

## **Factual Report – Attachment 1**

Email correspondence with the National Weather Service.

# **METEOROLOGY**

ERA22LA120

*Submitted by: Mike Richards  
NTSB, AS-30*

## Richards Michael

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**From:** Lora J. Wilson - NWS Federal [REDACTED]@noaa.gov>  
**Sent:** Thursday, February 17, 2022 8:21 AM  
**To:** Richards Michael  
**Subject:** Re: one more question

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From Chet:

*The I-group reports ice accretion: I1 is the ice accretion amount since the last METAR, I3 is the 3-hour total (reported at 3Z, 9Z, 15Z and 21Z), and I6 is the 6-hour total (reported at 0Z, 6Z, 12Z and 18Z). I1000 is, as you indicated, a report of a trace of ice accretion. ASOS will encode this when it has measured ice accretion of 0.002" - 0.005" or if there is a report of FZDZ or FZRA in the present weather report during the hour with an ice accretion total of < 0.005". Additionally, accretion due to sources other than FZDZ and FZRA are reported, such as frost and freezing fog. On frosty mornings, it is pretty common to see an I-group encoded. The amount of icing correspondence with the liquid water equivalent in the frost.*

*That said, there is something clearly amiss with this report. I went back through the records and KMRH has been encoding I1000 or I1001 in the remarks of every ob since 758Z on November 25, 2021...clearly erroneous.*

*I will need to do a little digging to see what is happening.*

I'll send more when I get it!

Lora

On Wed, Feb 16, 2022 at 6:43 PM Richards Michael <[REDACTED]@ntsb.gov> wrote:

Hi Lora, would you mind asking Chet one more question? Look at the METAR below and the **lhnnn** field bolded. So I am strongly presuming there has been no ice accretion here, but I want to make sure that it is not saying there was a trace accretion over last hour. I can't imagine there would have been, but why would it, every hour, report no ice accretion?

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METAR KMRH 131858Z AUTO 02013G18KT 10SM -RA OVC009 07/06 A2993 RMK AO2 CIG  
006V012 SLP137 P0002 I1000 T00720061 TSNO=
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Thanks for any help,

Mike

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