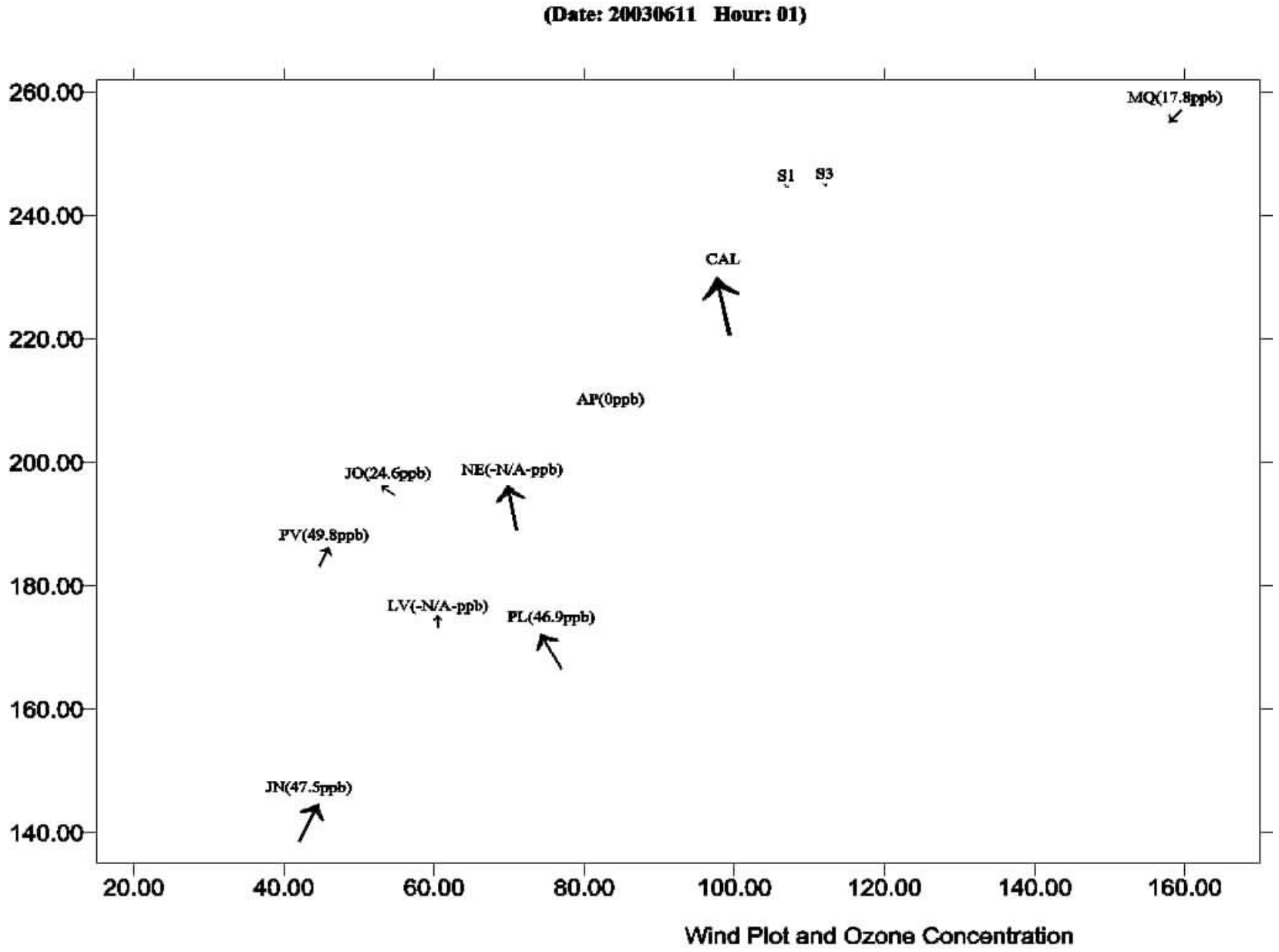
June 11– June 14, 2003 – Episode

- Plots provide ozone concentration and wind vectors

Monitoring Stations	
ID	**Description**
AP	Apex
JN	Jean
JO	Joe Neal
MQ	Mesquite
PL	Hendersen
PV	Palo Verde Scho
LV	Las Vegas Airport
NE	Nellis Air Force
S1	Reid Gardner 1
S3	Reid Gardner 3
