

Weather Study – Attachment 1

PADU AWOS one minute data

METEOROLOGY

DCA20MA002

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

10/17/2019 17:00:31 1-MIN PADU 180200Z 28014G27KT 2 1/2SM -RA FEW017 SCT026
BKN037 06/02 A2953 380 79 -600 270/14G27 RMK AO2 VIS 1 1/2V5 P0001
10/17/2019 16:59:31 1-MIN PADU 180159Z 29015G27KT 3SM -RA FEW017 SCT026
BKN037 06/02 A2953 380 79 -600 280/15G27 RMK AO2 P0001
10/17/2019 16:58:31 1-MIN PADU 180158Z 29016G27KT 3SM -RA FEW017 SCT026
OVC037 06/02 A2953 380 79 -600 280/16G27 RMK AO2 P0000
10/17/2019 16:57:31 1-MIN PADU 180157Z 30019G27KT 4SM -RA FEW017 SCT026
OVC039 06/02 A2953 380 79 -600 290/19G27 RMK AO2 P0000
10/17/2019 16:56:31 1-MIN PADU 180156Z 30021G27KT 5SM -RA BKN039 06/02 A2953
380 76 -600 290/21G27 RMK AO2 PK WND 30027/0154 RAB41 SLP004 P0002 T00560017
10/17/2019 16:55:31 1-MIN PADU 180155Z 29022G27KT 7SM -RA BKN039 06/02 A2953
380 76 -600 280/22G27 RMK AO2 PK WND 30027/0154 RAB41 SLP004 P0001 T00560017
10/17/2019 16:54:31 1-MIN PADU 180154Z 30021G27KT 10SM -RA BKN039 06/02 A2953
380 76 -600 290/21G27 RMK AO2 PK WND 30027/0154 RAB41 SLP003 P0001 T00560017
10/17/2019 16:53:31 1-MIN PADU 180153Z 30017G23KT 10SM -RA BKN039 06/02 A2953
380 76 -600 290/17G23 RMK AO2 RAB41 SLP003 P0001 T00560017
10/17/2019 16:52:31 1-MIN PADU 180152Z 30015G19KT 10SM -RA BKN039 06/02 A2953
380 76 -600 290/15G19 RMK AO2 RAB41 SLP003 P0001 T00560017
10/17/2019 16:51:31 1-MIN PADU 180151Z 31014KT 10SM -RA BKN039 06/02 A2953 380
76 -600 300/14 RMK AO2 RAB41 SLP003 P0001 T00560017
10/17/2019 16:50:31 1-MIN PADU 180150Z 31013KT 10SM -RA BKN039 06/02 A2952 380
76 -600 300/13 RMK AO2 RAB41 SLP002 P0001 T00560017
10/17/2019 16:49:31 1-MIN PADU 180149Z 32010KT 10SM -RA BKN039 06/02 A2952 390
76 -600 310/10 RMK AO2 RAB41 P0001
10/17/2019 16:48:31 1-MIN PADU 180148Z 31009KT 9SM -RA BKN039 06/02 A2952 390
76 -600 300/09 RMK AO2 RAB41 P0001
10/17/2019 16:47:31 1-MIN PADU 180147Z 30009KT 9SM -RA BKN039 06/02 A2952 390
76 -600 290/09 RMK AO2 RAB41 P0001
10/17/2019 16:46:31 1-MIN PADU 180146Z 30011G25KT 9SM -RA BKN039 06/02 A2952
390 73 -500 290/11G25 RMK AO2 RAB41 P0001
10/17/2019 16:45:31 1-MIN PADU 180145Z 31013G25KT 9SM -RA BKN039 06/02 A2952
390 73 -500 300/13G25 RMK AO2 RAB41 P0001
10/17/2019 16:44:31 1-MIN PADU 180144Z 32014G25KT 9SM -RA BKN039 06/02 A2952
390 73 -500 310/14G25 RMK AO2 RAB41 P0001
10/17/2019 16:43:31 1-MIN PADU 180143Z 32017G25KT 9SM -RA BKN039 06/02 A2952
390 73 -500 310/17G25 RMK AO2 RAB41 P0000
10/17/2019 16:42:31 1-MIN PADU 180142Z 32019G25KT 9SM -RA BKN039 06/02 A2952
390 73 -500 310/19G25 RMK AO2 RAB41 P0000
10/17/2019 16:41:31 1-MIN PADU 180141Z 31019G25KT 9SM -RA BKN039 07/02 A2952
390 70 -400 300/19G25 RMK AO2 RAB41 P0000
10/17/2019 16:40:31 1-MIN PADU 180140Z 31020G25KT 9SM BKN039 07/02 A2952 390 70
-400 300/20G25 RMK AO2
10/17/2019 16:39:31 1-MIN PADU 180139Z 31023KT 10SM BKN039 07/02 A2952 390 68 -
400 300/23 RMK AO2 PRESRR
10/17/2019 16:38:31 1-MIN PADU 180138Z 30022G25KT 10SM BKN039 07/02 A2952 390
68 -400 290/22G25 RMK AO2 PRESRR

