

Update: 111205

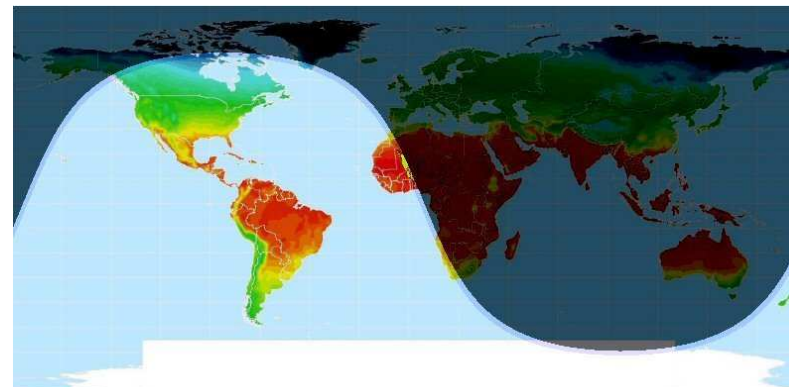


PropRadio Plot & Graph

http://www.longitude13degreeseast.com/PropRadio_Plot_Graph.html

UTC Time:

Monday, December 05, 2011
17:29:22 UTC



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PropRadio FORECASTING

	SIDC - Start/End Of All Quiet Alert From SIDC/RWC - Solar Influences Data Center, BEL [http://www.sidc.be/products/quieta/]
	Space Weather Warnings Timeline - NOAA-SWPC, USA [http://www.swpc.noaa.gov/alerts/warnings_timeline.html]
	Predict the MeV Electron Radiation Belt Flux - LASP Colorado, USA [http://lasp.colorado.edu/space_weather/xf3/xf3.html]
	Current Dst Index and AL Index Predictions Using Real-Time ACE Data - LASP Colorado, USA [http://lasp.colorado.edu/space_weather/dsttemerin/dsttemerin.html]
	WWV Geophysical Alert Message - NOAA-SWPC, USA [http://www.swpc.noaa.gov/ftpdir/latest/wwv.txt]
	2-Hour Short Term Auroral Forecast - Geophysical Institute - University of Alaska Fairbanks, ALS-USA [http://www.gedds.alaska.edu/AuroraForecast/ShortTerm.asp]
	12-Hour Predicted Geomagnetic Activity Index - NOAA-SWPC, USA [http://www.swpc.noaa.gov/wingkp/]
	3-Day Space Weather Predictions - NOAA-SWPC, USA [http://www.swpc.noaa.gov/ftpdir/latest/daypre.txt]
	3-Day Latest SWPC Space Weather Forecast - NOAA-SWPC, USA [http://www.swpc.noaa.gov/forecast.html]
	4-Day Ecliptic Plane IMF to 2 AU - Geophysical Institute - University of Alaska Fairbanks, ALS-USA [http://gse.gi.alaska.edu/recent/ec8_recent.pdf]
	4-Day Solar Wind Parameters at L1 - Geophysical Institute - University of Alaska Fairbanks, ALS-USA [http://gse.gi.alaska.edu/recent/vdp_recent.pdf]
	Weekly Highlights and Forecasts - NOAA-SWPC, USA [http://www.swpc.noaa.gov/ftpdir/weekly/WKHF.txt]
	Weekly Forecasts Bulletin - Czech Propagation Interested Group, CZ [http://www.asu.cas.cz/~sunwatch/forecasts.html]
	Geomagnetic Activity Forecast - by Czech Propagation Interested Group, CZ [http://www.cbk.waw.pl/rwc/pruh.ur]
	7-Day Wing Kp Predicted Activity Index - NOAA-SWPC, USA [http://www.swpc.noaa.gov/wingkp/seven_day.html]
	27-Day Space Weather Outlook Table - NOAA-SWPC, USA [http://www.swpc.noaa.gov/ftpdir/weekly/27DO.txt]
	28-Day Solar Wind Parameters at L1 - Geophysical Institute - University of Alaska Fairbanks, ALS-USA [http://gse.gi.alaska.edu/recent/vdp_run28d.pdf]
	28-Day Solar Wind Parameters at L1 (GSM) - Geophysical Institute - University of Alaska Fairbanks, ALS-USA [http://gse.gi.alaska.edu/recent/vdbs_run28d.pdf]
	45-Day AP Forecast - NOAA-SWPC, USA [http://www.swpc.noaa.gov/ftpdir/latest/45DF.txt]
	Predicted Sunspot Number And Radio Flux Values - NOAA-SWPC, USA [http://www.swpc.noaa.gov/ftpdir/weekly/Predict.txt]
	Solar Cycle Prediction - NASA Solar Physics, USA [http://solarscience.msfc.nasa.gov/predict.shtml]



