

National Air Quality Focus Group Workshop

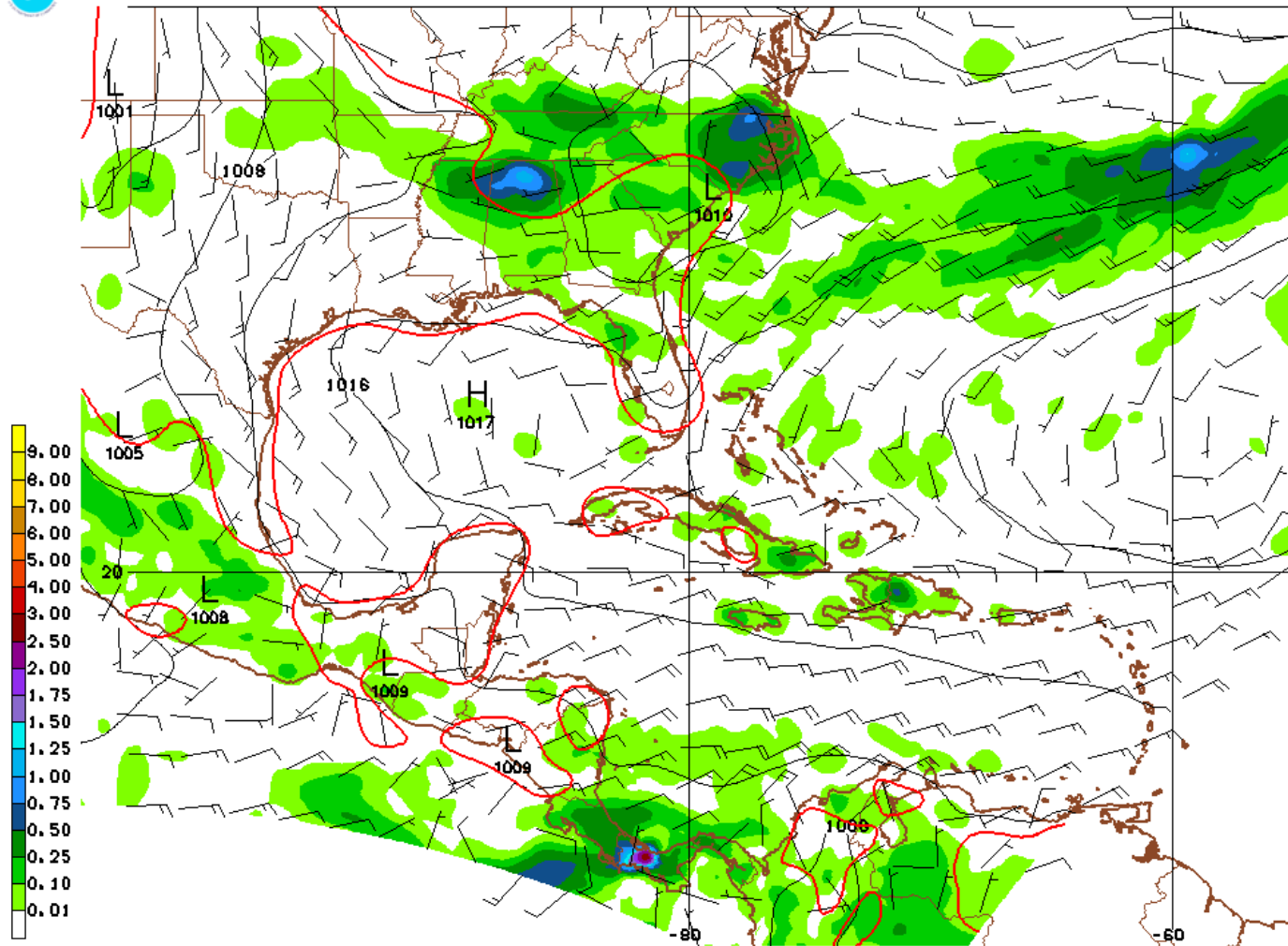
Dan Salkovitz

Virginia Department of Environmental Quality

July 23, 2015



07/22/15 12UTC 033HR FCST VALID THU 07/23/15 21UTC NCEP/NWS/NOAA



150723/2100V033 NAM MSLP 10M WND(KTS) 06HR PRCP(IN) 2M TEMP(C)

