A

TORNADO PROJECT SUMMARY SHEET

F=0

1. DATE AND TIME: Sat Aug 16 '80 at about 14:30 AST

2. LOCATION OR PATH (attach map): Northpoint N.S. 0398003

3. PATH LENGTH: [/] NOT KNOWN [ ] <1mi; [ ] 1-4mi; [ ] 5-10mi; [ ] 11-50mi; [ ] LENGTH IF>50

4. PATH WIDTH: 60 ft 5. TORNADO PART OF SQUALL LINE? [ ] YES; [ ] NO; [/] UNKNOWN

6. ANY UNUSUAL COLORATION? [ ] YES; [ ] NO; [ ] UNKNOWN funnel silver gray in color

7. ANY UNUSUAL SOUND? [ ] YES; [ ] NO; [ ] UNKNOWN

8. IF ANSWER TO 6 OR 7 YES, ELABORATE;

9. LIST ANY ASSOCIATED PHENOMENA (such as hail, vivid lightning heavy rain, no rain, etc.)

10. TOTAL DAMAGE ESTIMATE $ 0 11. TOTAL DEATHS 0

12. TOTAL INJURED 0 13. TOTAL HOMELESS 0

14. LIST ALL REFERENCES

Amherst Daily News NS
Aug 18 '80

15. SUMMARIZE REMARKS PERTAINING TO (a) FUNNEL; (b) INTERESTING OR CAPRICIOUS EVENTS.

- witness described funnel as "a great slenderous funnel-shape thing ... a beautiful silver gray in color."
- another witness said the funnel reached 500-600 feet into the cloud base.
- when the funnel hit shore there was a great cloud of foam over the trees then "a cloud of dust or sand" before it dissipated.
- storm overturned a sailboat.
- funnel had a 60 foot wide path through trees

Tornado N.S

Storm Date: Sat Aug 16 '80

Canadian Press Clipping Services
481 UNIVERSITY AVE.
TORONTO, M5W 1A7

Amherst Daily News
Nova Scotia
Circ. 3,744
CANADIAN PRESS CLIPPING SERVICES

August 18, 1980

C1492

Tornado-like Funnel Rips Into Northport

—Overturns Boat, Causes Minor Damage

481 UNIVERSITY AVE. TORONTO, ONT. M5W 1A7 A-6815

By JAMES LIPSIT
Staff Writer

NORTHPORT — The high winds and heavy rain which lashed the Eastern Maritimes Saturday and early Sunday produced a tornado-like water spout when it whipped ashore here Saturday afternoon, overturning a sailboat and causing minor damage in the community.

"It was a great, slendour, funnel-shape thing...a beautiful silver-gray in color," said resident Don McNeil, who with his family watched from the beach as the storm appeared to the north over Coldspring Head at about 3:30 p.m.

The first streak of lightening saw the family move indoors as the funnel, which McNeil estimated reached 5-600 feet into the cloud base, snaked along towards their family home.

McNeil, who took part in meteorological reconnaissance patrols while in the Air Force, told the Daily News he had never seen anything like the funnel and thought it forbidding enough to order his family briefly to the basement.

He said he was relieved to see the funnel dissipate when it hit shore. "We could see one hell of a great cloud of foam over the trees...then a cloudy of dust or sand before it dissipated."

The force of the storm was enough to tear a sailboat belonging to Don Russell from its offshore anchorage and overturn it, another resident said. The extent of the damage to the boat was unavailable.

Mrs. Joyce Ridgeway, who operates a campground here, said she can only describe the funnel as being like the "tornado in Mr. Clean commercials."

She told the Daily News the 60 foot wide path the funnel took is still visible through a grove of trees on her property, but that little damage was caused by the storm.

Twelve campsites were occupied during the storm, but Mrs. Ridgeway says only those campers who saw the approach of the funnel took shelter indoors. The rest braved it outside.

Only minor storm-related damage was reported in Amherst.

A weather office spokesman said the swirling water spouts are usually associated with severe thunderstorm activity.

Winds of more than 100 kilometres an hour hit the eastern Gulf of St. Lawrence, forcing ferry service between Wood Islands, P.E.I., and Caribou, N.S., to a halt for a time.

East Point, P.E.I. recorded wind of up to 104 kilometres an hour in gusts early Sunday. Charlottetown reported a gust of 87 kilometres an hour.

Winds reached 69 kilometres in Halifax, 65 kilometres at Sydney, N.S., and 60 kilometres an hour at Moncton, Sunday.