10/17/2019 16:37:31 1-MIN PADU 180137Z 30017G24KT 10SM BKN039 08/02 A2952 390
65 -300 290/17G24 RMK AO2
10/17/2019 16:36:31 1-MIN PADU 180136Z 31012G24KT 10SM BKN039 08/01 A2952 390
62 -300 300/12G24 RMK AO2
10/17/2019 16:35:31 1-MIN PADU 180135Z 29009G17KT 250V320 10SM BKN039 08/01
A2951 390 62 -300 280/09G17 240V310 RMK AO2
10/17/2019 16:34:31 1-MIN PADU 180134Z 27010G17KT 10SM BKN039 08/01 A2951 390
62 -300 260/10G17 RMK AO2
10/17/2019 16:33:31 1-MIN PADU 180133Z 27012G17KT 10SM BKN039 08/01 A2951 390
60 -300 260/12G17 RMK AO2
10/17/2019 16:32:31 1-MIN PADU 180132Z 26012G17KT 10SM BKN039 08/01 A2951 400
60 -300 250/12G17 RMK AO2
10/17/2019 16:31:31 1-MIN PADU 180131Z 26015KT 10SM BKN039 08/01 A2951 400 60 -
300 250/15 RMK AO2
10/17/2019 16:30:31 1-MIN PADU 180130Z 24016KT 10SM BKN039 08/01 A2951 400 60 -
300 230/16 RMK AO2
10/17/2019 16:29:31 1-MIN PADU 180129Z 23015KT 10SM BKN039 08/01 A2950 400 60 -
300 220/15 RMK AO2
10/17/2019 16:28:31 1-MIN PADU 180128Z 24014G17KT 10SM BKN039 08/01 A2950 400
60 -300 230/14G17 RMK AO2
10/17/2019 16:27:31 1-MIN PADU 180127Z 25013G17KT 10SM BKN039 08/01 A2951 400
62 -300 240/13G17 RMK AO2
10/17/2019 16:26:31 1-MIN PADU 180126Z 25011G17KT 10SM BKN039 08/01 A2950 400
62 -300 240/11G17 RMK AO2
10/17/2019 16:25:31 1-MIN PADU 180125Z 22010G15KT 170V260 10SM BKN039 08/01
A2950 400 62 -300 210/10G15 160V250 RMK AO2
10/17/2019 16:24:31 1-MIN PADU 180124Z 20010G15KT 10SM BKN039 08/01 A2950 410
62 -300 190/10G15 RMK AO2
10/17/2019 16:23:31 1-MIN PADU 180123Z 20008KT 10SM BKN039 08/01 A2950 410 62 -
300 190/08 RMK AO2
10/17/2019 16:22:31 1-MIN PADU 180122Z VRB06KT 10SM BKN039 08/01 A2950 400 62 -
300 VRB/06 RMK AO2
10/17/2019 16:21:31 1-MIN PADU 180121Z VRB05KT 10SM BKN039 08/01 A2950 400 62 -
300 VRB/05 RMK AO2
10/17/2019 16:20:31 1-MIN PADU 180120Z 18008KT 10SM BKN039 08/01 A2950 410 62 -
300 170/08 RMK AO2
10/17/2019 16:19:31 1-MIN PADU 180119Z 18008KT 10SM BKN039 08/01 A2950 410 62 -
300 170/08 RMK AO2
10/17/2019 16:18:31 1-MIN PADU 180118Z 20007KT 10SM BKN039 08/01 A2950 410 62 -
300 190/07 RMK AO2
10/17/2019 16:17:31 1-MIN PADU 180117Z 21008KT 10SM BKN039 08/01 A2950 400 62 -
300 200/08 RMK AO2
10/17/2019 16:16:31 1-MIN PADU 180116Z 21008KT 10SM BKN039 08/01 A2950 400 62 -
300 200/08 RMK AO2
10/17/2019 16:15:31 1-MIN PADU 180115Z 22007KT 200V290 10SM BKN043 08/01 A2950
400 62 -300 210/07 190V280 RMK AO2