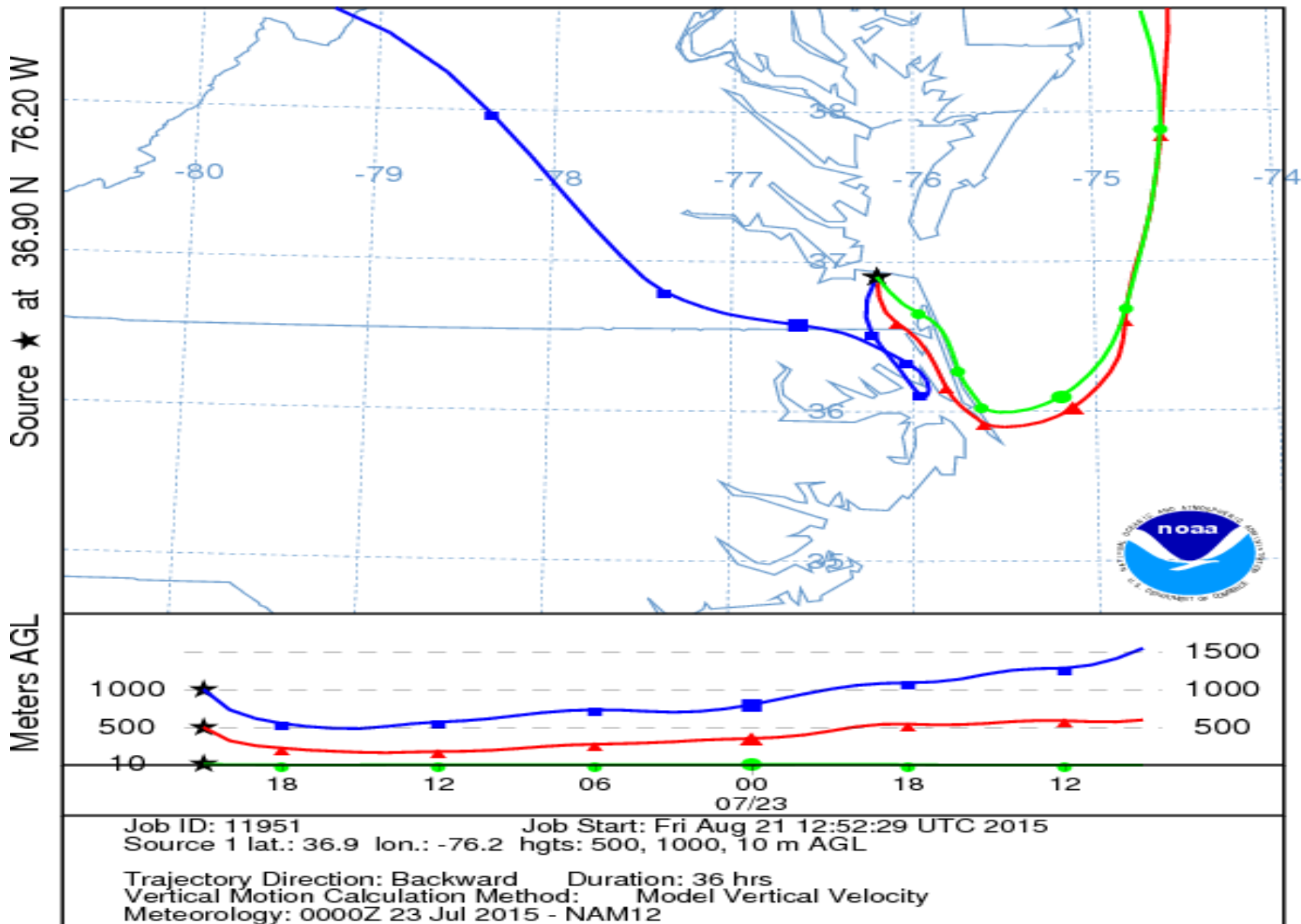
KORF NAM MOS GUIDANCE 7/22/2015 1200 UTC