CAL	CalWash 3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S3
CAL
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JO(24.6ppb)
NE(-N/A-ppb)
PV(49.8ppb)
LV(-N/A-ppb)
PL(46.9ppb)
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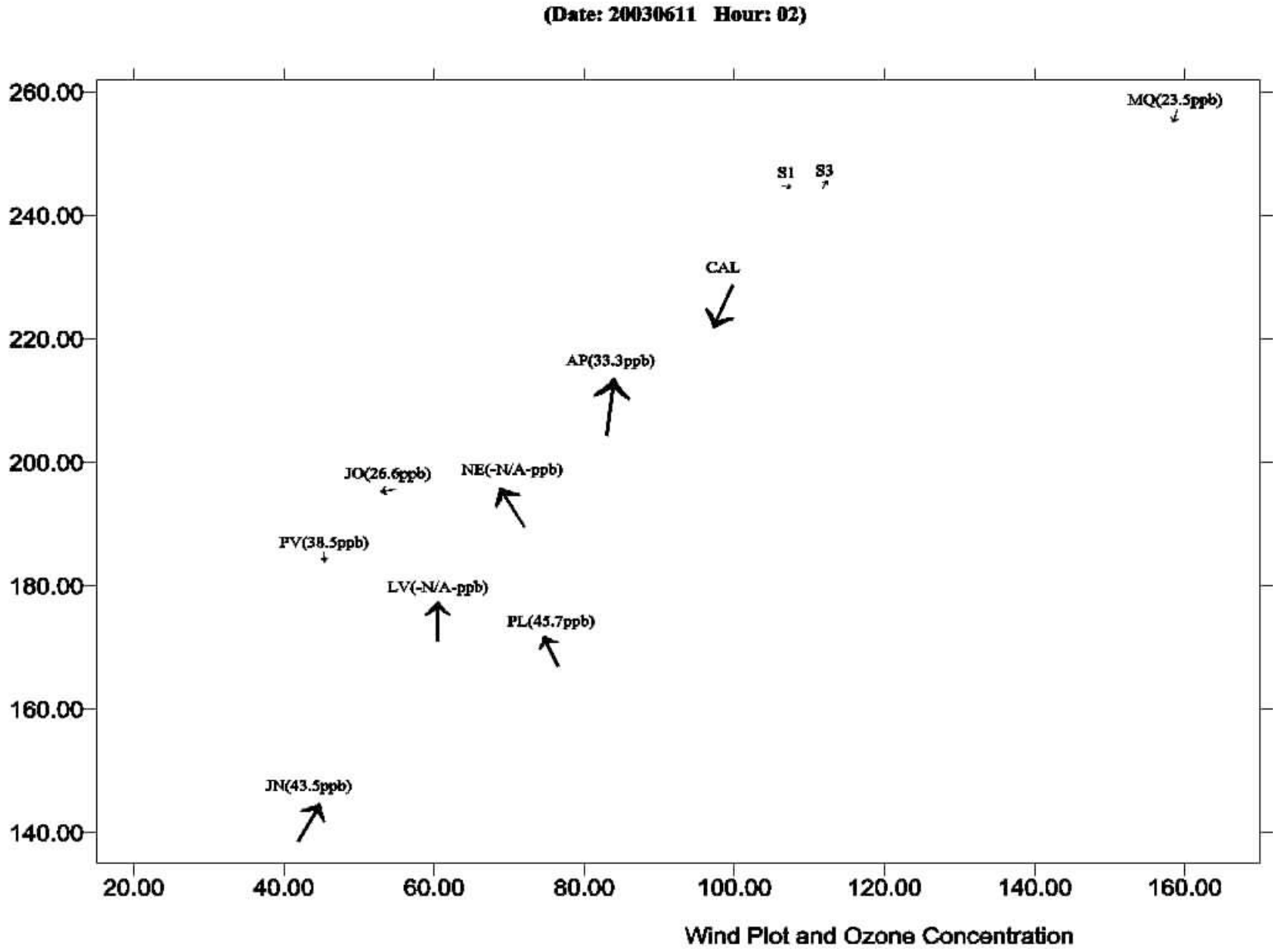