Search and Rescue headquarters here reported there were no distress calls.

Tornado NS

Storm Date: Sat Aug 16 '80

Canadian Press Clipping Services
481 UNIVERSITY AVE.
TORONTO, M5W 1A7

Halifax Chronicle Herald
Nova Scotia
Circ. 72,641
CANADIAN PRESS CLIPPING SERVICES
August 18, 1980

A1492

Wind, rain cause of disruption

High winds and heavy rain lashed the eastern Maritimes late Saturday and early Sunday and caused some disruption in transportation.

Winds of more than 100 kilometres an hour hit the eastern Gulf of St. Lawrence, forcing ferry service between Wood Islands, P.E.I., and Caribou to a halt for a time.

East Point, P.E.I. recorded wind of up to 104 kilometres an hour in gusts early Sunday. Charlottetown reported a gust of 87 kilometres an hour.

Winds reached 69 kilometres in Halifax, 65 kilometres at Sydney and 60 kilometres an hour at Moncton on Sunday.

Search and rescue headquarters reported there were no distress calls although many small craft headed for sheltered coves and the closest ports. At least one small vessel was dismasted in the Halifax area.

A tornado-like water spout associated with the overnight storm flipped a sail boat and caused minor damage at a campground near Northport, 35 kilometres north of Amherst.

A weather office spokesman said the swirling water spouts are usually associated with severe thunderstorm activity.

High winds knocked down tree branches in many areas. There were no reports of lengthy power outages.

