically incorrect sentences like “Standing By” form the communication. In Radio Communication it should be kept Short and Simple with K.I.S.S. format (Keep it Short And Simple).

In Malaysia we used to add the verbs in our grammar which we feel sounds better to the ears but in real world it causes alot of confusion like “More Better” (lebih baik) “Better Still”(bagus lagi) etc. And all the new words are commonly copied by newbies in assuming this is the protocol words in communications and it been followed by the rest. Whenever been corrected, argument arise from who they referred with challenges of who is better than the rest. The best way to overcome this is to read and understand rather than following others.

13.4 CLEANLINESS AND NATURE

Constant cleanup and tidy neat surrounding are expected to prevent any debris or food waste from flying and disturb the radio operation during heavy wind conditions.

13.5 REPORT SHARING WITH ALL

To share the report and achievements to all approvers and facility providers a written report to show the commitments and appreciate the help of all parties in a week time.

13.6 APPRECIATION MESSAGE

Thank you note to all should be submitted as written letter or an email upon end of events to recognize everyone effort with summary of the logs.



14 THANK YOU NOTE

The author of this report would like to thank everyone who was involved in this event directly or indirectly for making this Lighthouse operation successful for another year since ILLW 1998.

14.1 VISITING STATIONS

We would like to thank **Station Coordinator 9W2KNZ Rizal & Station Master 9M2QQ Hans** for allowing us to visit and be together for this event during the 2nd day onwards.



14.2 THE ENTIRE PARTICIPANTS

The whole participants of ILLW 2017 of 9M4LHN at Cape Racado Tg Tuan Lighthouse. Hope all have a valuable experience and shall meet again next year for more fruitful condition and capabilities.



----- END OF VISIT REPORT, 73 Jayakanthan 9W2BUG -----