Wind Plot and Ozone Concentration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JO(26.6ppb)
NE(-N/A-ppb)
FV(38.5ppb)
LV(-N/A-ppb)
PL(45.7ppb)
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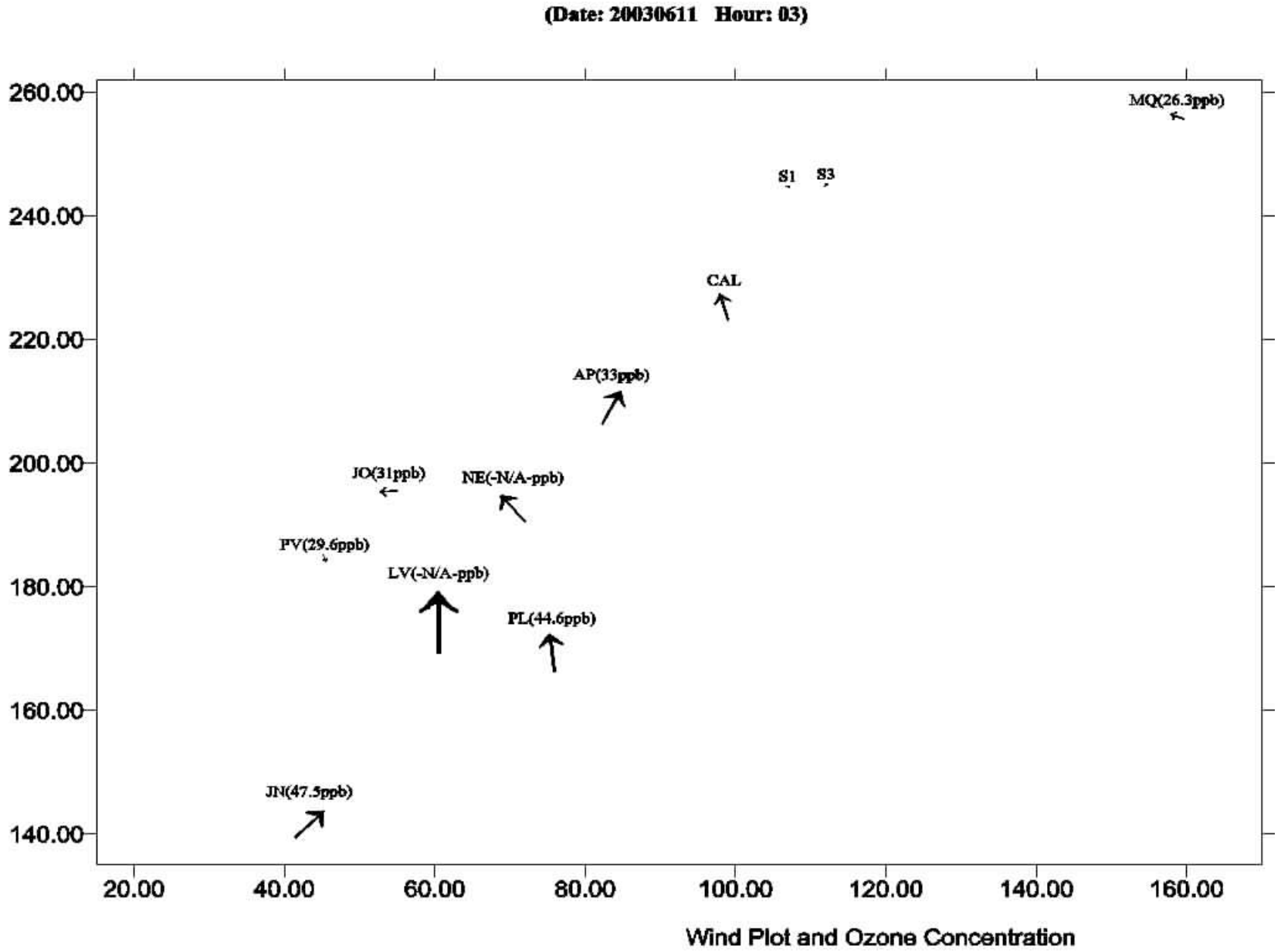
Wind Plot and Ozone Concentration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S1
S3
CAL
