JOB SHEET JS2-3-22
MATCH PARAMETERS

PLEASE TURN PAGE TO BEGIN JOB SHEET

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MATCH PARAMETERS

INTRODUCTION

It is useful to compare one product with another when their parameters (time, elevations angle, etc.) are the same. Do it by using the MATCH PARAMETERS function.

We will display a Base Reflectivity Product, transfer it to the other screen, and then, using MATCH PARAMETERS, display a Base Velocity product from the same volume scan, with the same resolution and elevation angle.

MATCH PARAMETERS works only when a product is on the screen chosen, since you need parameters to match! Selecting TRANSFER SCREEN is necessary only when you want to keep the original product displayed for comparison.

OBJECTIVE

Using the Graphic Tablet, request and display a product that matches the parameters of a product displayed on the opposite screen.

REFERENCES

NWS EHB 6-531-1, USERS GUIDE: PUP/RPGOP, Sections 4.1.2.3, 4.5

PROCEDURE

Graphic Tablet

1. Display the most recent Base Reflectivity product with 16 data levels, 0.54 nm resolution, 0.5^{o} elevation (right button).

2. Select TRANSFER SCREEN PRODUCT (left button).

   - The same Base Reflectivity product appears on both screens.

   - This allows us to compare the Base Reflectivity product with the product selected with the matched parameters function.

GRAPHIC TABLET

KEYBOARD | SYMBOLS | USER FUNCTIONS

EDIT COMMANDS

EDIT ANNOT	EDIT ALERT AREA	DELETE ALERT BOX		ADD ALERT BOX		DEL RCTL	ADD RCTL		EDIT RCM PART A		EDIT RCM PART C		57 25	58 26	59 27	60 28	61 29	62 30	63 31	64 32	26	27	28	29	30
EDIT MAP	HIGH DETAIL	! 1	@ 2	# 3	$ 4	% 5	^ 6	& 7	* 8	(9	) 0	+ =	BACK SPACE		51 19	52 20	53 21	54 22	55 23	56 24	21	22	23	24	25
START ERASE	END ERASE	Q	W	E	R	T	Y	U	I	O	P	_ -	RET		45 13	46 14	47 15	48 16	49 17	50 18	16	17	18	19	20
START LINE	END LINE	A	S	D	F	G	H	J	K	L	: ;	" '	UPPER SHIFT		39 7	40 8	41 9	42 10	43 11	44 12	11	12	13	14	15
CANCEL EDIT	EXIT EDIT & SAVE	Z	X	C	V	B	N	M	< ,	> .	? /	SPACE	LOWER SHIFT		33 1	34 2	35 3	36 4	37 5	38 6	6	7	8	9	10