DT	/JULY 22/JULY 23												/JULY 24						/JULY 25					
HR	18	21	00	03	06	09	12	15	18	21	00	03	06	09	12	15	18	21	00	06	12			
N/X							72					85			71			89		71				
TMP	85	85	80	76	74	73	76	82	83	81	77	75	73	72	76	82	87	87	81	74	76			
DPT	64	63	64	66	67	68	69	68	67	67	68	68	67	65	64	60	59	59	61	64	64			
CLD	CL	CL	CL	CL	SC	BK	OV	OV	OV	OV	OV	OV	OV	OV	FW	CL	FW	FW	CL	CL	CL			
WDR	03	04	13	20	21	22	24	04	06	12	15	15	08	06	05	04	05	05	12	16	03			
WSP	06	05	03	03	02	03	02	04	07	06	04	01	02	05	09	11	08	06	04	01	05			
P06			2		3		4		11		46		23		5		1		6	1	2			
P12							10				48				26				6		3			
Q06			0		0		0		0		3		0		0		0		0	0	0			
Q12							0				1				0				0		0			
T06			0/	0	0/	1	5/	1	17/	3	35/	7	18/	3	4/	1	0/	1	2/	4	2/	1		
T12					0/	1			17/	3			37/	8			5/	1		3/	5			
CIG	8	8	8	8	8	8	7	7	6	6	6	4	4	5	8	8	8	8	8	8	8			
VIS	7	7	7	7	7	7	7	7	6	6	7	7	7	7	7	7	7	7	7	7	7			
OBV	N	N	N	N	N	N	N	N	HZ	HZ	N	N	N	N	N	N	N	N	N	N	N			

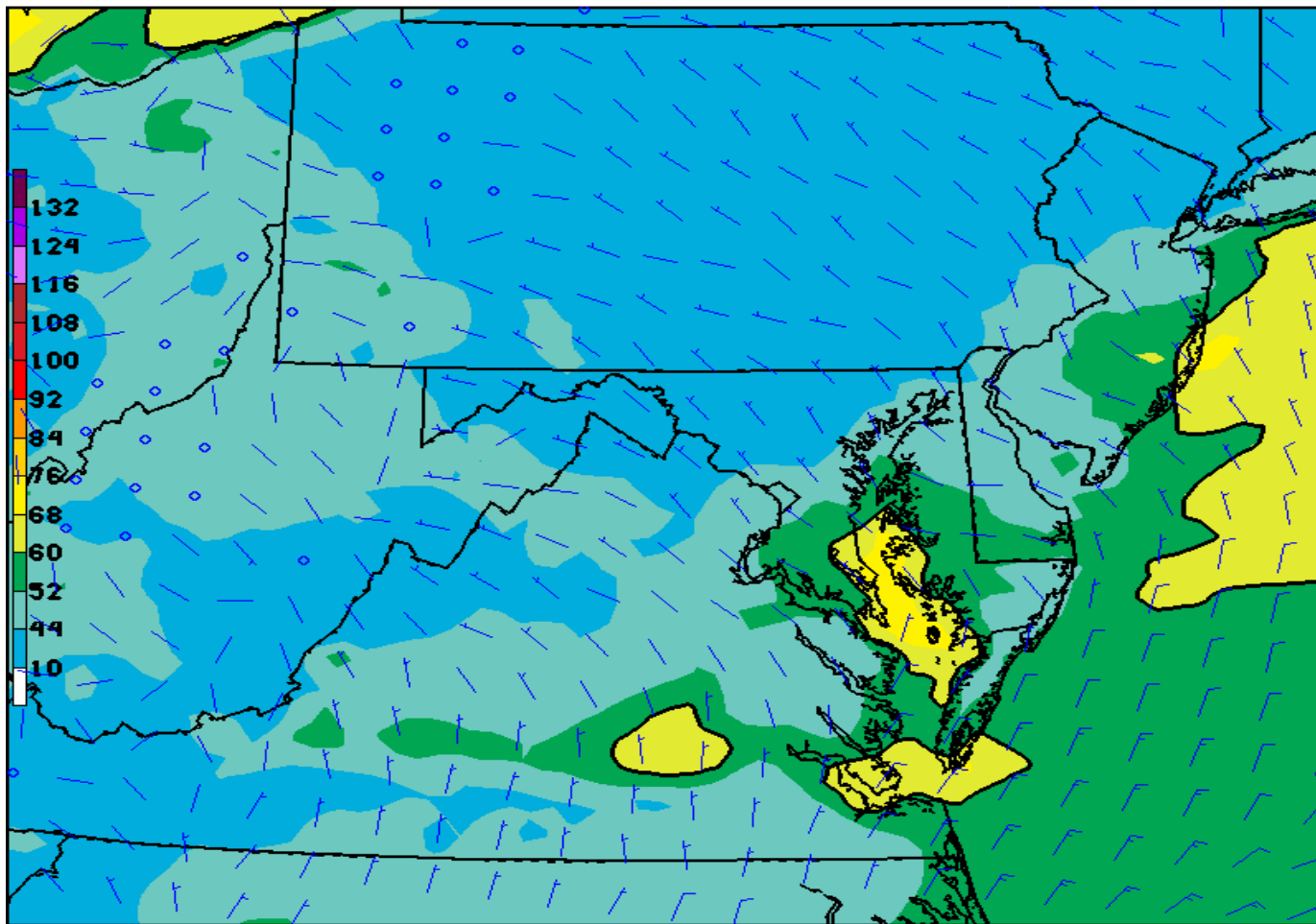
KORF GFS MOS GUIDANCE 7/22/2015 1200 UTC

