

Current Status of SuperDARN JAPAN database and website

SuperDARN JAPAN website

<http://polaris.nipr.ac.jp/~SD/sdjapan/>



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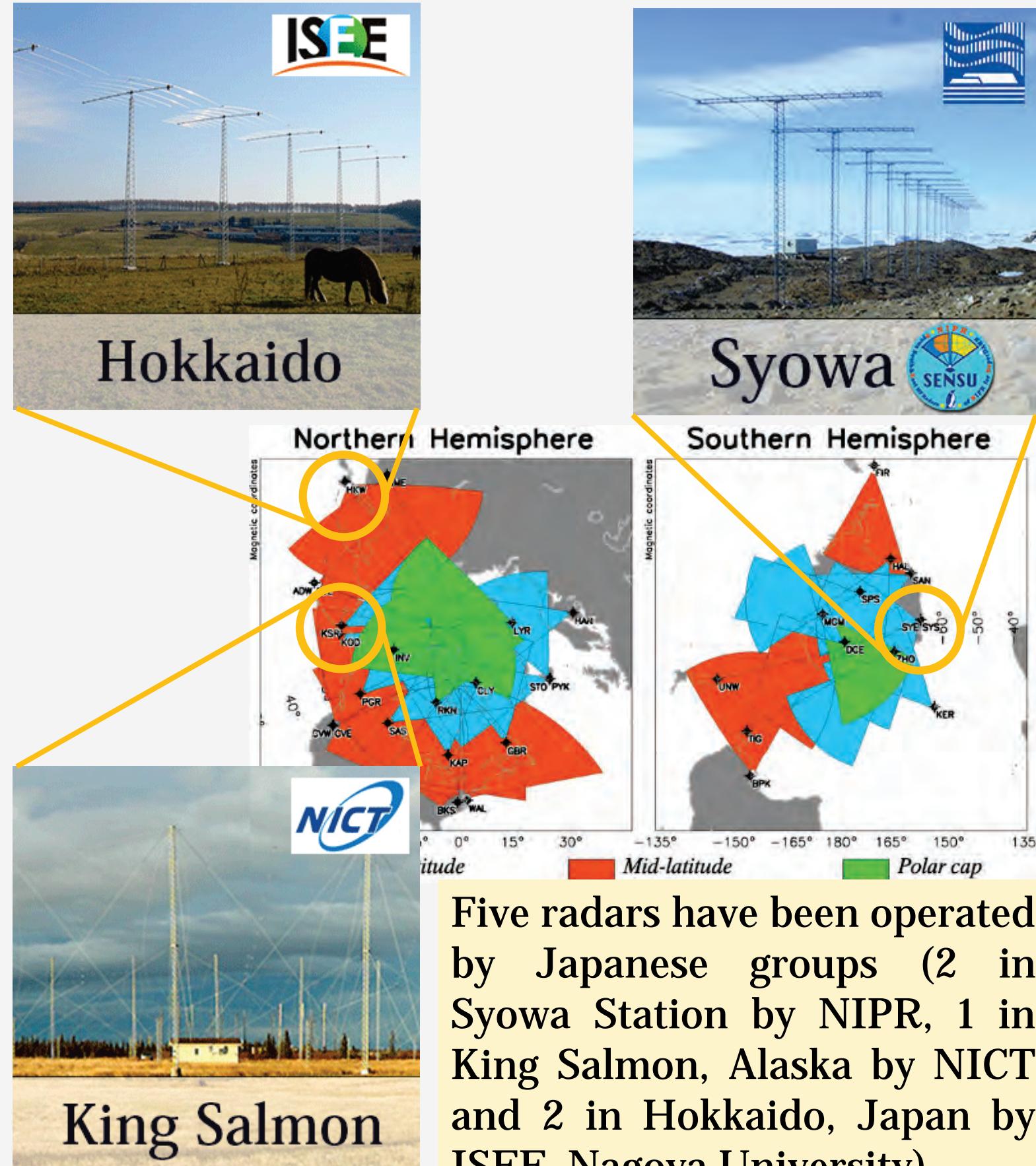
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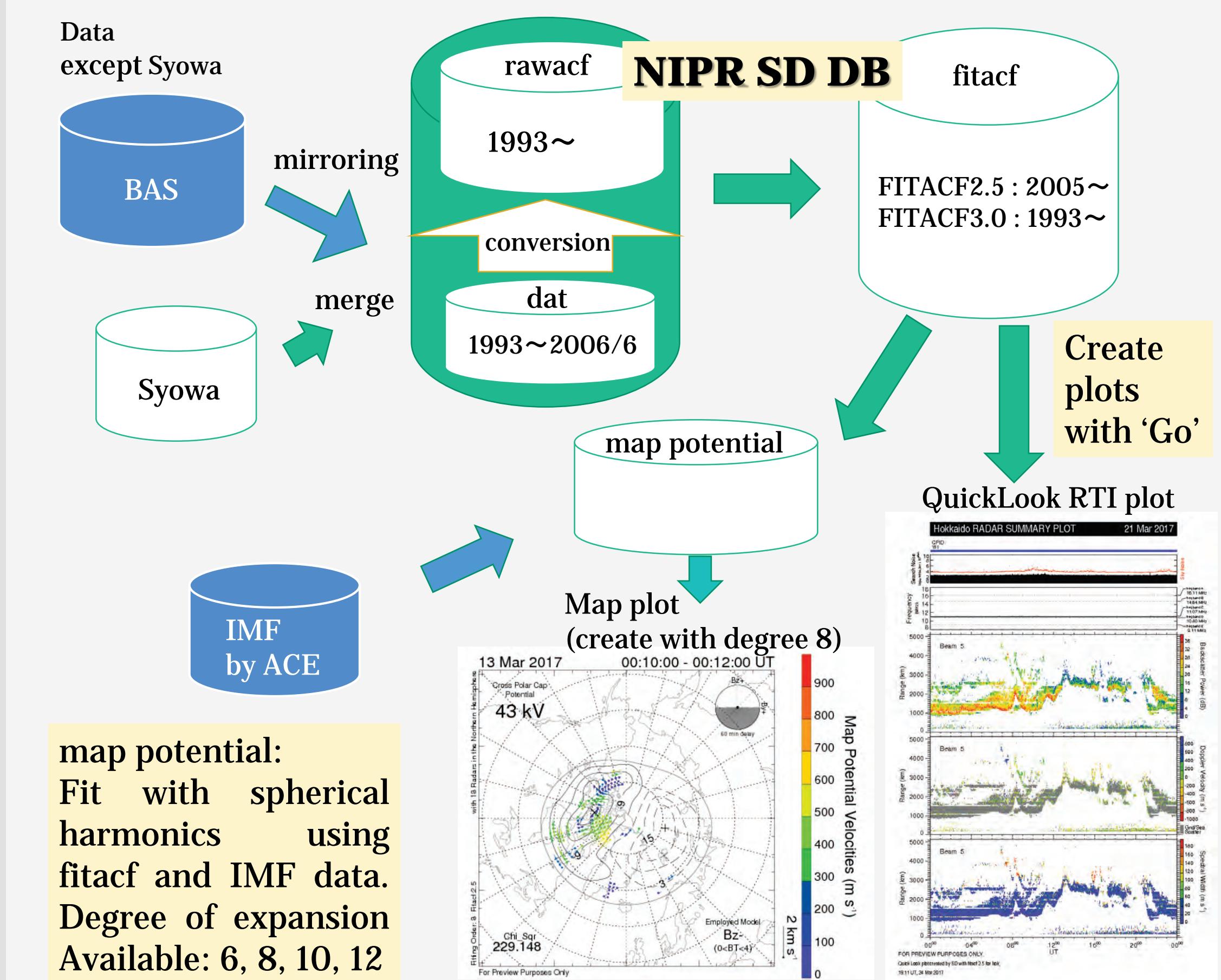