PARAMETERS

AZRAN SELECT																					UF1	2	3	4	5
CROSS SECTION SELECT																					CANCEL UF	SPEED DOWN	SPEED UP	FRAME BACK	FRAME FORWARD
RPG																					TIME LAPSE RES/HLT	TIME LAPSE 1	TIME LAPSE 2	TIME LAPSE 3	CONTINUOUS LOOP
TIME																					AUTO RES/HLT	QUAD 1	QUAD 2	RECENTER MAG 1X	RECENTER MAG 2X
DATE																					FULL SCREEN	QUAD 3	QUAD 4	RECENTER MAG 4X	RECENTER MAG 8X
REPEAT COUNT																					CLEAR SCREEN/ QUAD	FILTER	COMBINE DOWN	COMBINE UP	CURSOR HOME DEFINE
END HOUR																					BLINK COLOR LEVEL	RESTORE DISPLAYED PRODUCT	GRAY/COLOR SCALE	CURSOR AUTO/ MANUAL	CURSOR LINK/UNLINK
SLICE/ DURATION																					ALL QUADRANTS	HARD COPY	PRESET CENTER	CURSOR HOME	AZRAN R/ LAT LON/ AZRAN H
CENTER AZIMUTH																					ACK ALERT	CELL TRENDS	VR/SHEAR DISPLAY	CURRENT CROSS SECTION CR	ANNOT'S AN
CENTER RANGE																					HAIL HI	MESO M	TVS TV	STORM TRACK ST	ATTRIBUTE AT
STORM DIRECTION																					ALERT AREA 1 A1	ALERT AREA 2 A2	SWP SW		COMBINED SHEAR CONTOUR SC
STORM SPEED																					OVERLAYS OFF/ON	OVERLAYS ERASE	MAP OVERLAY DELETE	STOP BLINK	PAGE ATTRIBUTE
CONTOUR INTERVAL																									
ALL/ONE SWA																									
MATCH PARA-METERS																									
DEFAULT PARA-METERS																									
ELEVATION UP	LOW PRIORITY	DISPLAY PRODUCT	BASE REF R	COMP REF CR	COMP REF CONTOUR CRC	ECHO TOPS COUNTOUR ETC	REF CROSS SECTION RCS	ACK PRODUCT	DISPLAY QUEUED PRODUCT	PRODUCT OFF/ON	MAPS OFF/ON	MAPS ERASE	MAPS FOREGD/ BACKGD	CANCEL HELP
ELEVATION DOWN	REQUEST MAPS		BASE VEL V	STM REL VEL REGION SRR	STM REL VEL MAP SRM	ECHO TOPS ET	VEL CROSS SECTION VCS	PRODUCT BACK	PRODUCT FORWARD	TRANSFER SCREEN PRODUCT	STATE LAT/LON ST	COUNTY CO	HIGHWAY HY	RADAR SITES RS
LOWEST ELEVATION	BLANK TIME DATE	SEND RPG REQ	BASE SPECTRUM WIDTH SW	COMBINED SHEAR CS	COMBINED SHEAR CONTOUR CSC	COMBINED MOMENT CM	SPECTRUM WIDTH CROSS SECTION SCS	NEXRAD UNIT STATUS	CLEAR QUEUE	REDISPLAY LAST PRODUCT	RIVER RV	RIVER BASIN RB	RDA	RANGE RING
DED ASSOC RPG	.13 NM	8 LEVEL	ONE HOUR PRECIP OHP	THREE HOUR PRECIP THP	STORM TOTAL PRECIP STP	USER SELECTABLE PRECIP USP	STORM TRACK STI	TORNADO VORTEX SIGNATURE TVS	RADAR CODED MESSAGE RCM	ALL SWA PRODUCTS	WARNING AREA WA	MIL OPN AREA MO	POLAR GRID	LFM GRID LF
DIAL-UP ASSOC RPG	.27 NM	16 LEVEL	MESO M	SEVERE WEATHER PROBABILITY SWP	WEAK ECHO REGION WER	VERTICALLY INTEGRATED LIQUID VIL	VELOCITY AZIMUTH DISPLAY VAD	HAIL HI	SWA REF SWR	SWA VEL/SRR SWV/SWR	RSTRCTD AREA RA	PRHBTD AREA PA	AIRWAY HIGH AH	CITY CI
RPG 1	.54 NM	HIGH ALT	LAYER COMP REF MAX LRM	LAYER COMP TURB MAX LTM	LAYER COMP REF AVG LRA	LAYER COMP TURB AVG LTA	VAD WIND PROFILE VWP		SWA SPECTRUM WIDTH SWW	SWA SHEAR SWS	NAVAID NA	AIRPORT AP	AIRWAY LOW AL	COUNTY NAMES CN
RPG 2	1.1 NM	MID ALT												
RPG 3	2.2 NM	LOW ALT												

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DISPLAY FUNCTIONS

PRODUCT OVERLAYS

PARAMETERS | PRODUCTS | BACKGROUND MAPS

3. Select MATCH PARAMETERS (left button).

- The Base Reflectivity Pick-A-Product menu replaces the product. Notice the product's parameters remain in white, in the Status/Annotations area.

4. Select the BASE VEL box (left button).

- The Base Velocity product, with matching parameters, displays on the left screen. If the product is not in the PUP's data base, SEND RPG REQ appears on the feedback line in yellow at the lower right. Select SEND RPG REQ (left button), clear the left screen, and the product automatically displays.

- This viewing arrangement allows you to conveniently compare products.

- If you only want to display another product with parameters matching those of the original, you do not need to select TRANSFER SCREEN PRODUCT.

5. Select MATCH PARAMETERS (right screen)

- The Base Reflectivity Pick-A-Product Menu displays with matched parameters, in white in the upper right.

