

RPC V5.2 Menu

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FONCTIONAL LIST OF ROPROC COMMANDS

● Software Informations

RPC_menu	: display the fonctionnal list of RPC commands in html.
RPC_doc	: display the documentation in HTML
RPC_list	: return list of all RPC commands; create RPC_list.txt
RPC_version	: return current RPC version used, ex: RPC_V5p2
RPC_compare_versions	: compare two different versions of RPC package
RPC_compare_versions_long	: same as previous but more deeper
RPC_make_minidoc	: create file mini_doc.txt

● RFF file handling

RPC_check_rff	: check content of a RFF file
RPC_check_rff_dir	: check of all RFF files of a given directory
RPC_info_rff	: return main info of given RFF file
RPC_info_rff_dir	: return main info of all RFF files of a given directory
RPC_clean_rff	: clean content of a RFF file
RPC_copy_rff	: copy a RRF file into another, name updated
RPC_diff_rff	: compute difference between 2 RFF files
RPC_rename_rff	: rename a RFF file with update of file name inside
RPC_give_rff_param	: give header a RFF file
RPC_put_rff_database	: move given file in the right data base
RPC_copy_rff_database	: copy given file in the right data base
RPC_list_rff_database	: according mission / manip
RPC_join_vectime	: join 2 rff vectime files of same experiment in a single file

● RFF file processing

RPC_add_DxDy_to_BxBy	: add Dx and Dy to Bx and By
RPC_alitime_4_vectime	: time alignment of 4 rff vectime files
RPC_compute_curl_div_4sat	: compute curl & div from MAG & POS data
RPC_change_coordinate_system	: on VecTime files only
RPC_compute_sat_orbit_param	: compute orbital parameters of a Earth satellite
RPC_compute_sat_trajectory	: compute elliptical trajectory of a Earth satellite
RPC_create_simulated_data	: create ULF, MAG or POS simulated vectime files
RPC_current_tube	: create a simulated file compute_curl_div_4sat.resu
RPC_reduce_time_rff	: reduce the time period of a RFF file
RPC_reduce_time_vectime	: reduce the time period of a VT RFF file (more fast)
RPC_spectro_to_polar	: produce a polar file from a Spectrogram file
RPC_spectro_xyz_to_lrz	: convert a Spectrogram in XYZ into a Left-Right-Z one
RPC_vectime_gse_to_isr2	: change coordinate system from GSE to ISR2
RPC_vectime_to_mfa	: change coordinate system to MFA
RPC_vectime_to_mva	: change coordinate system to MVA
RPC_vectime_to_spectro	: produce a Spectrogram file from a VecTime file
RPC_vectime_to_indexed_data	: create indexed data file from a rff VT file
RPC_waveform_to_vectime	: convert a RFF ofWaveform class to one of Vectime class
RPC_test_kepler_lib	: test components of the lib_Kepler
RPC_list_block_WF	: return the list of all blocks in a WF file

● Visualization tools

RPC_visu_vectime : visualization of a VecTime RFF file (2D)
RPC_visu_vectime_3D : visualization of a VecTime RFF file (3D, for orbit data)
RPC_visu_2_vectime : visualization of 2 Vectime RFF files
RPC_visu_2_vectime_3D : 3-D visualization of 2 Vectime RFF files
RPC_visu_vectime_4sat : visualization of 4 VT files for 4 S/C
RPC_visu_vectime_3D_4sat : 3D visualization of 4 VT files for 4 S/C
RPC_visu_spectro : visualization of a Spectrogram RFF file
RPC_visu_spectro_4Bz : visualization of 4 spectrogrammes Bz of 4 S/S
RPC_visu_ave_spectrum : visualization of an average spectrum from Spectrogram file
RPC_visu_polar : visualization of a copolar.resu file

● Date conversion

RPC_current_date : return 2012-08-28 14:08:16 day 241 Julsec 1346155696
RPC_next_day : return date of next day, as '20070925'
RPC_previous_day : return date one day before, as '20070925'
RPC_nday_of_month : return number of day in a month
RPC_list_days_of_month : return a list of day for a given year/month as 01 02 03 30
RPC_date_time_to_datiso : return ISO_date from yymmdd hhmmssc
RPC_datiso_to_date_time : return yymmdd hhmmss from ISO_date
RPC_decode_datim : for 20010923_091703 return 2001 09 23 09 17 03
RPC_decode_datiso : for 2001-09-23T09:17:03.000Z return 2001 09 23 09 17 03
RPC_encode_datiso : return ISO_date from year month day hour min sec

● PostScript conversion

RPC_ps_to_pdf : create PDF file with or without image compression
RPC_ps_to_png : create PNG file for a given resolution and color number
RPC_ps_to_png_256 : create PNG file for given dpi and 256 colors
RPC_ps_to_png_16m : create PNG file for given dpi and 16M colors

● System and Directories

RPC_clean_dir : remove *.in, *.out, *.old, *.resu from current dir.
RPC_chmod_tree : set mode to all files in the tree, from current directory
RPC_convert_names : convert recursively files name having blank or special character
RPC_check_dirname_tree : check dir name in the tree having blank in the name
RPC_dir_pretty_tree : give directories for all the tree
RPC_dir_save : save recursively a directory in another one
RPC_dir_size : give directory size (octets or Mo)
RPC_dir_size_tree : give directory size (octets or Mo) for all the tree
RPC_dir_size_pretty_tree : same with pretty presentation
RPC_dir_properties : give directory size (octets or Mo), files # /directories #
RPC_dir_properties_tree : give directory properties for all the tree
RPC_dir_properties_pretty_tree : same with pretty presentation
RPC_dir_diff : compare recursively two directories
RPC_search_duplicates : search and list duplicate files in a tree
RPC_system_info : return system information (host, system, OS etc.)
RPC_dos_to_unix_all_files : convert all files in tree from DOS to UNIX format
RPC_unix_to_dos_all_files : convert all files in tree from UNIX to DOS format

● Files conversion

RPC_flat_to_rff : conversion of a flat file to a rff file

see also: RPC_menu_CLUSTER RPC_menu_GEOS RPC_menu_GEOGRD