JOB SHEET JS2-3-26
STORM RELATIVE MEAN RADIAL VELOCITY REGION (SRR)
(Individual storm motion subtracted by PUP forecaster)

INTRODUCTION

The velocity display on the 124 nm range SRM product may be misleading if the movement of the storm of interest differs from the average movement of all storms in the area. It is best to use the movement of that single storm and generate a Storm Relative Velocity Region (SRR) product.

The SRR is a 27x27 nm area "window" product. The PUP operator selects a storm where the "window" area is to be placed. Storm motion may be entered by the PUP operator or by the Storm Cell and Identification Tracking (SCIT) Algorithm.

OBJECTIVE

Using the Graphic Tablet, you will be able to request and display the Storm Relative Velocity Region product after subtracting the storm motion.

REFERENCES

NWS EHB6-531-1, USERS GUIDE: PUP/RPGOP, Section 4.1.2

PROCEDURE

Graphic Tablet

1. Define the "window" region for SRR product generation with the puck:

   a. Select BASE REF(right screen).

   b. Place cursor over a storm of interest and "mark" it with the right button, or select the storm from the appropriate row or column in an attribute table.

   c. Select AZRAN SELECT (right button).

- See at bottom of the Status/Annotations area: AZRAN SELECTED followed by the position of the "marked" point from the RDA.

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	
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																								

1c

1b

1a

DISPLAY FUNCTIONS

PRODUCT OVERLAYS

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	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	LRM AP REMOVED APR	LAYER COMP REF AVG LRA		VAD WIND PROFILE VWP	HYBRID SCAN REF HSR	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												

PARAMETERS | PRODUCTS | BACKGROUND MAPS

- AZRAN SELECT saves the marked geographic point as the center for any 27x27 nm "window" product generated.

2. Select STM REL VEL REGION and then select DEFAULT PARAMETERS.

- DEFAULT PARAMETERS loads the point stored with AZRAN SELECT. See the point position displayed in the Status/Annotations area of the Pick-A-Product menu for the SRR product.

3. Select LOWEST ELEVATION.

- 0.5 DEG appears beside "ELEVATION" in the Status/Annotations area.

4. Select STORM DIRECTION.

5. Enter 205 degrees and press “RETurn” via the Graphic Tablet Keyboard Area.

6. Select STORM SPEED.

7. Enter 20 knots and press “RETurn” via the Graphic Tablet Keyboard Area.

- If "DEFAULT PARAMETERS" only is selected instead of Steps 4, 5, 6, and 7, the Storm Track Information for the storm in the 27x27 nm window is automatically subtracted when the product is generated. If no storm is in the window, the average storm motion for the entire 124 nm range is used.

8. Select SEND RPG REQ.

- If the screen is cleared, the product displays when it arrives in the data base. However, the screen is idle during product generation and transmission.

END

GRAPHIC TABLET

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END HOUR																					BLINK COLOR LEVEL	RESTORE DISPLAYED PRODUCT	GRAY/COLOR SCALE	CURSOR AUTO/ MANUAL	CURSOR LINK/UNLINK
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ALL/ONE SWA																									
MATCH PARA-METERS																									
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DISPLAY FUNCTIONS

PRODUCT OVERLAYS

4

6

2

3

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
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