WORKSHEET

IDTO 03980-03

① ORIGIN x 20,433000

y 5090000

⑤ Standard Error S_x

0 = 1000

② LIFT-OFF x_1

y_1

⑥ Standard Error S_y

③ $(x_1 - x) =$

④ $(y - y_1) =$

⑦ DAMAGE LENGTH

$L = [(x_1 - x)^2 + (y - y_1)^2]^{1/2}$

⑧ $\alpha = \tan^{-1} \dfrac{|y - y_1|}{|x - x_1|}$

③+④ $\boxed{\rightarrow r, \theta}$ =

$\boxed{x \leftrightarrow Y}$ =

⑨ Standard Error $S_L = (S_x^2 + S_y^2)^{1/2}$

⑤+⑥ $\boxed{\rightarrow r, \theta}$ =

⑩ $\beta = \dfrac{\tan^{-1} S_L}{L}$

⑦+⑨ $\boxed{\rightarrow r, \theta}$

$\boxed{x \leftrightarrow Y}$ =

NE Quad $\phi = 90 - \alpha$

NW Quad $\phi = 270 + \alpha$

SW quad $\phi = 270 - \alpha$

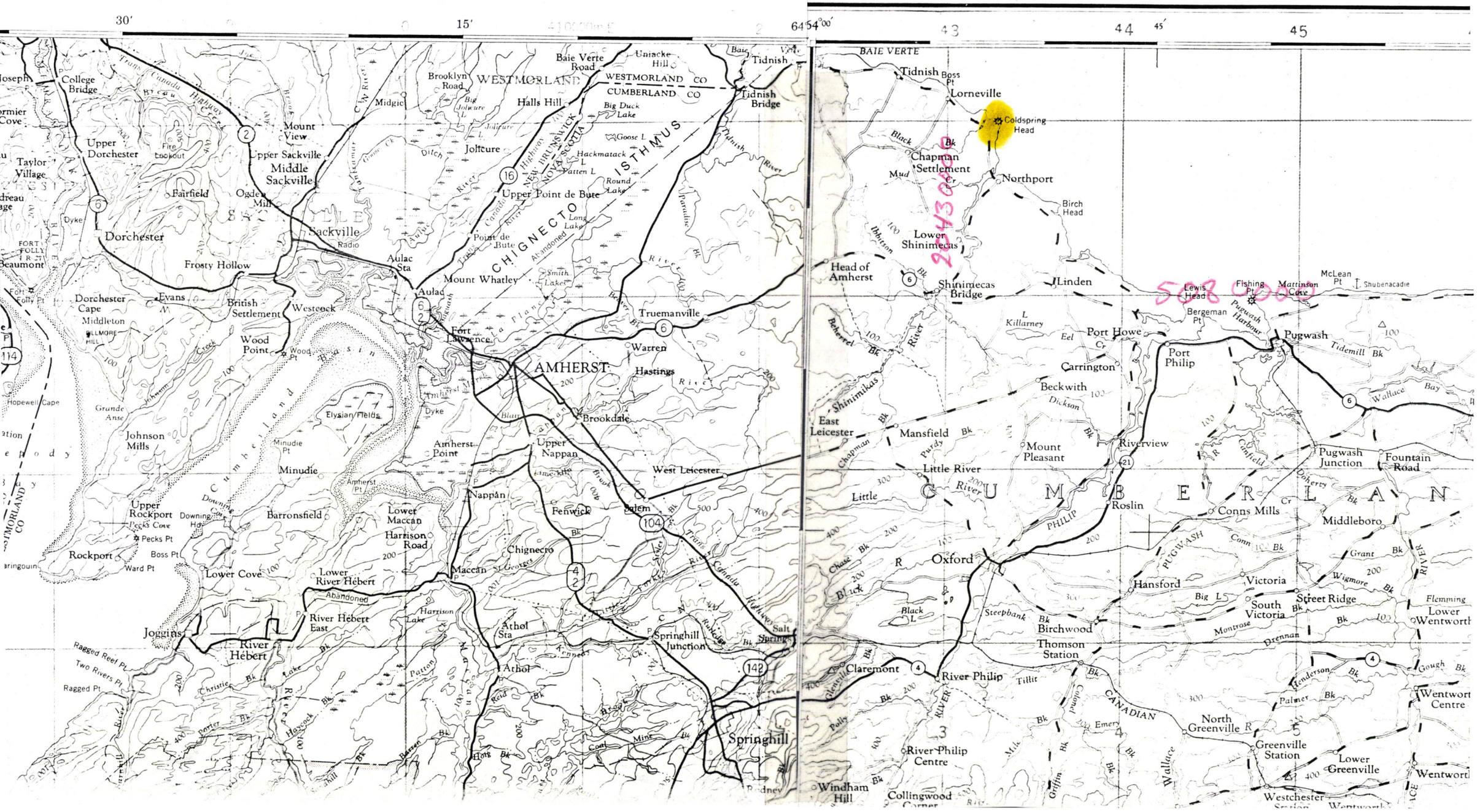
SE quad $\phi = 90 + \alpha$

⑪ $\phi =$

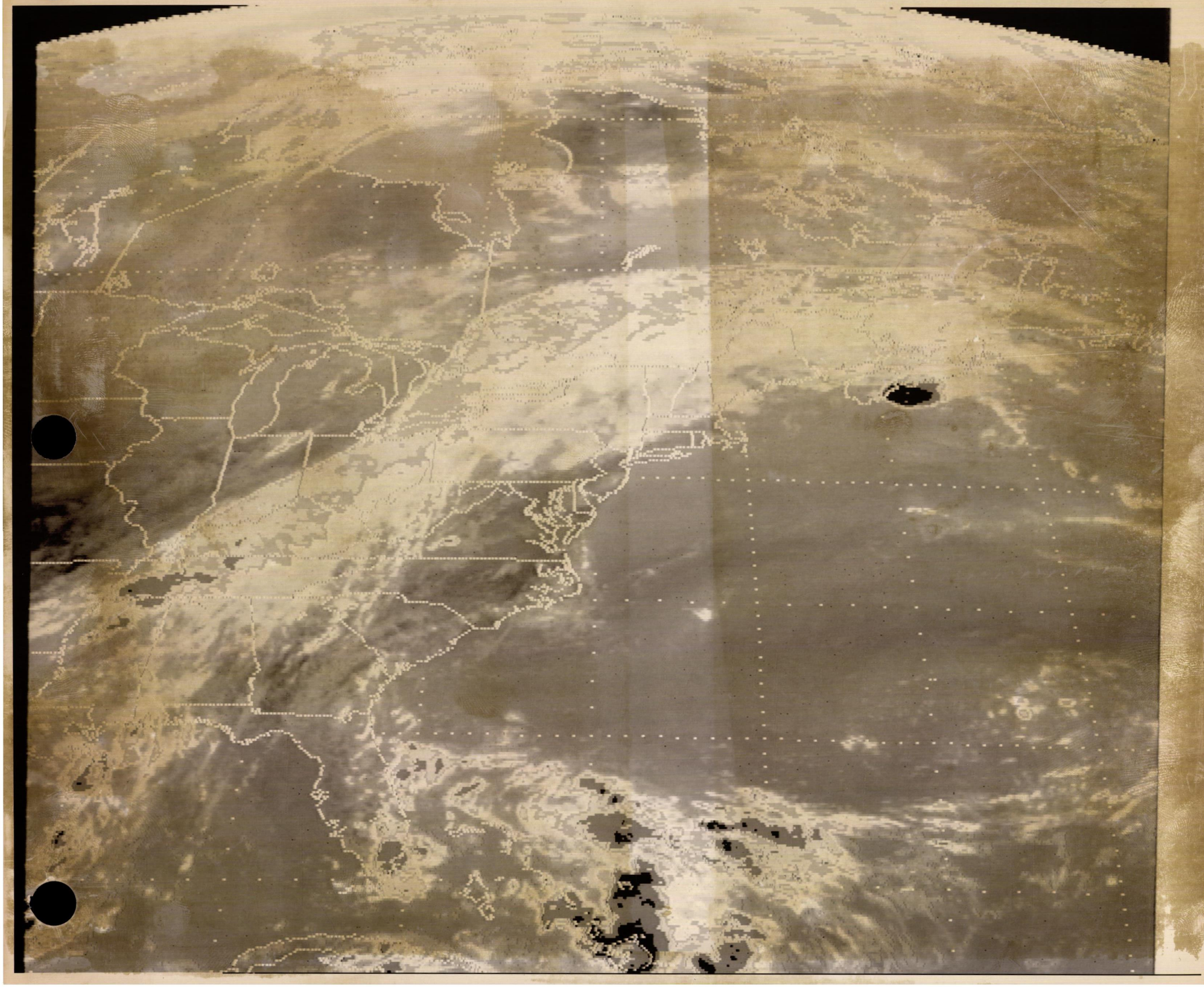
EDITION 3

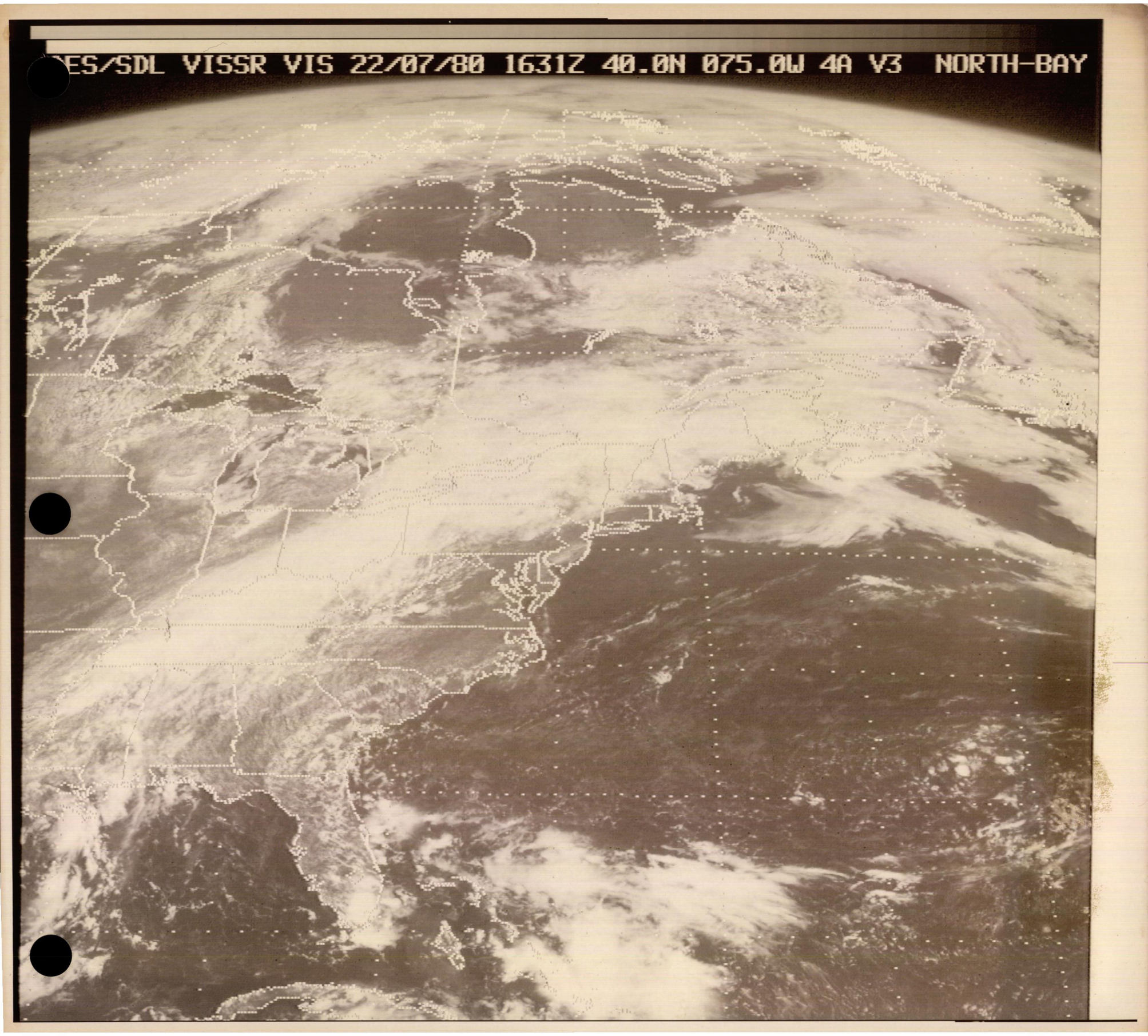
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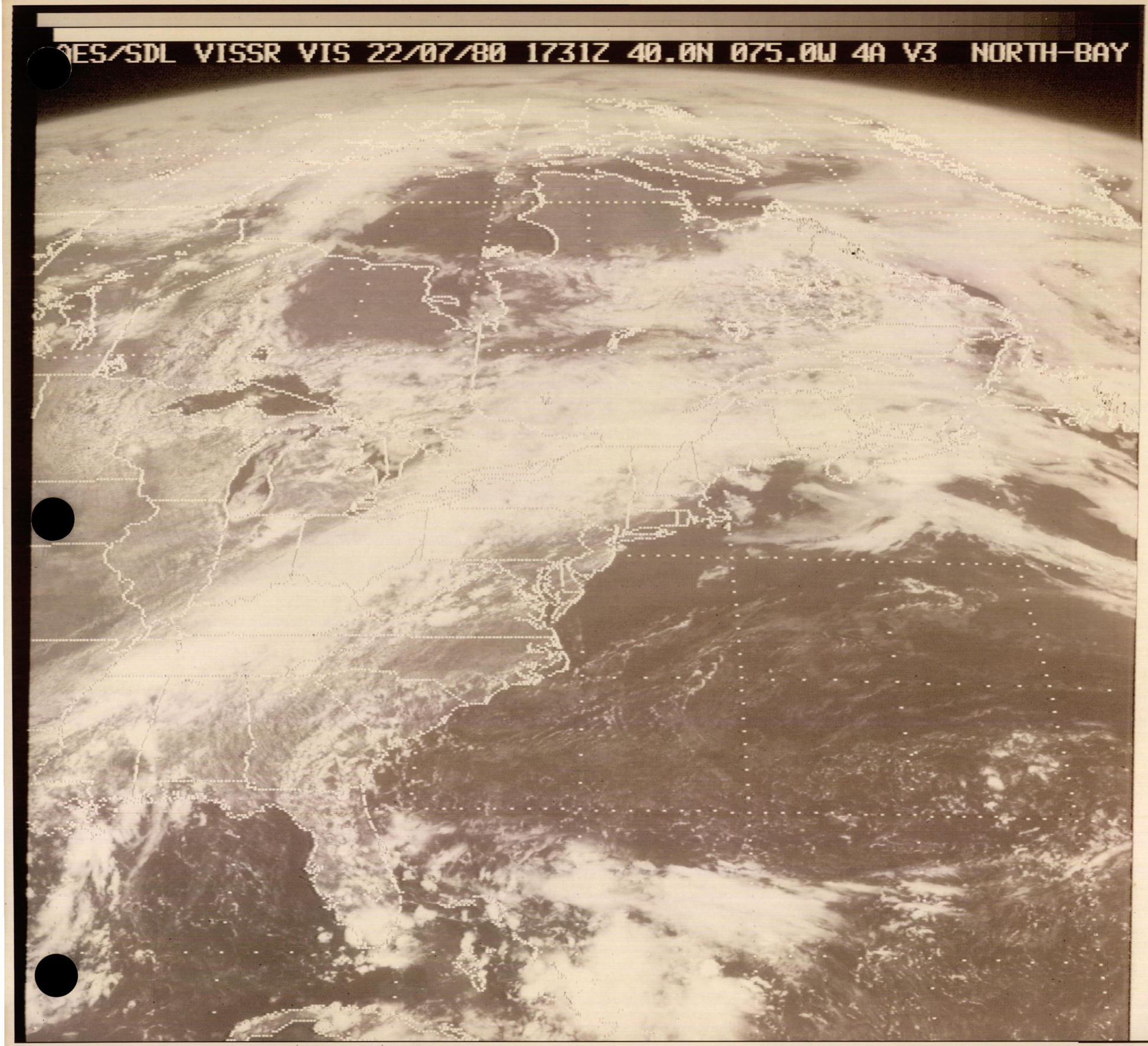
ATIONAL TOPOGRAPHIC SERIES