Radars operated by Japanese groups

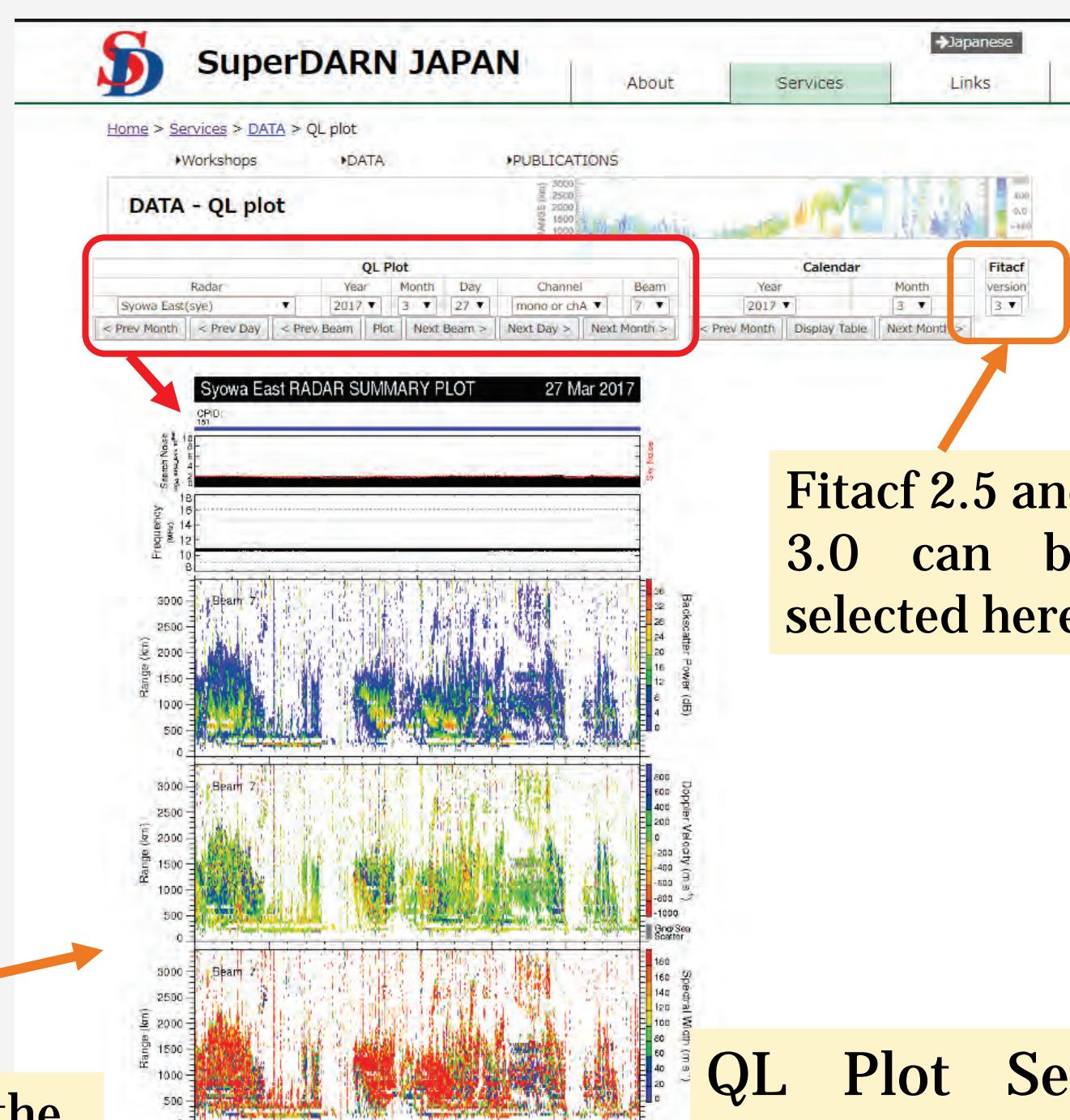
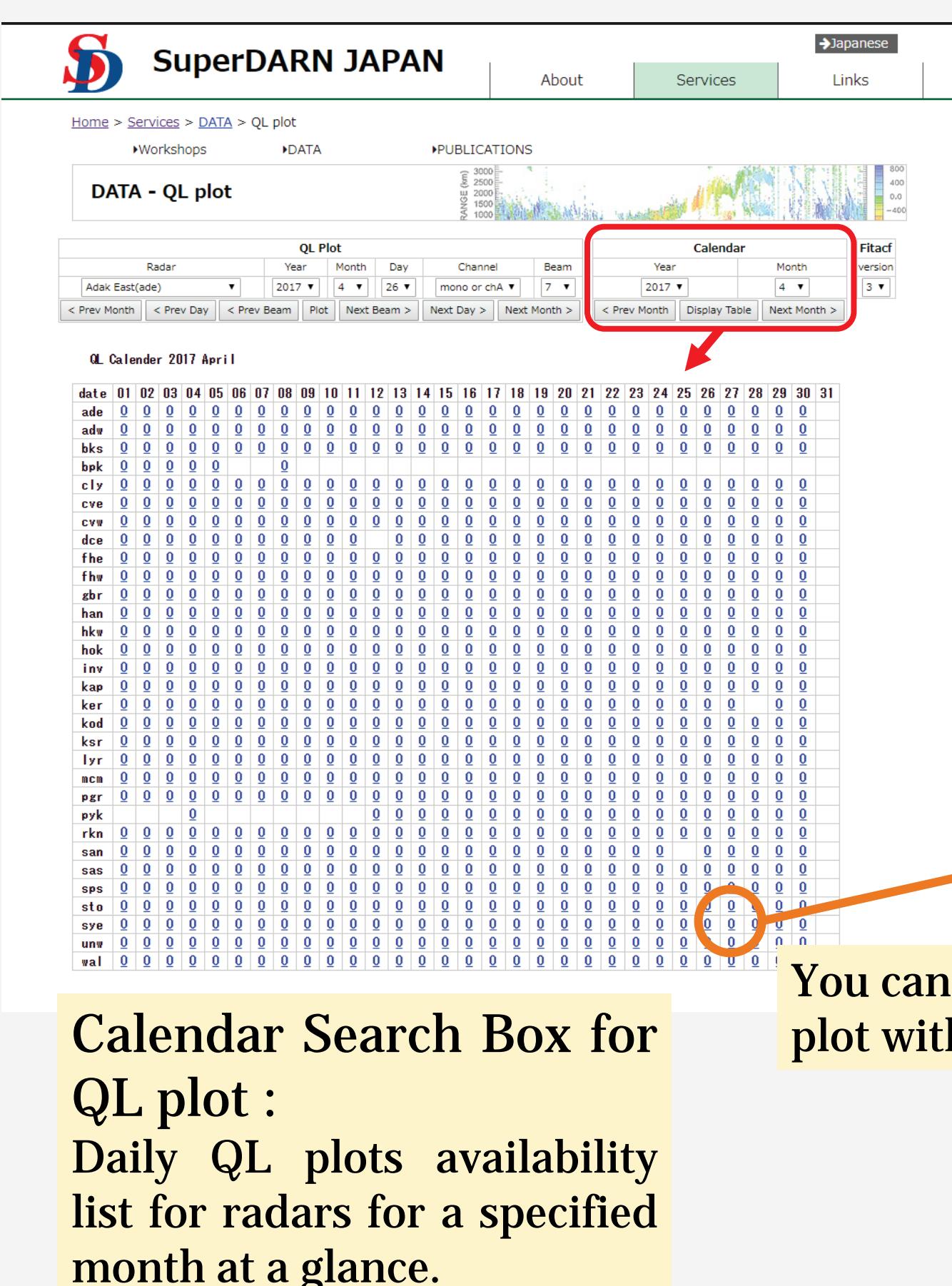