DT	/JULY 22/JULY 23												/JULY 24						/JULY 25					
HR	18	21	00	03	06	09	12	15	18	21	00	03	06	09	12	15	18	21	00	06	12			
N/X							72					82			71			84		71				
TMP	85	85	80	76	74	73	76	79	80	77	74	74	73	73	75	80	82	82	78	73	75			
DPT	65	63	63	64	65	67	70	70	69	69	69	69	70	70	70	68	66	65	65	66	66			
CLD	FW	FW	FW	CL	CL	BK	OV	BK	OV	OV	OV	OV	OV	OV	SC	SC	FW	FW	CL	CL	CL			
WDR	02	02	12	17	18	18	13	09	08	13	15	18	16	11	07	03	04	06	11	05	03			
WSP	08	05	03	04	05	03	04	06	07	09	06	05	03	02	03	07	09	08	04	02	05			
P06			2		2		24		48		52		45		24		3		0	0	4			
P12							24				89				59				3		4			
Q06			0		0		0		2		4		4		0		0		0	0	0			
Q12							0				5				3				0		0			
T06			0/	0	4/	0	5/	0	20/	1	45/	10	28/	1	8/	0	1/	0	4/	0	0/	0		
T12					4/	0			25/	2			46/	10			8/	0		4/	0			
CIG	8	8	8	8	8	8	7	7	6	6	6	6	6	7	7	8	8	8	8	8	8			
VIS	5	5	6	6	7	5	5	5	7	7	7	7	7	7	5	7	7	7	7	7	7			
OBV	HZ	HZ	HZ	HZ	N	BR	BR	BR	N	N	N	N	N	N	HZ	N	N	N	N	N	N			

NOAA HYSPLIT MODEL
 Backward trajectories ending at 2100 UTC 23 Jul 15
 NAM Meteorological Data