[Solar Cycle Progression and Prediction](http://www.swpc.noaa.gov/SolarCycle/) - NOAA-SWPC, USA [http://www.swpc.noaa.gov/SolarCycle/]



[Ecliptic Plane IMF Forecasts](http://gse.gi.alaska.edu/recent/javascript_movie.html) - Geophysical Institute - University of Alaska Fairbanks, ALS-USA [http://gse.gi.alaska.edu/recent/javascript_movie.html]



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Tabla de Propagación

Enrique A. Wembagher // www.qrz.com/callsign/LU8EFF
<http://espanol.groups.yahoo.com/group/Tabla-Prop/>





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Predicciones de las condiciones de propagación HF
Alonso Mostazo Plano EA3EPH



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[Africa Diciembre 2011 Enero 2012.pdf](#) [Dec 2011-Jan 2012 AF]























[Noviembre Diciembre 2011 Propagación HF Navegantes.pdf](#) [Nov-Dec 2011 Overseas]










[Noviembre Diciembre 2011 Europa.pdf](#) [Nov-Dec 2011 EU]

PropRadio NOWCASTING









	Today's Space Weather - NOAA-SWPC, USA [http://www.swpc.noaa.gov/today.html]
	Current Space Weather Conditions - NOAA-NWS-SWPC, USA [http://www.swpc.noaa.gov]
	Geomagnetic and Solar Indices - NOAA-SWPC, USA [http://www.swpc.noaa.gov/alerts/solar_indices.html]
	Geomagnetic Activity Chart - NICT, J [http://hirweb.nict.go.jp/sedoss/geoact]
	Space Weather - IPS Radio and Space Service, AUS [http://www.ips.gov.au/Space_Weather]
	Space Weather Indices Summary - NWRA - NorthWest Research Associates Inc , USA [http://www.nwra.com/spawx/env_latest.html]
	Ionospheric TEC Map (Total Electron Content) - JPL Jet Propulsion Laboratory, USA [http://iono.jpl.nasa.gov/latest_rti_global.html]
	TEC Map - Europe - DLR-SWACI, D [http://swaciweb.dlr.de/index.php?id=278&L=1]
	TEC Map - World - DLR-SWACI, D [http://swaciweb.dlr.de/index.php?id=279&L=1]
	3-Day GOES Electron Flux Monitor - NOAA-SWPC, USA [http://www.swpc.noaa.gov/rt_plots/elec_3d.html]
	Propagation - DX.OSL.Net, USA [http://dx.qsl.net/propagation/index.html]
	Solar Terrestrial Activity Report - Jan Alvestad, S [http://www.solen.info/solar/]
	AIS INGV Ionosonde - Latest Ionogram from Rome - INGV - Istituto Nazionale Geofisica-Vulcanologia, I [http://ionos.ingv.it/Roma/latest.html]
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	Current Solar Wind Conditions (Dials Only) - Rice University, Physic & Astronomy Department, USA [http://space.rice.edu/ISTP/justdials.html]
	Current Solar Wind Conditions (Boyle Index) - Rice University, Physic & Astronomy Department, USA [http://space.rice.edu/ISTP/wind.html]
	Aurora Forecast Page - Geophysical Institute - University of Alaska Fairbanks, ALS-USA [http://www.gi.alaska.edu/AuroraForecast]
	CSSDP Real-Time Auroral Oval - Canadian Space Science Data Portal , CAN [http://portal.cssdp.ca:8080/ssdp/static_content/ssdp/rt_oval/index.html]
	NOAA POES Auroral Activity - NOAA-SWPC, USA [http://www.swpc.noaa.gov/pmap/index.html]
	7-Day Auroral Boundary Indices - NWRA - NorthWest Research Associates Inc , USA [http://www.nwra.com/spawx/ssj4.html]
	NOAA POES Energetic Particles - NOAA-SWPC, USA [http://www.swpc.noaa.gov/tiger/index.html]
	Current Solar Data - N3KL, USA [http://www.n3kl.org/sun]
	Real-time GOES-13 Proton Flux Observations - Chandra Science Operations Team, USA [http://cxc.harvard.edu/mta/G13.html]


















