

**CLASSIFICATION: UNCLASSIFIED**  
**CLASSIFICATION: NON CLASSIFÉ**

**21 AEROSPACE CONTROL AND WARNING SQUADRON**  
**21° ESCADRON DE CONTRÔLE ET D'ALERTE (AÉROSPATIALE)**



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SUBJECT/SUJET: CIRVIS Report

DATE/DATEE: 24 Dec 2018

PAGES (INCLUDE COVER PAGE)/PAGES (INCLUT LA PAGE DE  
COUVERTURE): 4

TO/A: Transport Canada (AAROC) Aviation Operations Centre

TELEPHONE/TÉLÉPHONE : \_\_\_\_\_ FAX/FAX : 1-813-993-7788

FROM/DE : Maj TA. Walter, AFM, 21 Sqn, Canadian Air Defence Sector.

REMARKS/REMARQUES: No threat CIRVIS Report.

Please Acknowledge receipt via email at: todd.walter@forces.gc.ca

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COMMUNICATIONS INSTRUCTIONS REPORTING VITAL INTEL (CIRVIS)		MCC JA 08
1	CIRVIS report identification. <i>21522 AFH 24 Dec 2018</i>	
2	Identification of object(s) sighted:	
A	For identifiable objects, include number and identification of aircraft, <del>vessel</del> missile, or individuals seen.	
B	For unidentifiable objects, give a description including shape, size, number, formation, and any discernible features or details. <i>Lights in the sky.</i>	
C	Include any observed identification (i.e., insignia, lettering, flags, etc.). <i>N/A.</i>	
3	The position of the object. Include the date and time (GMT) of the sighting. This can be indicated by any of the following methods:	
A	Latitude and longitude. <i>43:00 N, 066:18 W</i>	
B	Over the radio fix.	
C	True bearing and distance from a radio fix.	
D	Over a well-known or well-defined geographic point.	
4	Description of the course of the object. <i>(122° Magnetic) Reported Hovering.</i>	
A	Altitude. <i>12,800'</i>	
B	Direction of travel. <i>South East.</i>	
C	Speed. <i>77 knots</i>	
D	Description of flight path and maneuvers.	
E	What first called attention to the object? <i>Visually spotted by Civ &amp; Fisherman.</i>	
F	Angle or elevation with azimuth when first noticed. <i>N/A.</i>	
G	How long was the object visible? <i>(0045Z-0130Z) approx 45 mins</i>	
H	Angle or elevation with azimuth upon disappearance. <i>N/A.</i>	
I	How did the object disappear? <i>See Att.</i>	
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5	Manner of observation.	<i>Visual, Plus Possible Radar Data.</i>		
A	State how observed: <u>ground-visual</u> , ground-electronic, air-visual, air-electronic. (If electronic, specify system).	<i>and from a fishing boat.</i>		
B	Were optical aids (telescope, binoculars, etc.) used?	<i>Unknown.</i>		
6	Conditions when sighting the object.	<i>Partly Cloudy. ~ -2°C.</i>		
A	Location of observer. If the sighting is made while airborne, include aircraft type, identification number, altitude, heading, speed, and home station.	<i>From Yarmouth NS on land and from a fishing boat in the Bay of Fundy.</i>		
B	Light conditions (Use one of the following terms: day, <u>night</u> , dawn, dusk).			
C	Weather conditions (ceiling, visibility, clouds, thunderstorms, temperature, winds, etc.)	<i>WxNetWork.com: ~3000 ft Km Partly Cloudy. ~2°C 40kth N. (East of 9km)</i>		
7	Interception or identification action taken.	<i>Radar Data Replay.</i>		
8	Location, approximate altitude, and general direction of flight of any air traffic or balloon releases in the area that could possibly account for the sighting.	<i>Unknown.</i>		
9	Preliminary analysis of the possible cause of the sightings.			
10	Existence of physical evidence, such as materials and photographs.	<i>None.</i>		
11	Name, organization, and means of contacting the reporting individual.	<i>JR CC Halifax</i>		
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**Additional Info for CIRVIS Report 24 Dec 2018.**

This report was called in to The Canadian Air Defence Sector (CADS) Surveillance Section from Joint Rescue Coordination Centre (JRCC) Halifax at approx. 0230z 24 Dec 2018.

Lights were reported in the sky at approx. 43:00N by 66:18W by both a woman from her home on shore near Yarmouth, NS, and a fisherman on a boat off shore from Yarmouth, exact location of the boat is unknown.

CADS did a Playback of Radar data from the reported area above and observed three primary radar hits with the following information recorded for these three data points:

Time	Lat;Long	Altitude	Dist from last point
0100:38z	43:48:50.13N 066:19:14.91W	12,800 Ft	
0100:50z	43:48:50.13N 066:18:54.26W	12,800 Ft	502 yards
0101:14z	43:48:45.91N 066:18:33.65W	12,800 Ft	514 yards

The heading was measured at 122 Degrees Magnetic and a speed calculation of 77 knots based on the distance between the first two data points. Based on the time difference between the second and third points this speed would be halved to 38 knots.

Few specifics given about the light, it was yellow, steady and hovering is all that was passed.

ATC was contacted and they had no reports of observations from aircraft in that area.

This is an area that has good low level radar coverage, so there is no explanation of why there were only three points all at exactly 12,800 Ft with no points leading up to or continuing on at any other altitudes. Suspect that these may have been independent radar hits on weather and not an actual airborne object.