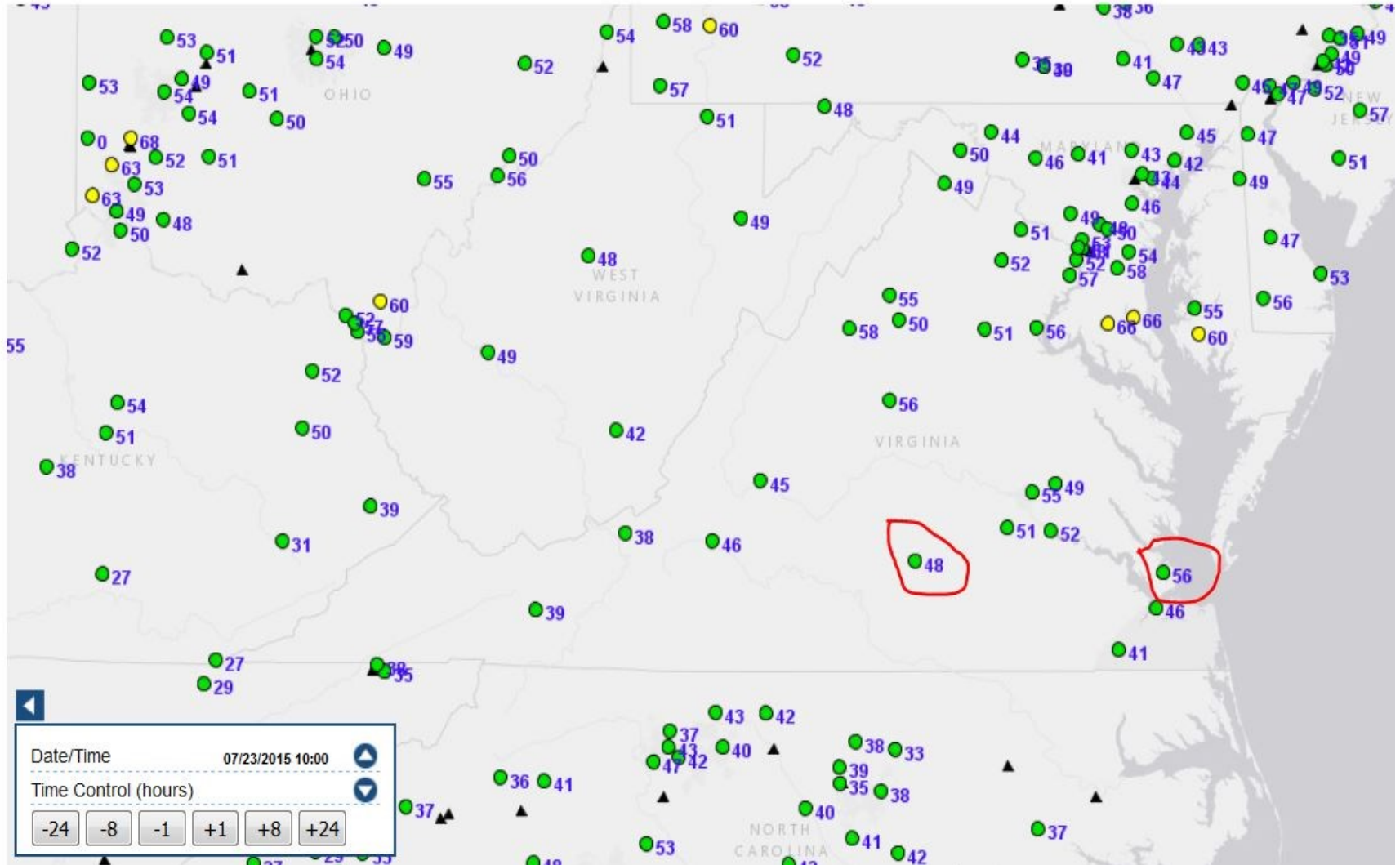


NOAA 12z Prod



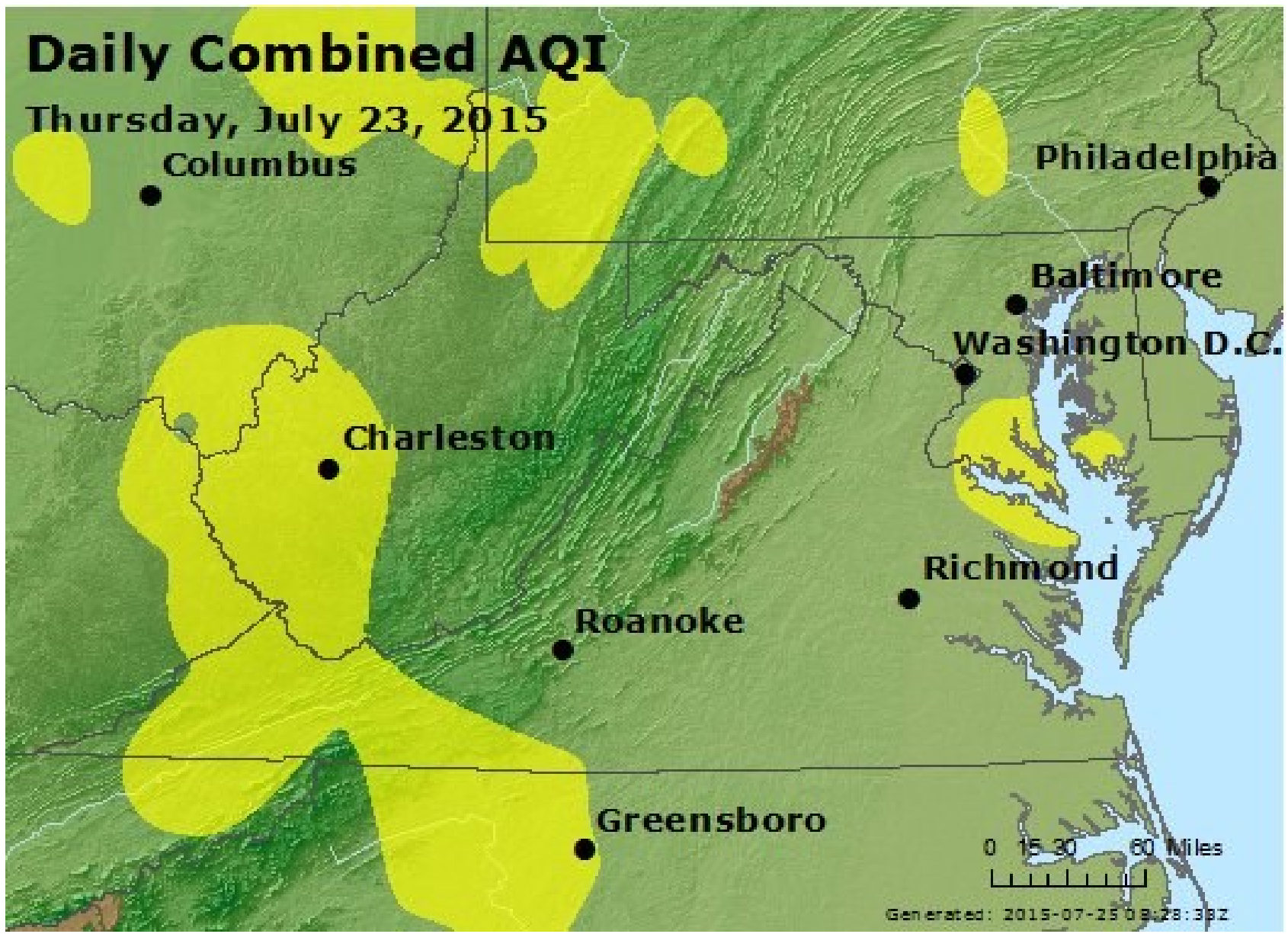
PROD AQH SFC DAY2 OZM08 20150722 12Z CYCLE -

July 23, 2015 8-hour ozone concentrations



Daily Combined AQI

Thursday, July 23, 2015



Generated: 2015-07-25 08:28:39Z

12z NOAA Ozone Model and Observed Ozone, Richmond, Virginia