	MTOF Proton Monitor - The Latest 48 Hours of Solar Wind Data, USA [http://umtof.umd.edu/pm]
	Solar Protons Detected by POES - NOAA-SWPC, USA [http://www.swpc.noaa.gov/tiger/SolarProtons.html]
	3-Day Satellite Environment Monitor - Proton Flux from GOES-13 - NOAA-SWPC, USA [http://www.swpc.noaa.gov/rt_plots/satenv.html]
	Moscow Neutron Monitor - Online Cosmic Rays, RUS [http://helios.izmiran.rssi.ru/cosray/main.htm]
	MTOF Flare Monitor - The Latest 48 Hours of Solar Flare Activity, USA [http://umtof.umd.edu/pm/flare]
	X-ray Flare Monitor - The Latest 48 Hours of Photon Data, USA [http://umtof.umd.edu/sem]
	Space Weather.Com - News and Information about the Sun-Earth Environment, USA [http://www.spaceweather.com/]
	Real-Time Space Weather, USA [http://www.visi.com/~brainiac/solar]
	HF Propagation and Solar-Terrestrial Data Website, USA [http://www.hamqsl.com/solar.html]
	Belt Indices - NOAA-SWPC, USA [http://www.swpc.noaa.gov/tiger/BeltIndices.html]
	STORM Time Empirical Ionospheric Correction Model - NOAA-SWPC, USA [http://www.swpc.noaa.gov/storm/index.html]
	15 Minute Costello Geomagnetic Activity Index - NOAA-SWPC, USA [http://www.swpc.noaa.gov/ftpd/ir/lists/costello/ace_pkp_15m.txt]
	Latest Space Weather Data - SIDC - Solar Influences Data Center, BEL [http://www.sidc.be/LatestSWData/LatestSWData.php]
	Current Conditions - PSC - Propagation Service Center [http://psc.suijs.info/]
	Current Space Weather - LMSAL Lockheed Martin Solar & Astrophysics Laboratory, USA [http://www.lmsal.com/~schryver/Public/homepage/weatherstation.html]
	Attività Solare Odierna - AstroALA - Associazione Lucana di Astronomia, I [http://www.astroala.it]
	Dati Sole In Diretta - NIA - New Ice Age, Sole, Meteo e Cambiamenti Climatici, I [http://daltonsm minima.wordpress.com/dati_ sole_in_diretta/]
	Propagation Data - CT1BOH Contest Pages, POR [http://www.qsl.net/ct1boh/propagation.htm]
	Realtime Propagation Monitor - LA4LN Tom V. Segalstad,NOR [http://folk.uio.no/tomvs/realtime/monitor1.htm]
	Radiowave Propagation Center - NW7US, USA [http://prop.hfradio.org/]
	On-Line HF Propagation Prediction - HAMwaves.com [http://hamwaves.com/propagation/index.html]
	VOACAP Online Prediction - VOACAP, USA-FIN [http://www.voacap.com/prediction.html]
	Solar Terrestrial Dispatch - STD, CAN [http://www.spacew.com]
	160 Meter Radio Propagation Prediction Table - STD, CAN [http://www.spacew.com/www/160pred.html]





	Near-Real-Time MUF Map - by STD, CAN [http://www.spacew.com/www/realtime.php]
	Near-Real-Time F2-Layer Critical Frequenc Map - by STD, CAN [http://www.dxzone.com/cgi-bin/dir/jump2.cgi?ID=13344]
	Global D-Region Absorption Prediction - NOAA-SWPC, USA [http://www.swpc.noaa.gov/drap/index.html]
	Daily Local Noon Solar Radio Flux Values - NOAA-SWPC, USA [http://www.swpc.noaa.gov/ftpdir/lists/radio/rad.txt]
	W4 / VP9KF Propagation - VP9KF, BER [http://w4.vp9kf.com/propagation.htm]
	Estado de la Ionosfera - EA8BRW, E [http://www.ea8brw.es/index.php/estado-de-la-ionosfera]
	Estado de la Magnetosfera - EA8BRW, E [http://www.ea8brw.es/index.php/estado-de-la-magnetosfera]