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JO(31ppb)
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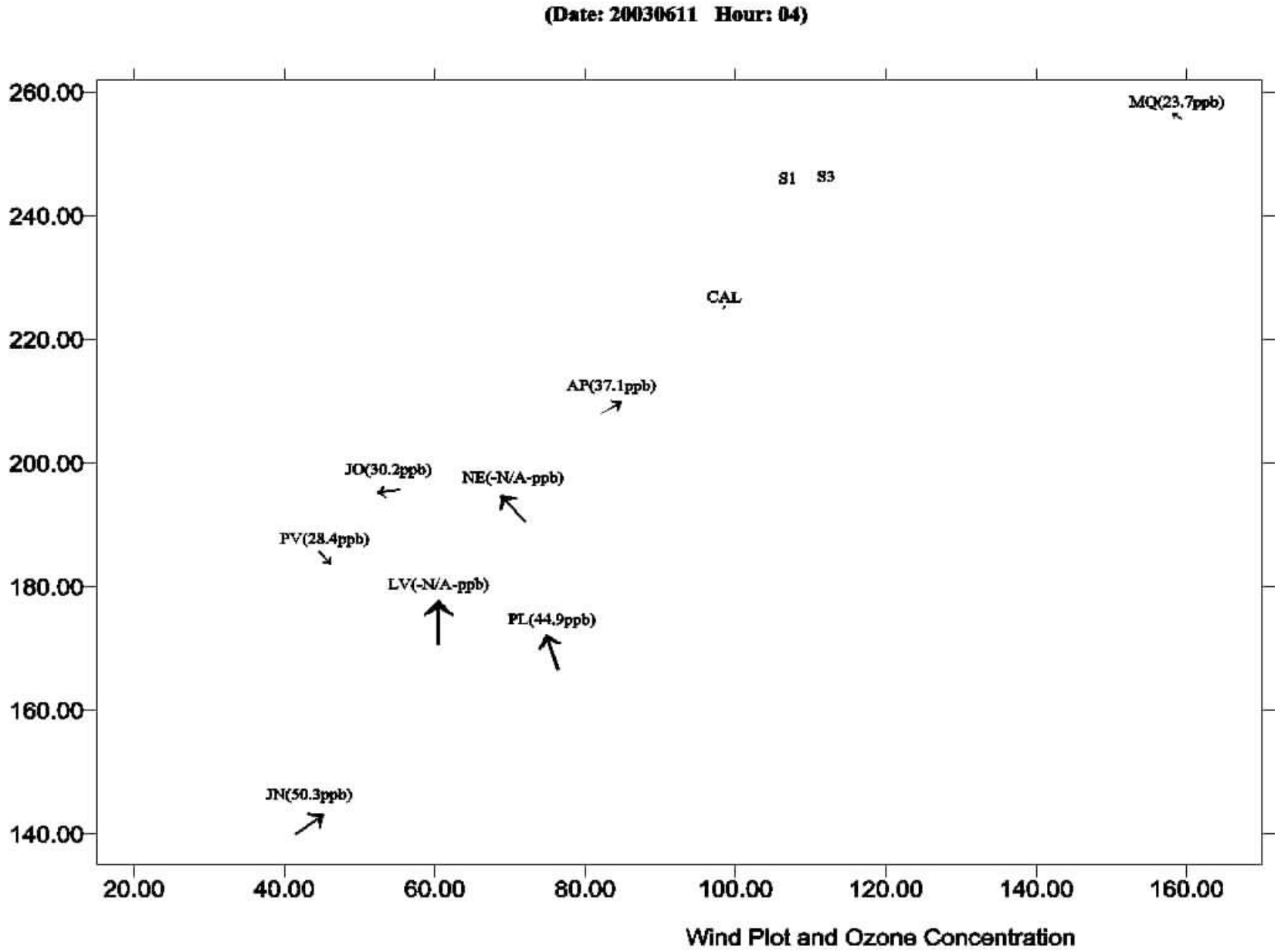
Wind Plot and Ozone Concentration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S1
S3
CAL
AP(37.1ppb)
JO(30.2ppb)
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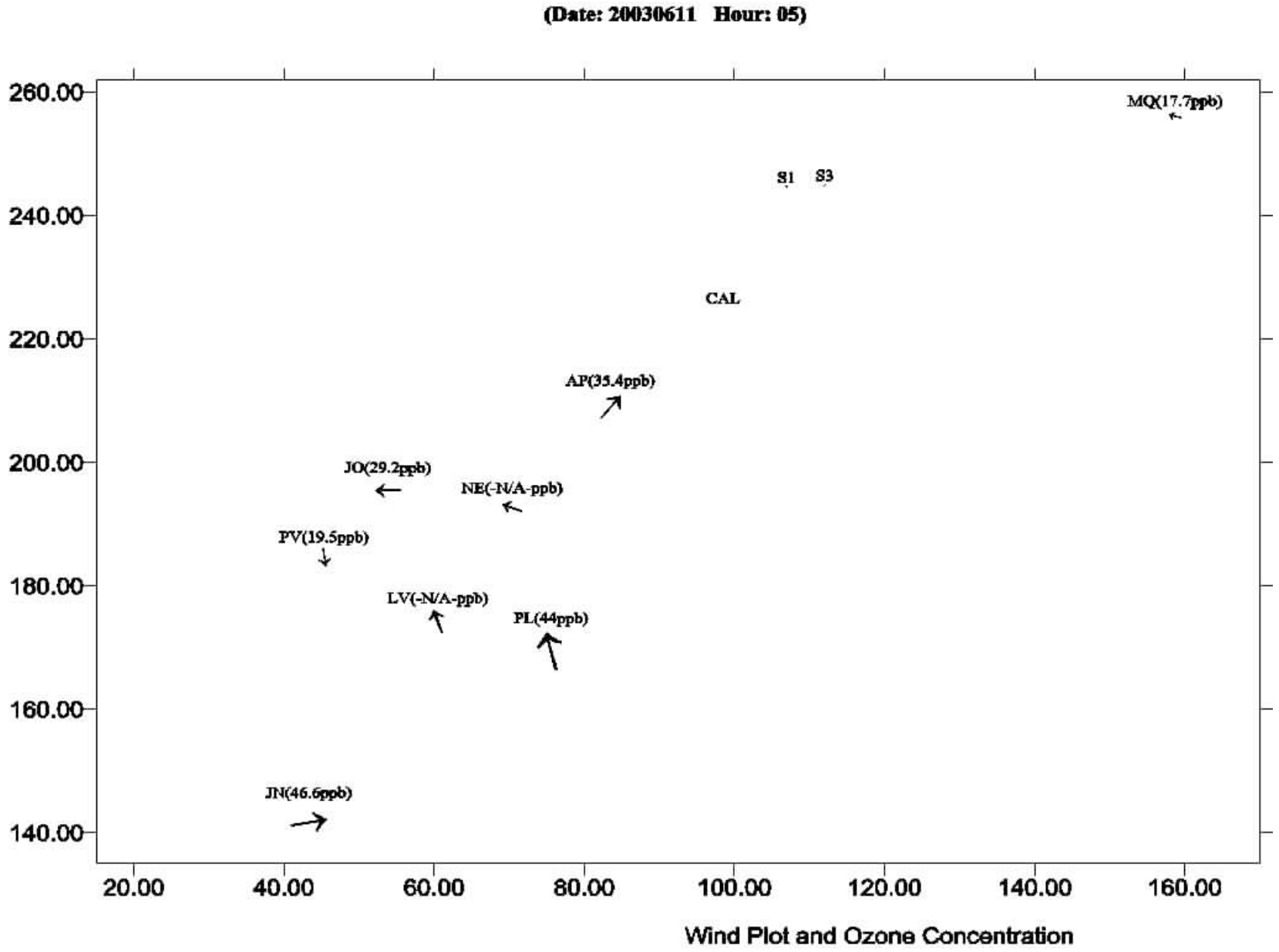