10/17/2019 16:14:31 1-MIN PADU 180114Z VRB04KT 10SM BKN043 08/01 A2950 400 62 -
300 VRB/04 RMK AO2
10/17/2019 16:13:31 1-MIN PADU 180113Z 29004KT 10SM BKN043 07/01 A2950 400 65 -
300 280/04 RMK AO2
10/17/2019 16:12:31 1-MIN PADU 180112Z VRB06KT 10SM BKN043 07/01 A2950 400 65 -
300 VRB/06 RMK AO2
10/17/2019 16:11:31 1-MIN PADU 180111Z 25009KT 210V270 10SM BKN043 07/01 A2951
400 65 -300 240/09 200V260 RMK AO2
10/17/2019 16:10:31 1-MIN PADU 180110Z 21009KT 180V250 10SM BKN043 07/01 A2950
400 65 -300 200/09 170V240 RMK AO2
10/17/2019 16:09:31 1-MIN PADU 180109Z 20010G14KT 10SM BKN043 08/01 A2950 400
62 -300 190/10G14 RMK AO2
10/17/2019 16:08:31 1-MIN PADU 180108Z 20011G14KT 10SM BKN043 08/01 A2950 400
62 -300 190/11G14 RMK AO2
10/17/2019 16:07:31 1-MIN PADU 180107Z 21008G14KT 10SM BKN043 08/01 A2950 400
62 -300 200/08G14 RMK AO2
10/17/2019 16:06:31 1-MIN PADU 180106Z 22006G14KT 10SM BKN043 08/01 A2950 400
62 -300 210/06G14 RMK AO2
10/17/2019 16:05:31 1-MIN PADU 180105Z VRB06G14KT 10SM BKN043 08/01 A2950 400
62 -300 VRB/06G14 RMK AO2
10/17/2019 16:04:31 1-MIN PADU 180104Z 27007G14KT 210V300 10SM BKN043 07/01
A2950 400 65 -300 260/07G14 200V290 RMK AO2
10/17/2019 16:03:31 1-MIN PADU 180103Z 28009G14KT 10SM BKN043 07/01 A2950 400
65 -300 270/09G14 RMK AO2
10/17/2019 16:02:31 1-MIN PADU 180102Z 27010G14KT 10SM BKN043 07/01 A2950 400
65 -300 260/10G14 RMK AO2
10/17/2019 16:01:31 1-MIN PADU 180101Z 27010G14KT 10SM BKN043 07/01 A2950 410
65 -300 260/10G14 RMK AO2
10/17/2019 16:00:31 1-MIN PADU 180100Z 27008G14KT 10SM BKN043 07/01 A2950 400
65 -300 260/08G14 RMK AO2