	
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	Tavole di Previsione per la Radiopropagazione Ionosferica - Luglio-Agosto 2011 - INGV - Istituto Nazionale Geofisica-Vulcanologia, I [http://www.ingv.it]
	Tavole di Previsione per la Radiopropagazione Ionosferica - Maggio-Giugno 2011 - INGV - Istituto Nazionale Geofisica-Vulcanologia, I [http://www.ingv.it]
	Tavole di Previsione per la Radiopropagazione Ionosferica - Marzo-Aprile 2011 - INGV - Istituto Nazionale Geofisica-Vulcanologia, I [http://www.ingv.it]

	<p>GRUPO RADIOESCUCHA ARGENTINO</p> <p><u>Tabla de Propagación</u></p> <p>Enrique A. Wembagher // www.qrz.com/callsign/LU8EFF http://espanol.groups.yahoo.com/group/Tabla-Prop/</p> 
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<p><u>Predicciones de las condiciones de propagación HF</u> Alonso Mostazo Plano EA3EPH</p>	
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	Africa Octubre Noviembre 2011.pdf [Oct-Nov 2011 AF]
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PropRadio NEARCASTING

	Propagation Service Center - Forecasts [http://psc.suijs.info/forecast1.htm]
	Solar Soft - Solar Wind Model - LMSAL Lockheed Martin Solar & Astrophysics Laboratory - USA [http://www.lmsal.com/forecast/wind.html]
	3-Day GOES Electron Flux Plots Archive - NOAA-SWPC, USA [http://www.swpc.noaa.gov/ftpmenu/plots/electron.html]




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<http://espanol.groups.yahoo.com/group/Tabla-Prop/>






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





























	
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Predicciones de las condiciones de propagación HF
Alonso Mostazo Plano EA3EPH







	
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	Recent Solar Indices - Monthly Mean Values - by NOAA SWPC, USA [http://www.swpc.noaa.gov/ftplib/weekly/RecentIndices.txt]
	
	
	

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PropRadio PASTCASTING (Archives)





	Archive of Solar Terrestrial Activity Reports - S [http://www.solen.info/solar/old_reports/]
	Daily Sunspot Archives - USA [http://www.spaceweather.com/java/archive.html]
	NOAA Space Weather Alerts Archives - USA [http://www.swpc.noaa.gov/alerts/archive.html]
	Historical SWP Products from 1996 - USA [http://www.swpc.noaa.gov/ftpmenu/warehouse.html]
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	CSSDP Retrieval of Previous Real-Time Auroral Oval - CAN - Canadian Space Science Data Portal [http://portal.cssdp.ca:8080/ssdp/static_content/ssdp/rt_oval/get_rtoval_picture.html]
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 	Stelle a Flare [pdf 2576KB][ppt 4507KB] - Attività Stellare di Marcello Rodonò by Giuseppe Neto - INAF Osservatorio Astronomico di Catania - I
	Facciamo un po' di chiarezza sugli Indici Solari... Quali Incidono di più sul Clima? [29KB] NIA - New Ice Age, Sole, Meteo e Cambiamenti Climatici - I
	Un Brillamento in Diretta [187KB] by Mario Gatti - I
	Il Nucleo Terrestre: il Cuore Magnetico della Terra [372KB] by Angelo De Santis - INGV Istituto Nazionale di Geofisica e Vulcanologia
	Dalla Scuola ai Quarks: il Fascino delle Particelle Elementari [1117KB] by Tommaso Dorigo/Lucio Furlanetto - CAST - Circolo Astrofili Talmassons - I
	Scopriamo il Sole [227KB] by NIA - New Ice Age, Sole, Meteo e Cambiamenti Climatici [http://daltonsinima.altervista.com] - I

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PropRadio Miscellaneous

	Day of Year - Perpetual Calendar [235KB] by NASA - GES DISC , USA [http://disc.sci.gsfc.nasa.gov]
	Sunrise and Sunset One Year Calendar by F5LEN [http://www.f5len.org/index.php]
	Sunrise and Sunset Time Around the World by Gaisma [http://www.gaisma.com]

PropRadio Notes

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We hope this may be a useful, if unusual, way to highlight an underrated, or even neglected side of hobby radio.