6. Select VAD Wind Profile (right screen)

- If it is in the data base, the VWP product appears. If not, SEND RPG REQ and then clear the right screen. Notice that the only parameter matched is time as it is the only parameter of the VWP product that applies here.

- Note that the VAD Wind Profile product, like Composite Reflectivity, is a volume product and is sent to the PUP at the end of the volume scan. Therefore if a 0.5^0 Base Reflectivity is use as the product being matched, the volume product is from the previous volume scan.

END

GRAPHIC TABLET

KEYBOARD | SYMBOLS | USER FUNCTIONS

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RPG																				TIME LAPSE RES/HLT	TIME LAPSE 1	TIME LAPSE 2	TIME LAPSE 3	CONTINUOUS LOOP	
TIME																				AUTO RES/HLT	QUAD 1	QUAD 2	RECENTER MAG 1X	RECENTER MAG 2X	
DATE																				FULL SCREEN	QUAD 3	QUAD 4	RECENTER MAG 4X	RECENTER MAG 8X	
REPEAT COUNT																				CLEAR SCREEN/ QUAD	FILTER	COMBINE DOWN	COMBINE UP	CURSOR HOME DEFINE	
END HOUR																				BLINK COLOR LEVEL	RESTORE DISPLAYED PRODUCT	GRAY/COLOR SCALE	CURSOR AUTO/ MANUAL	CURSOR LINK/UNLINK	
SLICE/ DURATION																				ALL QUADRANTS	HARD COPY	PRESET CENTER	CURSOR HOME	AZRAN R/ LAT LON/ AZRAN H	
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CENTER RANGE																				HAIL HI	MESO M	TVS TV	STORM TRACK ST	ATTRIBUTE AT	
STORM DIRECTION																				ALERT AREA 1 A1	ALERT AREA 2 A2	SWP SW		COMBINED SHEAR CONTOUR SC	
STORM SPEED																				OVERLAYS OFF/ON	OVERLAYS ERASE	MAP OVERLAY DELETE	STOP BLINK	PAGE ATTRIBUTE	
CONTOUR INTERVAL																									
ALL/ONE SWA																									
MATCH PARA-METERS																									
DEFAULT PARA-METERS																									

3,5

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ELEVATION UP	LOW PRIORITY	DISPLAY PRODUCT	BASE REF R	COMP REF CR	COMP REF CONTOUR CRC	ECHO TOPS COUNTOUR ETC	REF CROSS SECTION RCS	ACK PRODUCT	DISPLAY QUEUED PRODUCT	PRODUCT OFF/ON	MAPS OFF/ON	MAPS ERASE	MAPS FOREGD/ BACKGD	CANCEL HELP
ELEVATION DOWN	REQUEST MAPS		BASE VEL V	STM REL VEL REGION SRR	STM REL VEL MAP SRM	ECHO TOPS ET	VEL CROSS SECTION VCS	PRODUCT BACK	PRODUCT FORWARD	TRANSFER SCREEN PRODUCT	STATE LAT/LON ST	COUNTY CO	HIGHWAY HY	RADAR SITES RS
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DIAL-UP ASSOC RPG	.27 NM	16 LEVEL	MESO M	SEVERE WEATHER PROBABILITY SWP	WEAK ECHO REGION WER	VERTICALLY INTEGRATED LIQUID VIL	VELOCITY AZIMUTH DISPLAY VAD	HAIL HI	SWA REF SWR	SWA VEL/SRR SWV/SWR	RSTRCTD AREA RA	PRHBTD AREA PA	AIRWAY HIGH AH	CITY CI
RPG 1	.54 NM	HIGH ALT	LAYER COMP REF MAX LRM	LAYER COMP TURB MAX LTM	LAYER COMP REF AVG LRA	LAYER COMP TURB AVG LTA	VAD WIND PROFILE VWP		SWA SPECTRUM WIDTH SWW	SWA SHEAR SWS	NAVAID NA	AIRPORT AP	AIRWAY LOW AL	COUNTY NAMES CN
RPG 2	1.1 NM	MID ALT												
RPG 3	2.2 NM	LOW ALT												

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PARAMETERS | PRODUCTS | BACKGROUND MAPS