



PACIFIC REGION TECHNICAL NOTES

No. 78-051

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Annual Review (1978) of the Pacific Region Technical Notes

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Introduction

This note is presented as the last technical note of the year and as the first annual review of the Pacific Region Technical Notes. Not only is this a review of the notes by editors but a review by the Pacific Region operational weather offices who are cooperative members in these communicatory notes. A summary of the questionnaire sent out in an earlier Note No. 78-037 will be presented as part of our review.

Editor's General Comments

Since the first Pacific Region Technical Note on March 1, 1978, it is now forty-three weeks and 51 technical notes later. This is a little under $1\frac{1}{4}$ technical notes a week, an incredible amount of publications considering that these are from operational personnel who have little time for this type of activity in their work schedules. A breakdown of articles by offices shows that 43 are from the Pacific Weather Centre, 2 from Comox, 2 from Prince George, 2 from Kamloops, 1 from Vancouver Aviation and 1 from Penticton. The steady increase of articles from offices other than the Pacific Weather Centre is a useful barometer of the acceptance of the Technical Notes. See Appendix B for an index of Technical Notes.

A look at our hardware resources shows that we have available to us two manual typewriters, a zerox machine and a computer to produce address labels. A look at our people resources shows that we have part of a PWC ODIT manyear and the assistance of project meteorologists when shift schedules and project priorities permit. The main area of difficulty encountered is the lack of clerical or secretarial staff to assist in the functions of publications such as editing, typing, zeroxing, filing and mailing. Nevertheless all notes were mailed within 3-5 days of receipt, however in this coming year it is very likely we will not be able to continue at this pace due to reductions in the overall staff at PWC and thus the reduction in available project meteorologists to write technical notes and assist in the publication of these notes.

This past fall due to the increased administrative duties for Pete Haering, John Spagnol has been added to the editorial staff to join Fred Eddy and myself.

Response to the Questionnaire

Twelve of the thirteen operational weather offices other than the Pacific Weather Centre and within the Pacific Region responded to the questionnaire.

The weather offices responding to the questionnaire are:

Victoria, Kamloops, Kelowna, Port Hardy,
Terrace, Prince George, Prince Rupert Forestry,
Vancouver Aviation, Penticton, Williams Lake Forestry,
CFWO Comox, METOC Centre Pacific

A summary of the questionnaire responses are given in Appendix A.

Our Summation

The aim of these notes as laid out in Technical Note No. 1 was that these notes be timely, useful communication of technical Pacific Region operational information. It is this criteria which each annual review will assess to determine whether the recommendation for continuance or termination be made to the office of the Regional Director.

Based on this criteria, the assessment of our resources and the results of the questionnaire it appears that the Pacific Region Technical Notes should continue unchanged. The negative comments about the quality of zeroxed satellite pictures is beyond are means of improving.

APPENDIX A

Summary of Response to Questions

(based on the twelve offices who replied)

	<u>No. of replies</u>
1. Which of the following should be done?	
Discontinue notes	5
Make changes to make it worthwhile	6
Leave as is	1
Make changes to make it better	
No answer	
2. How many of the notes are used?	
All	8
Most of them	3
Some	1
None	
3. Are you saving the notes?	
All	12
Most of them	
Some	
None	
4. Will members of your office be contributing articles in the coming 12 months?	
Yes	4
No	
Maybe	8
5. In general is the quality of zeroxed satellite pictures sufficient to understand the articles?	
Yes	1
Most of them	9
Seldom	2
No	

Questions 7 and 8 were more subjective in nature and here are the replies:

7. What change would you like to see in the notes?
 - More response from interior stations.
 - None are necessary.
 - More and timely reviews of Bust Forecasts.
 - Perhaps more input from Field offices re special services, etc.
 - More frequent articles related unusual wx. phenomenon in the interior.
 - We feel notes will evolve and become better.
 - More response from techs
 - More of them, more variety of topics.

APPENDIX A (cont.)

None, really they are quite good.
Present Format is fine.

8. Your general comments about the Technical Notes.
Keep them coming- they add considerably to our knowledge.
Generally excellent.
Very informative and of value.
Mert, if you cancel these notes, you'll have the whole
Region down on your neck!!
Keep up the good work, it is very much appreciated here
at least.
All of our staff are impressed with the notes and find
them helpful in understanding the various subjects
concerned. They are much more interesting and
pertinent than the TEC Memoranda series.
Very informative - Keep up the good work.
Good.
Terrific! An informal forum for discussion that is badly
needed. We benefit greatly from them and hope to
contribute more in the future.
Worthwhile program. Good to see a relatively short time
span between an event and its write-up on many
articles. Subject is therefore still fresh on mind.
All have been worth reading, most have been interesting,
many have been of real value (009 and 014 come to mind)
Keep it up!