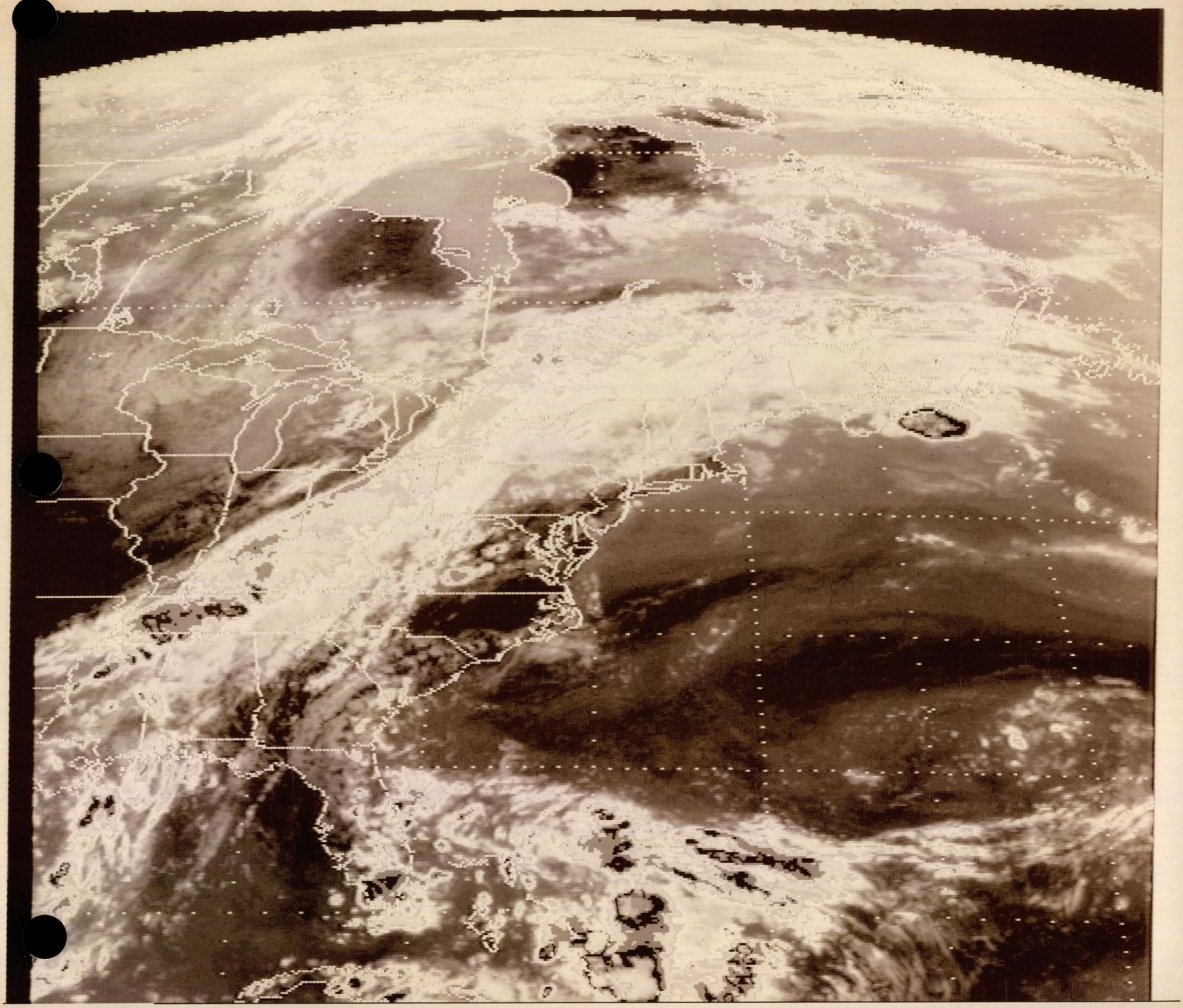
IR 1631Z July 22/80.