Wind Plot and Ozone Concentration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MQ(17.7ppb)
S1
S3
CAL
AP(35.4ppb)
JO(29.2ppb)
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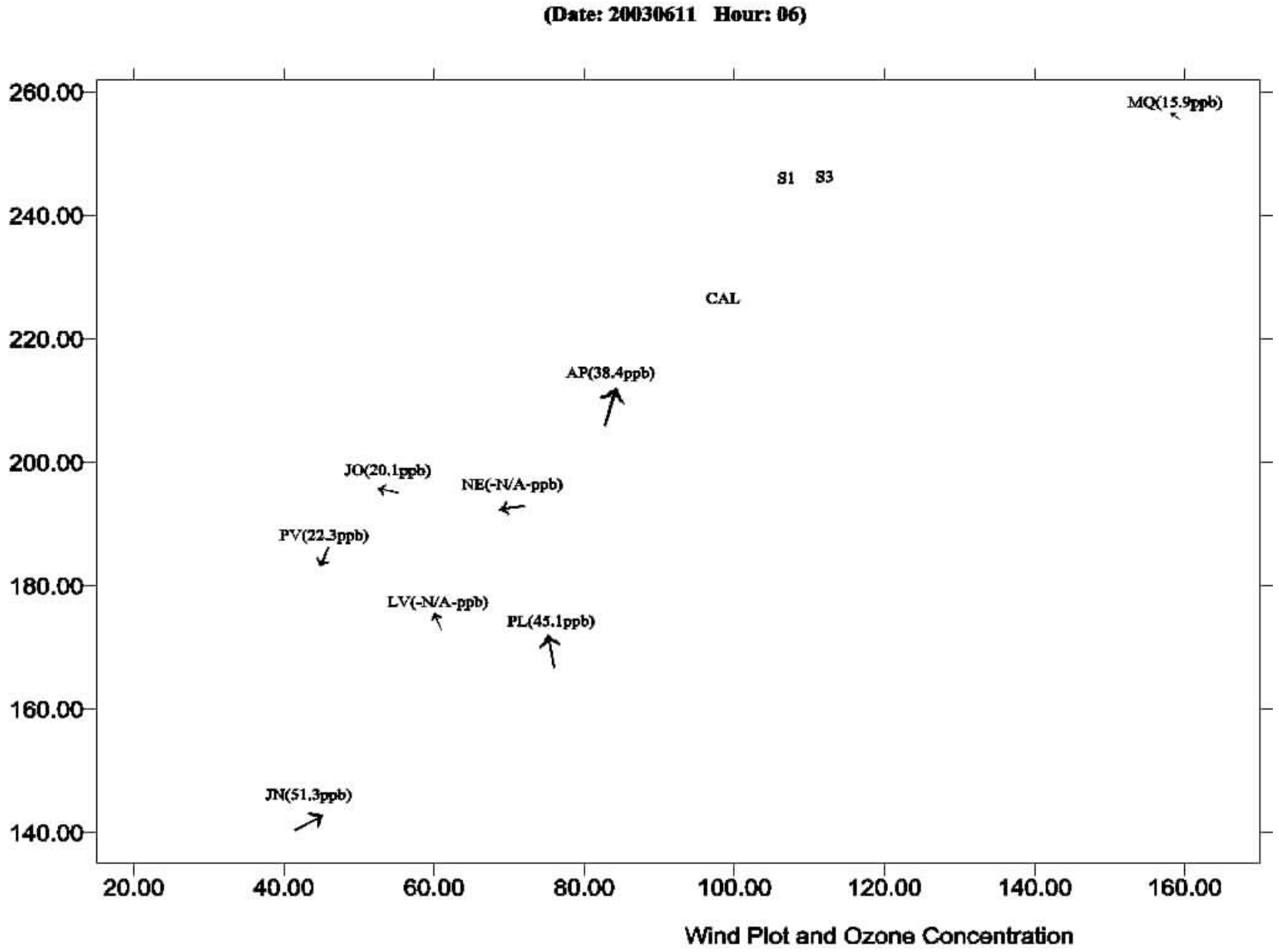
Wind Plot and Ozone Concentration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S1