Five radars have been operated by Japanese groups (2 in Syowa Station by NIPR, 1 in King Salmon, Alaska by NICT and 2 in Hokkaido, Japan by ISEE, Nagoya University).

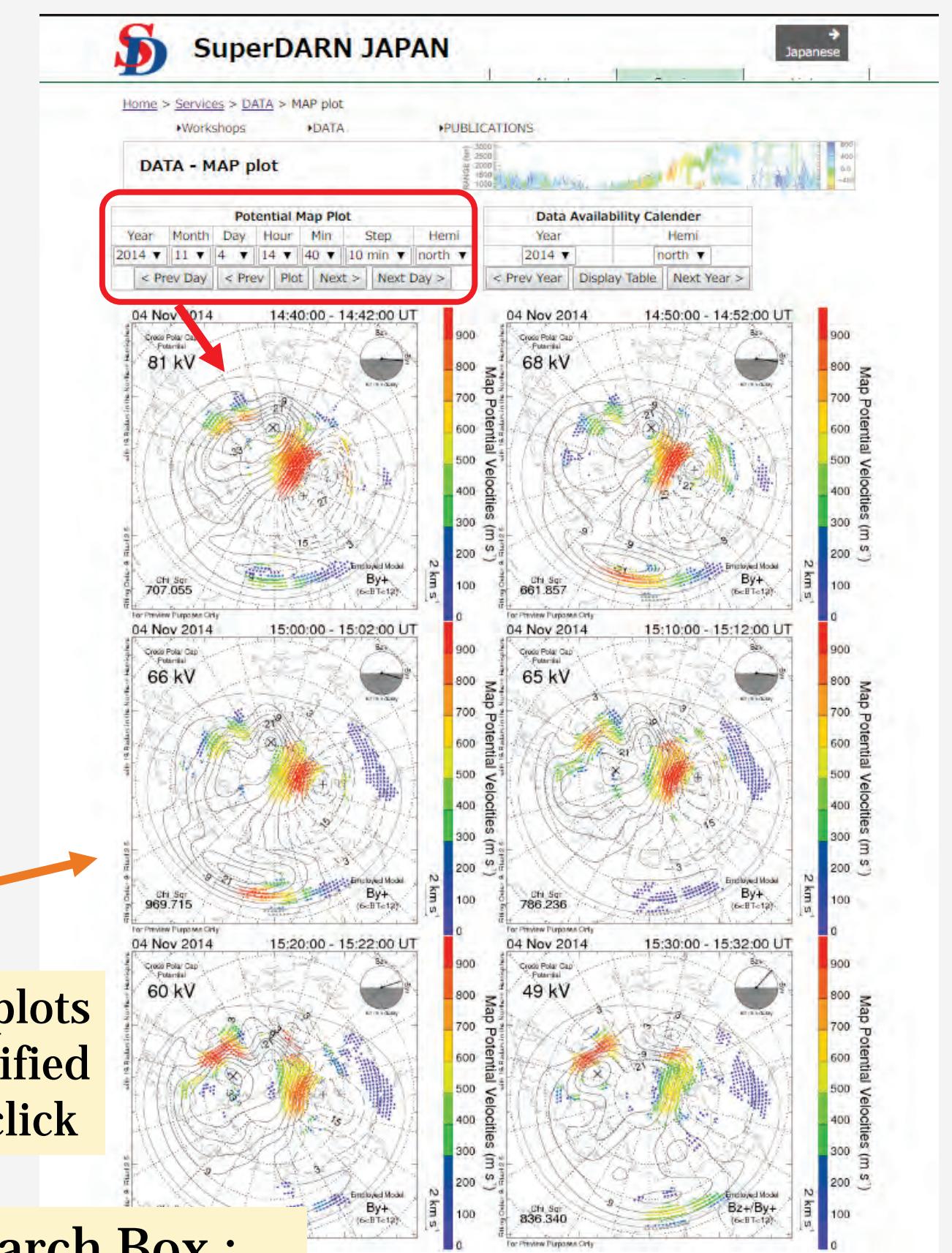
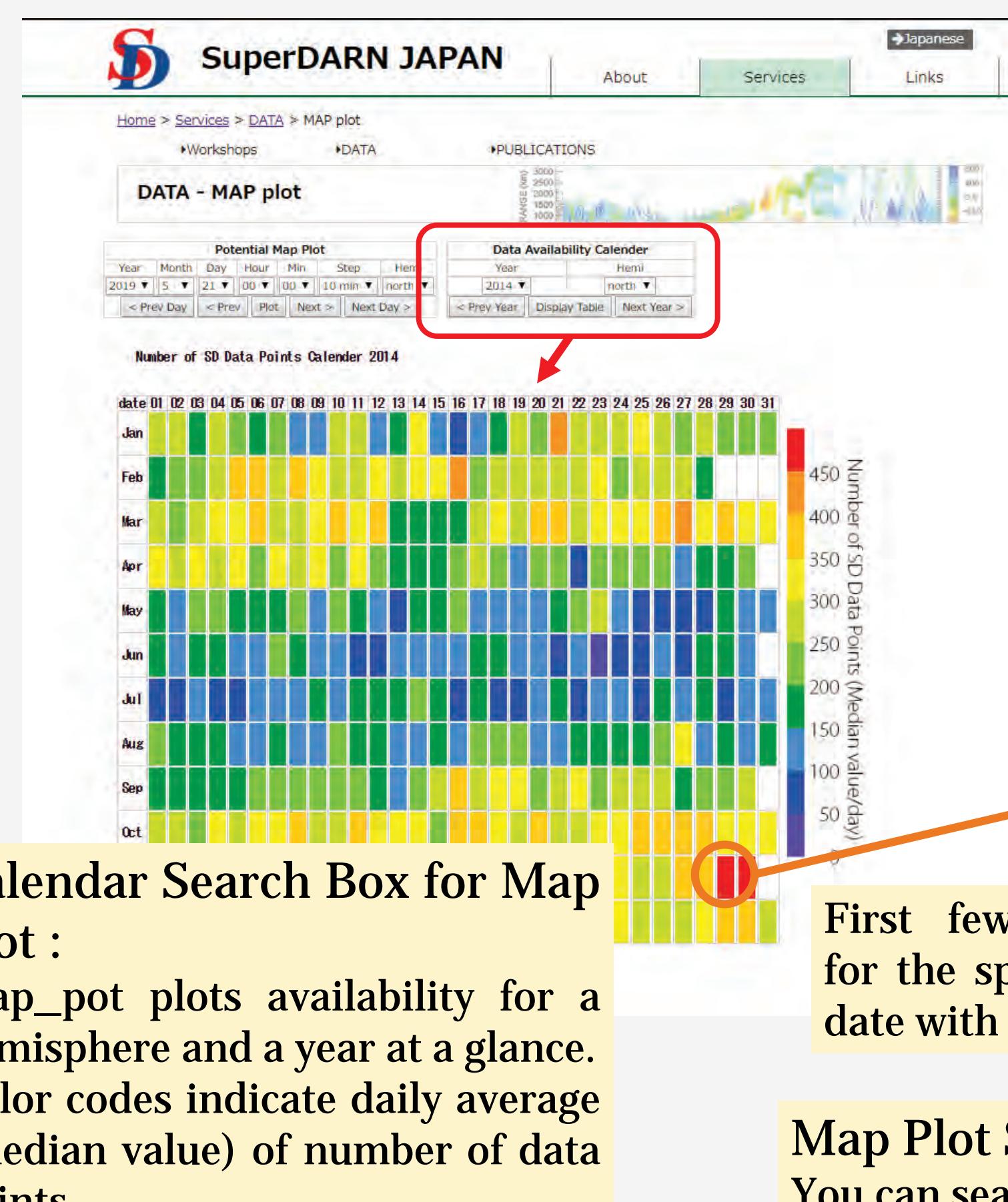
Database & Flow : from rawacf to plots