Our knowledge on it is often incomplete and rather difficult to gather info about. In the following paragraphs we deal with [1] a unique opportunity, some enthusiastic thrust [2] and even some puzzling ideas [3], but the dish will be finally served with unswerving hope [4].

[1] It's a unique opportunity to enjoy the present Sun activity which is at its lowest after 100 years. This is extremely important for frequencies under 10 MhZ, which has always been the most unpredictable of all frequency bands. Thus we have an opportunity to enlarge our knowledge.

[2] This will enable the [Piancada listeners' team](http://www.mcdxt.it) (near Udine) [http://www.mcdxt.it], to analyze over 80 listening sessions, carrying out close comparisons with sunspots, flares and other sun-related data.

[3] You get puzzled by the amount of data when you want to wade deep in Cosmology, Astronomy, Physics and so on: the bulk of data available on the net is astonishing and you may get the typical the-more-I-know-the-less-I-get-it feeling. We will have to try to sum up numberless and often mind-boggling experiences. We'll have to take

care of telling what is really useful from what isn't.

[4] In the Proceedings section we'll be only too glad to accept all the most varied reports and essays on the matter, even apparently odd and no-mainstream ones, along with figures and graphs. We feel everything can be of use in building a new knowledge wall. Finally, what's your (and our) ultimate aim? We won't be claiming to be all-understanding and knowledgeable. Enlarged basic knowledge and thorough observations will be enough. We think this may lead us to some firmer land in propagation forecasts and markings, to be used in our daily listening activity. Space weather and radio waves propagation are huge but intriguing subjects, largely yet to be unveiled and developed. We welcome your help and your assistance.



Hemos querido de esta manera tan poco usual, pero esperamos útil, fijar un aspecto a menudo pasado por alto o subestimado en la radio y la radioescucha, bien sabiendo que nuestro conocimiento es fragmentario, parcial e incompleto.

Se reúnen en PropRadio y en una sola vez... una oportunidad poco común [1], el entusiasmo definitivamente positivo [2], sino también la viva confusión [3], acompañada sin embargo de una firme esperanza [4].

[1] Estamos viviendo una muy peculiar si no única etapa, con el Sol en prolongado silencio (mínimo solar) y esto como no ha pasado en más de 100 años.

El hecho es decisivo para las frecuencias inferiores a 10 MHz, donde las reglas y expectativas son más efímeras y donde los fenómenos solo se conocen parcialmente.

[2] Desde hace algún tiempo con el deseo de analizar los resultados de más de 80 sesiones de radioescucha por la noche en [Piancada](http://www.mcdxt.it) (Udine) [http://www.mcdxt.it], vamos comparando los resultados obtenidos con diferentes parámetros solares disponibles hoy en día, para tratar de entender cuales son las variables más útiles para nosotros (las previsiones, las tendencias).

[3] Mejorando la comprensión de las diferentes disciplinas implicadas en radiopropagación (aeronomía, física, astronomía, astrofísica, cosmología), buscando información cada vez más importante y compleja, pero fácil de encontrar como acontece hoy día en la Red con siempre mayor eficacia posible ... uno se encuentra delante de un grande dilema.

La cantidad de datos disponibles hoy día trae demasiada distracción al usuario, no solamente en esta disciplina, lo mismo en muchas otras tareas diarias: se trata de un enorme esfuerzo de síntesis, donde la catalogación del material y el entendimiento de lo que se archiva necesita una fina intuición, al fin de discernir lo útil de lo superfluo.

[4] Por aquí incluyendo o señalando actas y trabajos de investigación, informes muy complicados y abstrusos para la mayoría de nosotros, y sin embargo, aquí y allá, en medio de incomprensibles fórmulas matemáticas y gráficos, palabras clave, resúmenes de una claridad asombrosa, los "ladrillos" que poco a poco forman las bases de nuestro mejor y mayor conocimiento.

Nuestra cita, nuestro reto, el objetivo final?

No pretender de entender todo, sería suficiente mejorar los conocimientos básicos y poner mayor esmero en las observaciones (incluyendo el archivo de datos diarios) para llegar a los modelos, fijar los indicadores de posible propagación, que deberían tener una importancia fundamental en nuestras actividades diarias, de usuarios meticulosos de la radio.

La radiopropagación y los temas de *space-weather* es realmente algo enorme, pero fascinante, atractivo, emocionante, como todas las cosas, al menos en parte, envueltas en el misterio y la incertidumbre (conocimiento limitado).