S3
CAL
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JO(20.1ppb)
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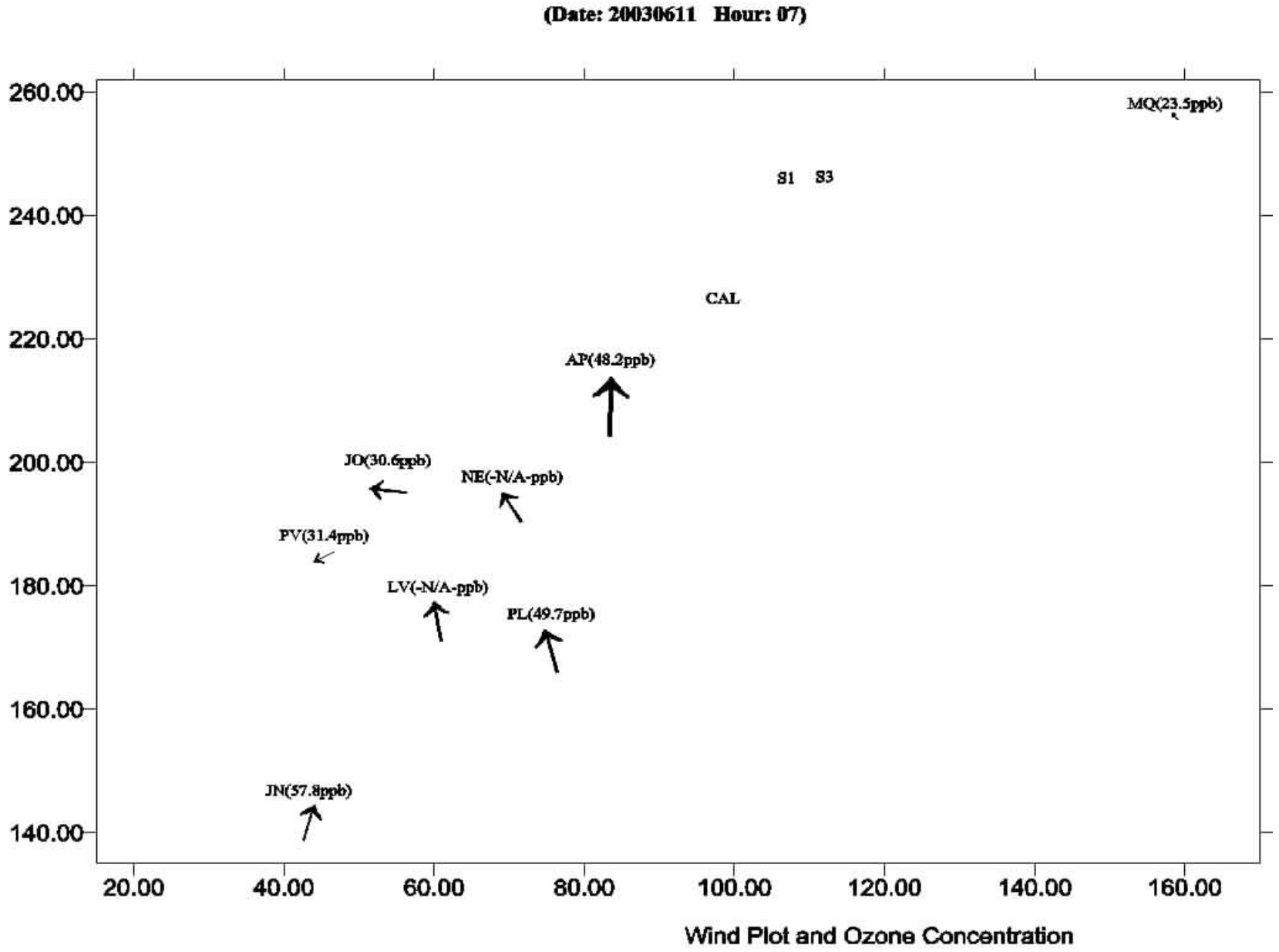
Wind Plot and Ozone Concentration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160.00
MQ(23.5ppb)
S1
S3
CAL