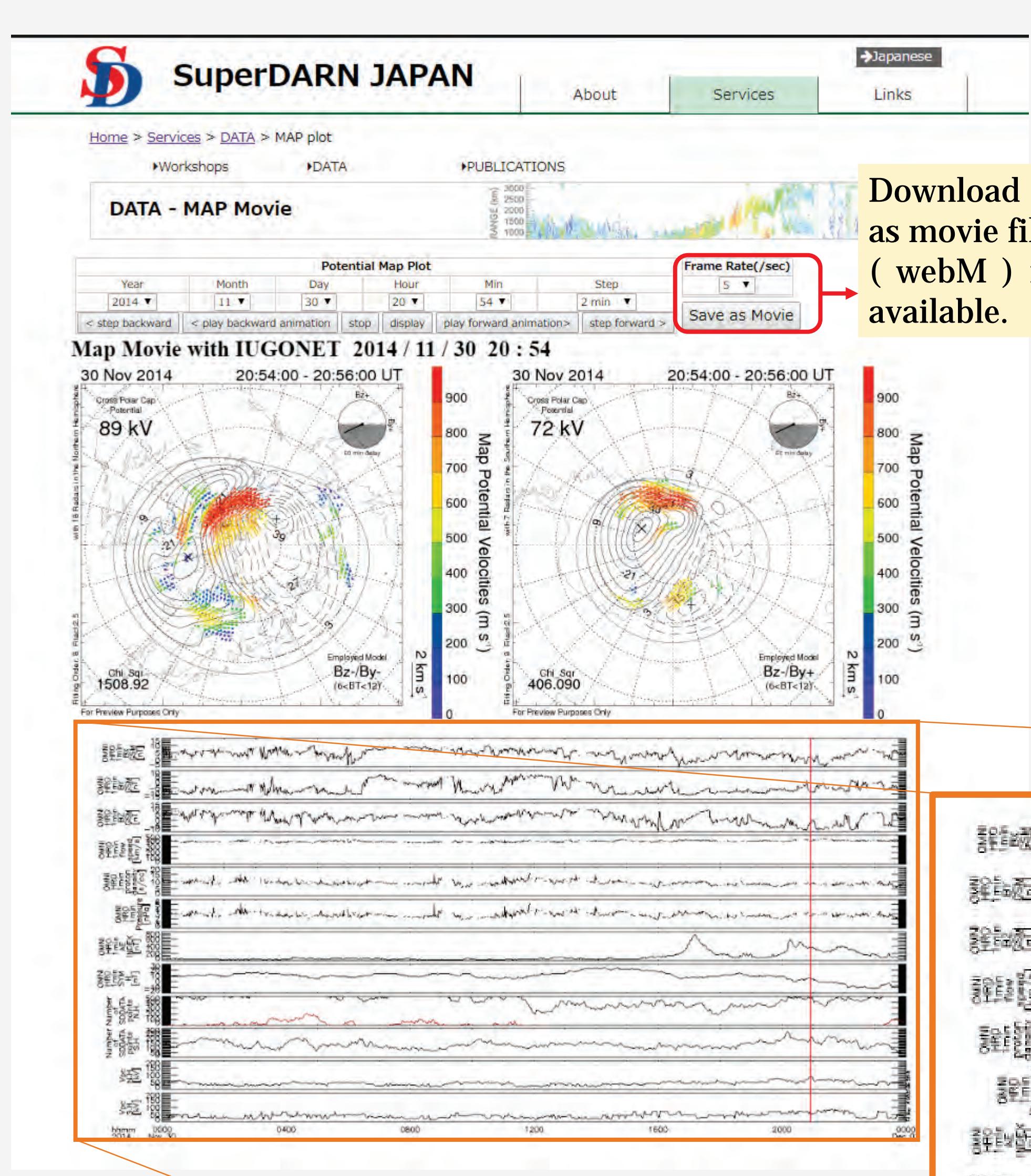
QuickLook RTI plot



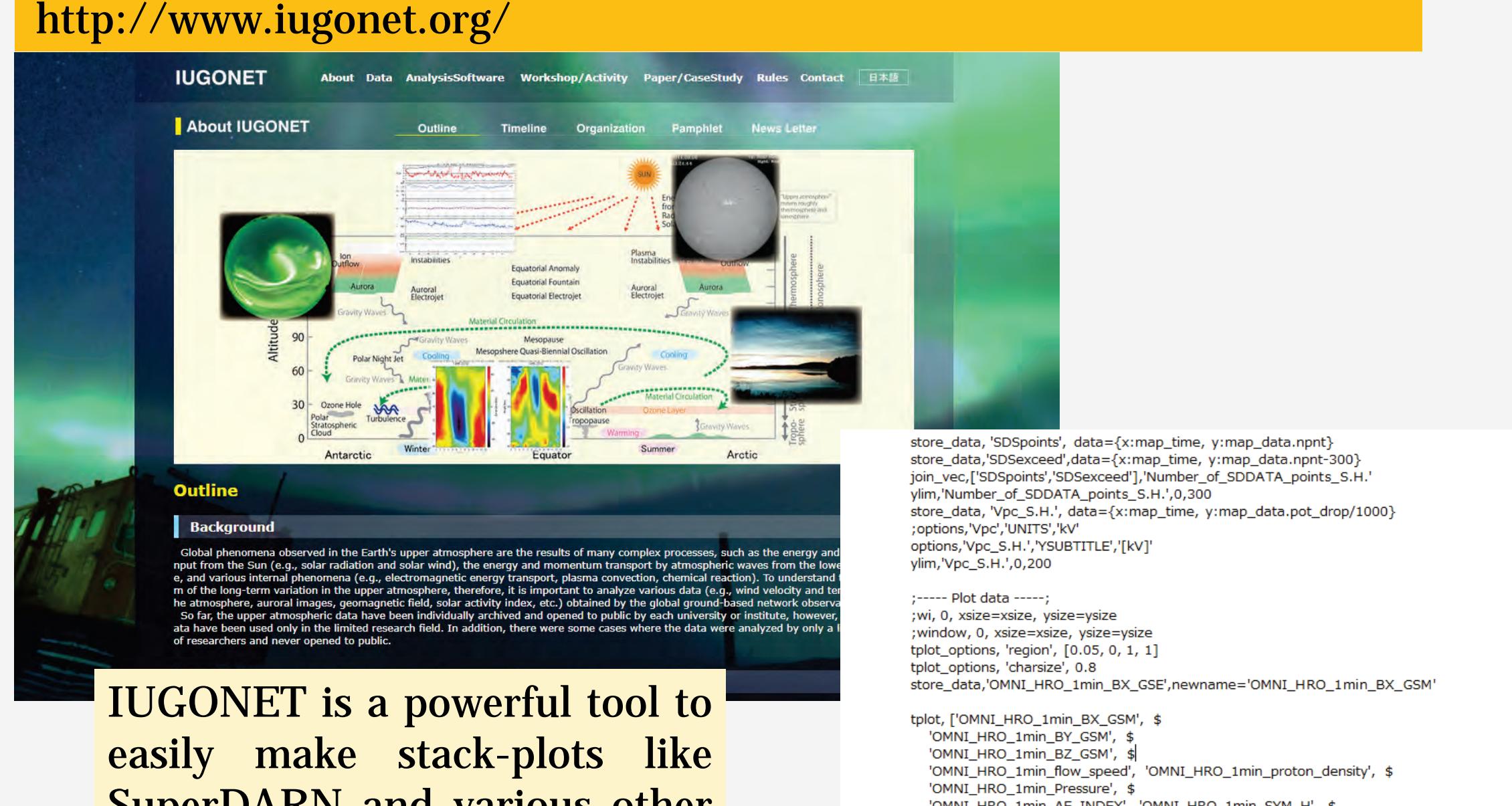
Map plot



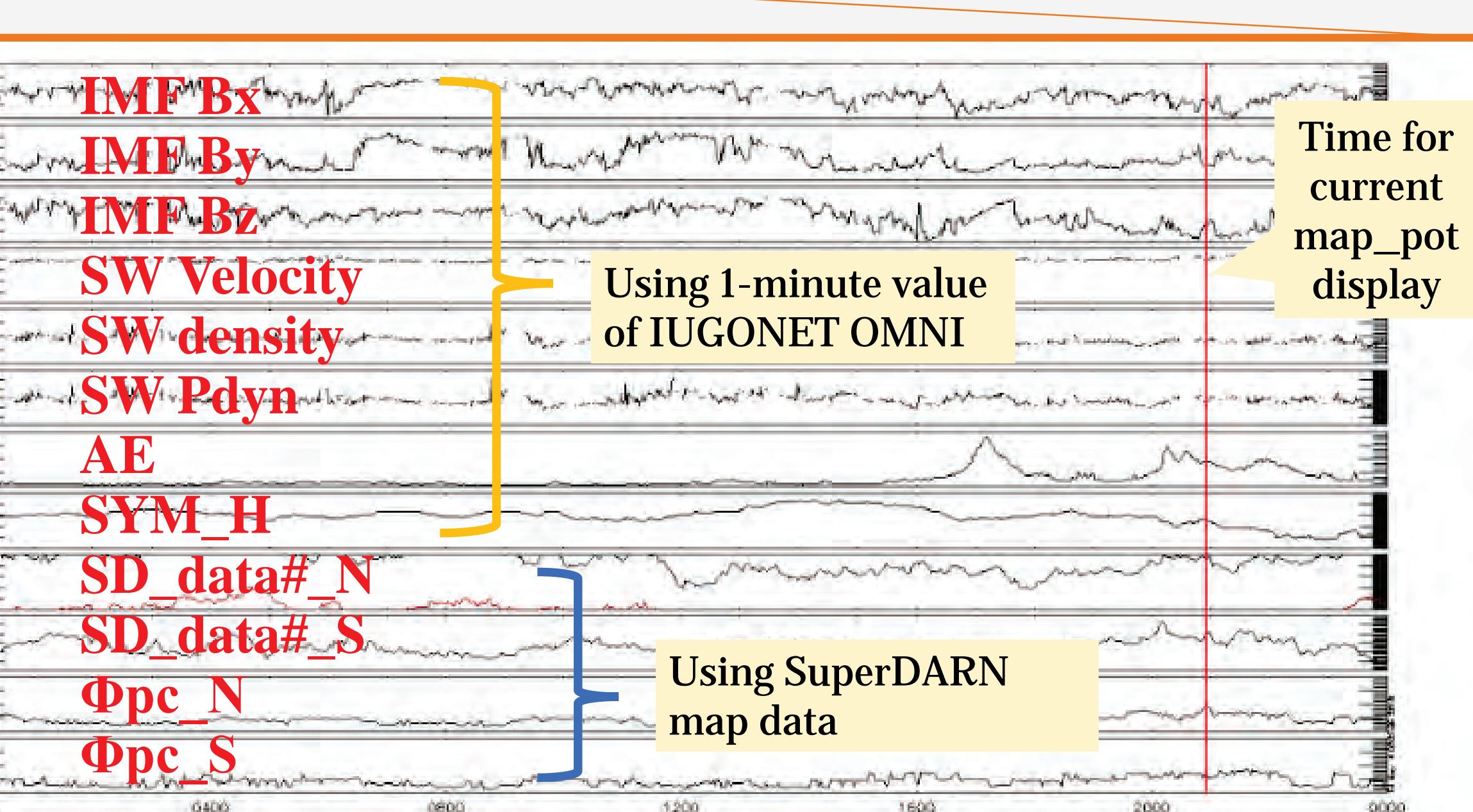
Map movie



IUGONET – addon for SPEDAS (Inter-university Upper atmosphere Global Observation NETwork) :



IUGONET is a powerful tool to easily make stack-plots like SuperDARN and various other satellite/ground based data



Animation for Map plot :
Animation for map plots are available.
Daily plots for IMF, Solar wind parameters, and geomagnetic indices will also be combined and displayed.

Current status and future direction and perspectives

SuperDARN Japan team (NIPR, NICT, ISEE at Nagoya Univ., UEC, and ICSWSE at Kyushu Univ.) opened SuperDARN JAPAN website at NIPR in August, 2016 in order to introduce the activities of SuperDARN research in Japan, to maintain SuperDARN database, to provide useful information and data product including quick look and map potential plots ("Space Weather map") with search and display functionality, and to promote collaborative research activities.

For future, more useful information and product will be planned to be displayed, e.g., quasi real-time 2-D fit parameters from Japanese SD radars, additional functionality to plots various fitted parameters other than 3 main fit parameters, plots for high precision neutral wind measurements possibly with vertical profile, comprehensive plots combined with other ground based observations, e.g., Syowa magnetometer, riometer, other radars and optical instruments etc with collaboration with IUGONET project, and/or even possibly with simulation groups. Your nice ideas / suggestions to improve our site and to promote collaborative research more are always very welcome! Thank you.