APPENDIX B

- 78-001B MARCH 01,1978
INTRODUCTION TO PACIFIC REGION TECHNICAL NOTES
MERT HORITA, ODIT METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER
- 78-002A MARCH 16,1978
EFFECTIVENESS OF PACIFIC REGION - W04 WORKSHOP
PETE HAERING, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER
- 78-003A MARCH 20,1978
NOTES ON STABILITY INDICES
MERT HORITA, ODIT METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER
- 78-004B MARCH 25,1978
EXAMPLES OF DEFORMATION BOUNDARIES
JOHN SPAGNOL, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER
- 78-005A MARCH 31,1978
STABILITY INDEX CRITERIA FOR INTERIOR B.C. STATIONS
MERT HORITA, ODIT METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER
- 78-006A APRIL 05,1978
NUMERICAL MODELS IN USE AS OF FEB. 1, 1978
FRED EDDY, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER
- 78-007A APRIL 13,1978
IDENTIFICATION OF CLOUDS AND OTHER FEATURES ON SATELLITE
PICTURES
JOHN SPAGNOL, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER
- 78-008B APRIL 17,1978
INFRARED ENHANCEMENTS - USE AND LIMITATIONS
JOHN SPAGNOL, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER
- 78-009B APRIL 19,1978
VERIFICATION OF CMC VORTICITY ANALYSIS
PETE HAERING, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER
- 78-010B APRIL 24,1978
STORM FORCE WINDS AND SATELLITE IMAGERY
PETE HAERING, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER
- 78-011B APRIL 24,1978
BUST FORECAST - AND AN ATTEMPTED EXPLANATION
PETE HAERING, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER
- 78-012A MAY 01,1978
STABILITY INDEX CRITERIA FOR COASTAL B.C. STATIONS
MERT HORITA, ODIT METEOROLOGIST

PACIFIC WEATHER CENTRE, VANCOUVER
78-013B MAY 04, 1978
HEAVY RAINS OVER THE KOOTENAYS
PETE HAERING, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER

78-014A MAY 09, 1978
SATELLITE IMAGERY AND THE LOCATION OF FRONTAL WAVES
PETE HAERING, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER

78-015B MAY 12, 1978
PLACEMENT OF LOW LEVEL RIDGE LINES USING SATELLITE IMAGERY
JOHN SPAGNOL, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER

78-016B MAY 16, 1978
A RECORD SNOWFALL AT COMOX
W.L. RANAHAN, METEOROLOGIST
WEATHER OFFICE CFB COMOX

78-017A MAY 25, 1978
SPECIAL FORECASTS FOR B.C. DEPT. OF HIGHWAYS PRINCE GEORGE
DISTRICT
EARL ZILKIE, METEOROLOGICAL TECHNICIAN, O.I.C.
WEATHER OFFICE PRINCE GEORGE

78-018A MAY 26, 1978
P.W.C. MOUNTAIN FORECAST PROGRAM 1977/78: NOTE 1
TOM GIGLIOTTI, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER

78-019A JUNE 6, 1978
OROGRAPHICALLY INDUCED CIRRUS
PETER HAERING, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER

78-020B JUNE 15, 1978
SATELLITE IMAGERY AND THE EVOLUTION OF A CUT-OFF LOW
PETER HAERING, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER

78-021B JUNE 16, 1978
CLOUD COVER, DIFFERENTIAL HEATING AND CONVECTION
PETER HAERING, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER

78-022B JUNE 16, 1978
PLACEMENT OF UPPER LEVEL RIDGE-LINES USING SATELLITE IMAGERY
JOHN SPAGNOL, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER

78-023B JUNE 21, 1978
STORM DEVELOPMENT ASSOCIATED UPPER LOWS
JOHN SPAGNOL, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER

78-024B JULY 20, 1978
THE EFFECT OF ANALYSIS ON SUBSEQUENT PROGNOSIS
PETER HAERING, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER

78-025A JULY 20, 1978
MAP TYPING AT THE PACIFIC WEATHER CENTRE
FRED EDDY, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER

78-026A JULY 21, 1978
TO PE OR NOT TO PE
PETER HAERING, METEOROLOGIST

PACIFIC WEATHER CENTRE, VANCOUVER
78-027A JULY 26, 1978
THE EFFECT OF ANALYSES ON SUBSEQUENT PROGNOSSES CONT..
PETER HAERING, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER

78-028B JULY 30, 1978
FAILURE OF COMPUTER PRODUCTS TO HANDLE CONVECTIVE PRECIP.
PETER HAERING, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER

78-029A JULY 31, 1978
THE EFFECT OF ANALYSES ON SUBSEQUENT PROGNOSSES CONT..
PETER HAERING, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER

78-030A JULY 31, 1978
THE EFFECT OF ANALYSES ON SUBSEQUENT PROGNOSSES CONT..
PETER HAERING, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER

78-031A AUGUST 01, 1978
THE EFFECT OF ANALYSIS ON SUBSEQUENT PROGNOSIS CONT..
PETER HAERING, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER

78-032A AUGUST 15, 1978
A TRANSPORTABLE CB SLY INDEX CALCULATION
PETER MADISON, METEOROLOGICAL TECHNICIAN
WEATHER OFFICE, PRINCE GEORGE

78-033A AUGUST 23, 1978
SATELLITE OBSERVATION OF KAT FOREST FIRE
JOHN SPAGNOL, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER

78-034A AUGUST 31, 1978
ON THE INFLOW OF STRATUS INTO THE SOUTHERN GEORGIA
STRAIT
JOHN SPAGNOL, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER

78-035A SEPT 08, 1978
STRATUS ADVECTION INTO THE SOUTHERN GEORGIA STRAIT
JOHN SPAGNOL, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER

78-036A OCT 03, 1978
THE DRY LIGHTNING OUTBREAK OF AUGUST 4TH 1978
BRYAN JENSEN, FIRE WEATHER PRESENTATION TECHNICIAN
KAMLOOPS FOREST DISTRICT

78-037A OCT 03, 1978
REVIEW OF THE PACIFIC REGION TECHNICAL NOTES
MERT HORITA, ODI METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER

78-038A OCTOBER 5, 1978
CLOUD ANALYSIS FROM SATELLITE IMAGERY
JOHN SPAGNOL, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER

78-039 OCTOBER 13, 1978
KAMLOOPS WX OFFICE SPECIAL RECREATIONAL FCST FOR THE
THOMPSON-SHUSWAP RGN- SUMMER 1978
WALTER J. FRYMIRE, OFFICER IN CHARGE
KAMLOOPS WEATHER OFFICE

78-040A VERIFICATION OF COMOX 2 TO 5 DAY FORECASTS
W.L. RANAHAN, METEOROLOGIST

CFWO COMOX

78-041 NOVEMBER 3, 1978
THE HALLOWEEN DELUGE - TERRACE 1978
BRIAN HAMMOND, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER

78-042 NOVEMBER 7, 1978
PECULARITIES OF FOG FORMATION AT THE VANCOUVER AIRPORT
GORD LAMB, AVIATION BRIEFER
VR W04, A.E.S.

78-043 NOVEMBER 10, 1978
THE FXCN4 CYVR SATELLITE MESSAGE
JOHN SPAGNOL, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER

78-044 NOVEMBER 11, 1978
THE CIRRUS - ICING PILOT REPORT MEMORANDUM
H.T. BEAL, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER

78-045 DECEMBER 01, 1978
PLACEMENT OF SURFACE LOWS USING SATELLITE IMAGERY
JOHN SPAGNOL, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER

78-046 DECEMBER 02, 1978
AN EXAMPLE OF INDUCED WAVE CYCLOGENESIS OR
SEVEN HOURS OF MODERATE RAIN AT VANCOUVER
H.T. BEAL, METEOROLOGIST
PACIFIC WEATHER CENTRE, A.E.S.

78-047 DECEMBER 06, 1978
PUBLIC FORECAST VERIFICATION SCORES FOR
GREATER VANCOUVER 1972-78
VELLO PUSS, METEOROLOGIST
PACIFIC WEATHER CENTRE, A.E.S.

78-048 DECEMBER 07, 1978
ANOTHER QUICK LOOK AT VERIFICATION SCORES
VELLO PUSS, METEOROLOGIST
PACIFIC WEATHER CENTRE, A.E.S.

78-049 DECEMBER 07, 1978
FROST ADVISORY FOR OKANAGAN GRAPE AND VEGETABLE
GROWERS - FALL 1978
DALE H. RICHIER, OFFICER IN CHARGE
PENTICTON WEATHER OFFICE

78-050 DECEMBER 18, 1978
PRELIMINARY AIREPS FEASIBILITY STUDY
FRED EDDY, METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER

78-051 DECEMBER 29, 1978
ANNUAL REVIEW (1978) OF THE PACIFIC REGION
TECHNICAL NOTES
MERT HORITA, ODIT METEOROLOGIST
PACIFIC WEATHER CENTRE, VANCOUVER