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JO(30.6ppb)
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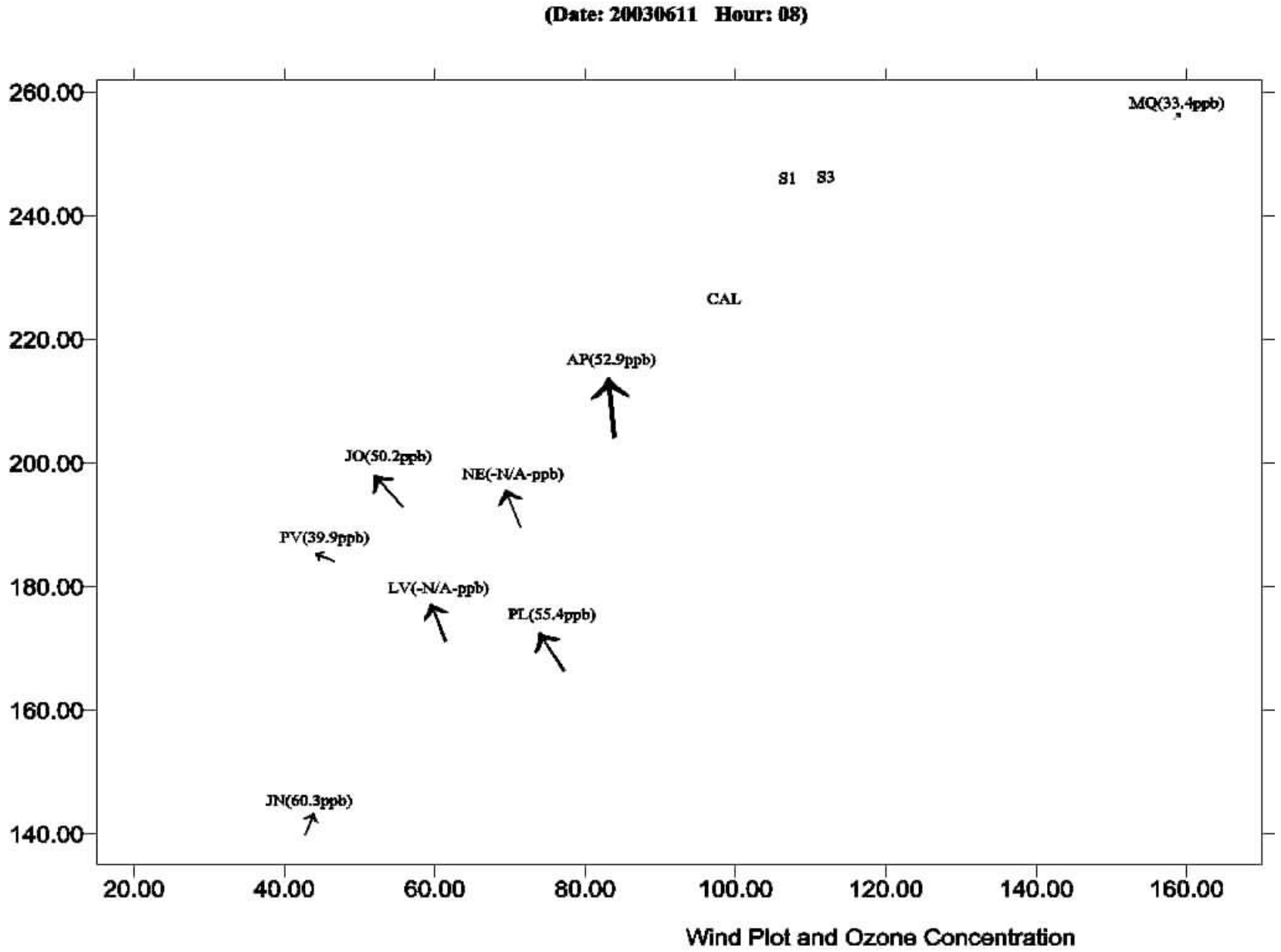
Wind Plot and Ozone Concentration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MQ(33.4ppb)
S1
S3
CAL
AP(52.9ppb)
JO(50.2ppb)
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PL(55.4ppb)