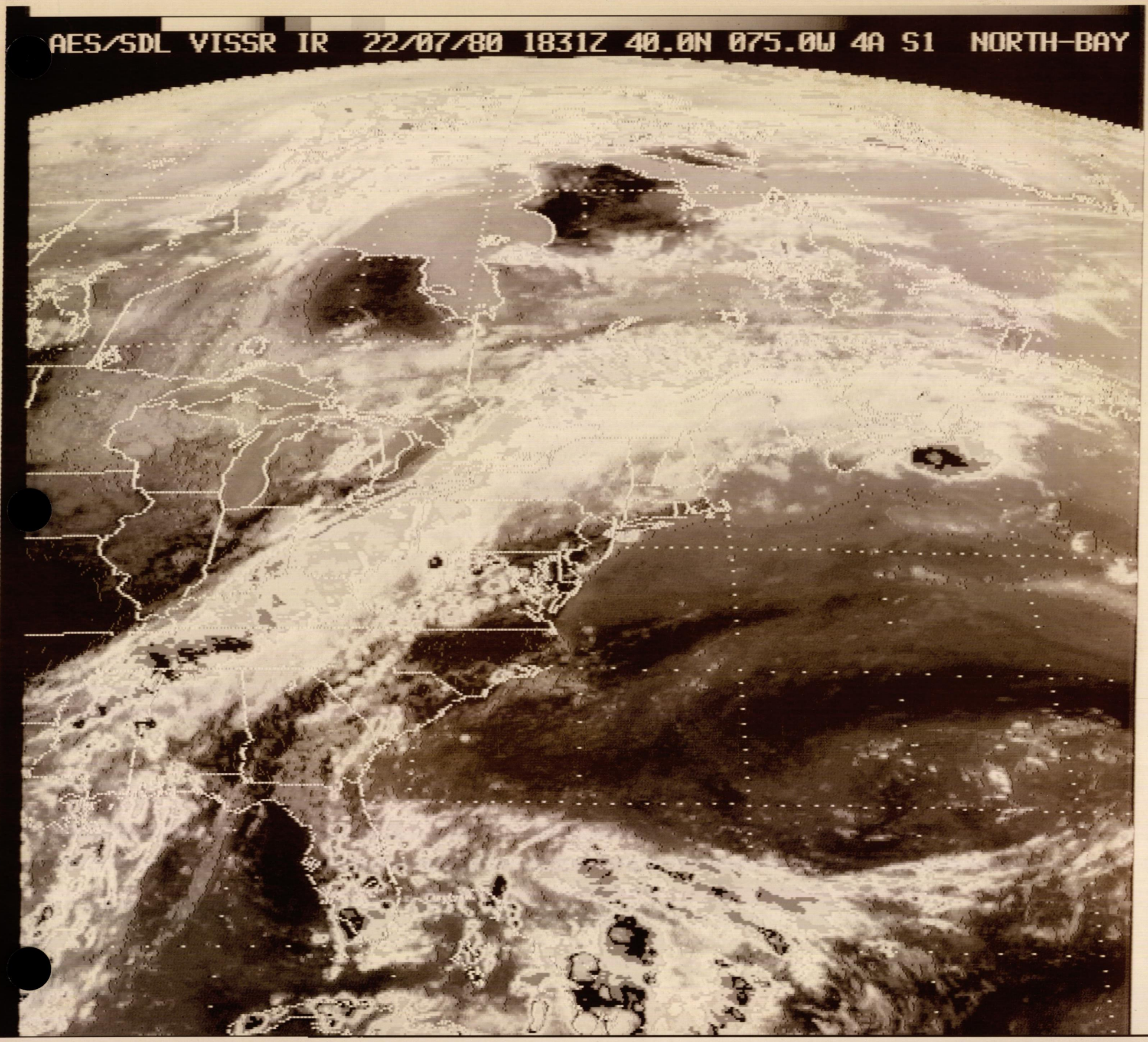


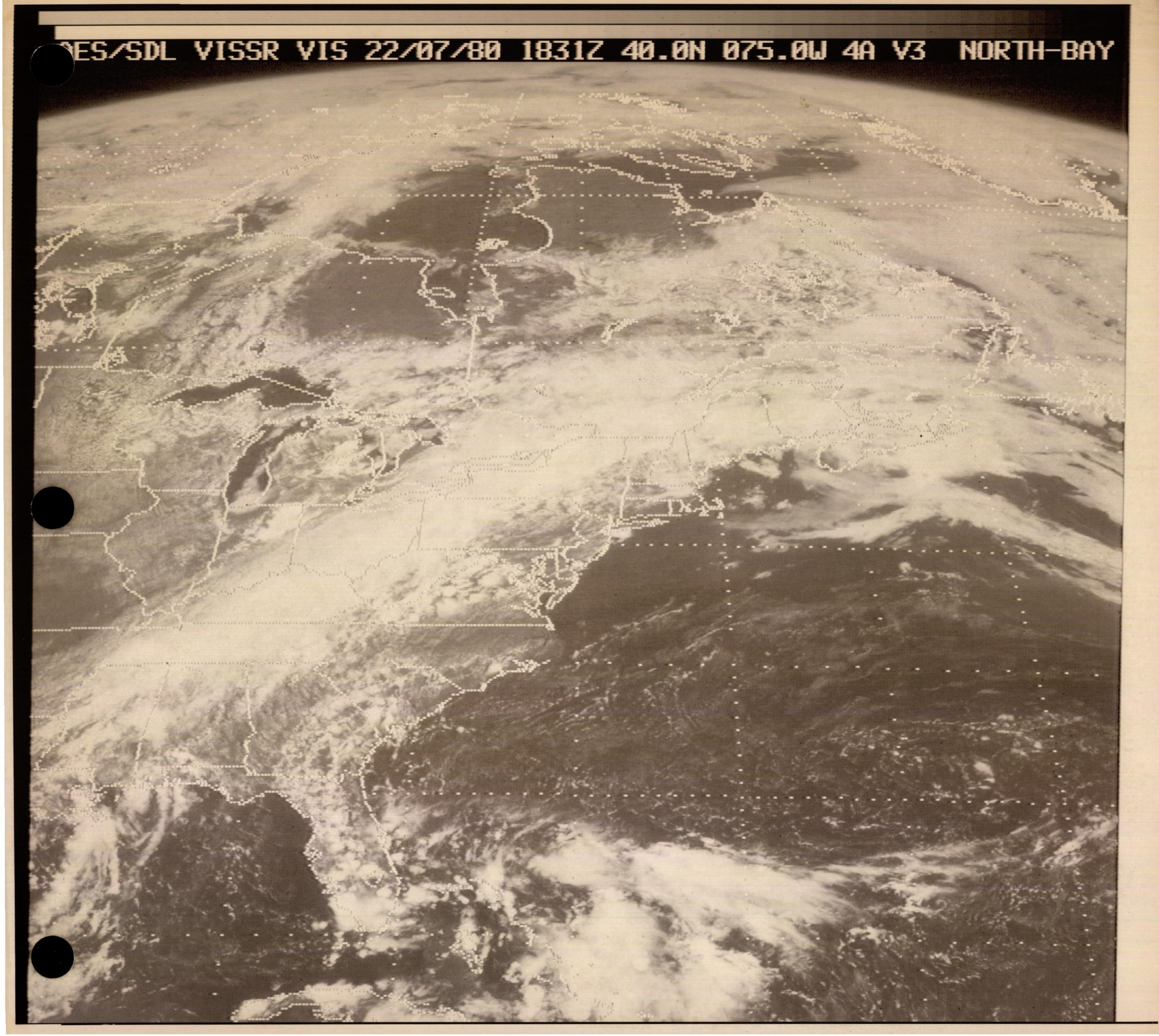

ES/SDL VISSR VIS 22/07/80 1631Z 40.0N 075.0W 4A V3 NORTH-BAY


ES/SDL VISSR VIS 22/07/80 1731Z 40.0N 075.0W 4A V3 NORTH-BAY

1731Z 22/07/80




AES/SDL VISSR IR 22/07/80 1831Z 40.0N 075.0W 4A S1 NORTH-BAY


ES/SDL VISSR VIS 22/07/80 1831Z 40.0N 075.0W 4A V3 NORTH-BAY

Government of Canada / Gouvernement du Canada

ACTION REQUEST / **FICHE DE SERVICE**

To — À: CCAT, Downsview
Attn: M. Newark

File No. — Dossier N°:

Date: 80-08-15

From — De: A/MAES, Bedford

☐ Please call / Prière d'appeler	Tel. No. — N° de tél.	Ext. — Poste
☐ Returned your call / Vous a rappelé	☐ Will call again / Vous rappellera	☐ Wants to see you / Désire vous voir
Date	Time — Heure	Message received by / Message reçu par
☐ Action / Donner suite	☐ Approval / Approbation	☐ Note & return / Noter et retourner
☐ Comments / Commentaires	☐ Draft reply / Projet de réponse	☐ Note & forward / Noter et faire suivre
☑ As requested / Comme demandé	☐ Signature	☐ Note & file / Noter et classer

Radars from YHZ today of possible tornado at Roseway.

Barb

GC 12E

7540-21-868-3907