Para ello necesitamos vuestra cooperación y apoyo!



Abbiamo voluto in questa insolita ma speriamo utile maniera dare rilievo ad un aspetto della radio spesso trascurato oppure sottovalutato, ben sapendo che le nostre conoscenze sono frammentarie, parziali ed incomplete.

Raduniamo in una sola volta una **rara opportunità** [1], sicuramente **positivo entusiasmo** [2] ma anche del **vivo sconcerto** [3], accompagnati comunque ad una **robusta speranza** [4].

[1] Stiamo vivendo un periodo assai particolare per non dire unico, col Sole in calma prolungata (minimo solare) come mai accaduto in oltre 100 anni. Il fatto è determinante per le frequenze sotto i 10MHz, proprio laddove le regole e le previsioni sono più labili, i fenomeni soltanto in parte conosciuti.

[2] Da tempo con la volontà di analizzare i risultati di oltre 80 sedute notturne di radioascolto a [Piancada](http://www.mcdxt.it) (Udine) [http://www.mcdxt.it], confrontando i risultati ottenuti con i diversi parametri solari oggi disponibili, per cercar di capire quali possano essere le variabili maggiormente a noi utili (previsioni, andamenti).

[3] Approfondendo la conoscenza delle varie discipline coinvolte nella radiopropagazione (aeronomia, fisica, astronomia, astrofisica, cosmologia), ricercando dati sempre più vasti e complessi ma semplici da reperire, consultando la Rete con la maggior efficacia possibile... veniamo presi da un autentico smarrimento, un capogiro cognitivo spaventoso, laddove più si approfondisce e meno si coniuga e si assorbe, si assimila. La quantità di dati consultabili è oggi esageratamente dispersiva, per cui siamo sottoposti, in questa disciplina come in tante altre quotidiane, ad uno sforzo immane di sintesi, catalogazione e comprensione ad intuito, per poter discernere l'utile dal superfluo.

[4] Riportiamo ben volentieri, alla Sezione Proceedings, dei contributi scientifici, relazioni *altamente complicate ed astruse* al gran parte di noi: eppure qua e là, in mezzo a formule matematiche e grafici incomprensibili, delle frasi-chiave, dei riassunti di una chiarezza disarmante, quei mattoni che formeranno pian piano le fondamenta delle nostre migliori conoscenze.

Il nostro comune, nostro e vostro, obiettivo finale? Non pretendere di capire tutto, basterebbe migliorare conoscenze di base ed assiduità delle osservazioni (tra loro coordinate) per giungere a dei modelli, a trovare plausibili indicatori propagativi, che abbiano una significativa ricaduta nelle nostre quotidiane attività di attenti

utilizzatori della radio.

Gli argomenti *space-weather* e **radiopropagazione** sono davvero vastissimi ma intriganti, coinvolgenti, appassionanti, come tutte le cose ancora, almeno in parte, avvolte da mistero ed imponderabilità (conoscenze limitate).

Per tutto ciò abbiamo bisogno di collaborazione ed appoggio!

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Si ringrazia anticipatamente quanti vorranno collaborare con materiale, idee e suggerimenti.

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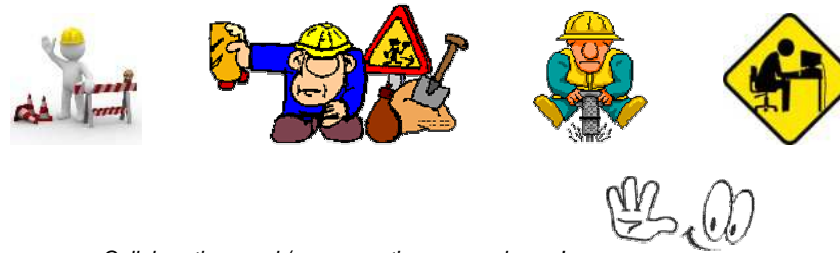
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“Analizzando ogni giorno tutte le idee, ho capito che spesso tutti sono convinti che una cosa sia impossibile, finché arriva uno sprovveduto che non lo sa e la realizza” Albert Einstein

“... Mi posi all'opera più fiducioso che mai convinto che nulla assolutamente nulla avviene per caso nell'Universo” Raffaele Bendandi



Collaborations and / or suggestions are welcome!

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