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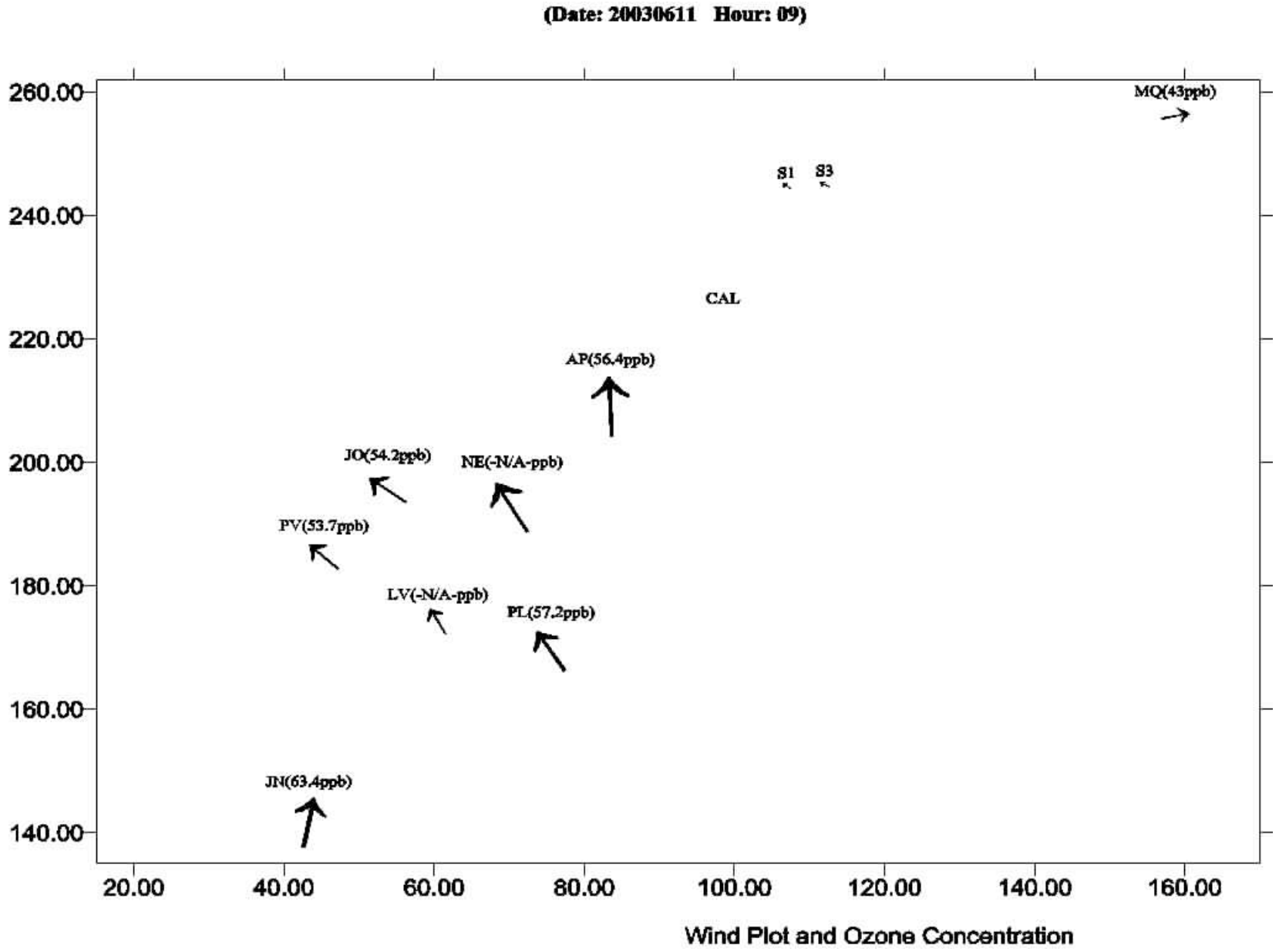
Wind Plot and Ozone Concentration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JO(54.2ppb)
NE(-N/A-ppb)
PV(53.7ppb)
LV(-N/A-ppb)
PL(57.2ppb)
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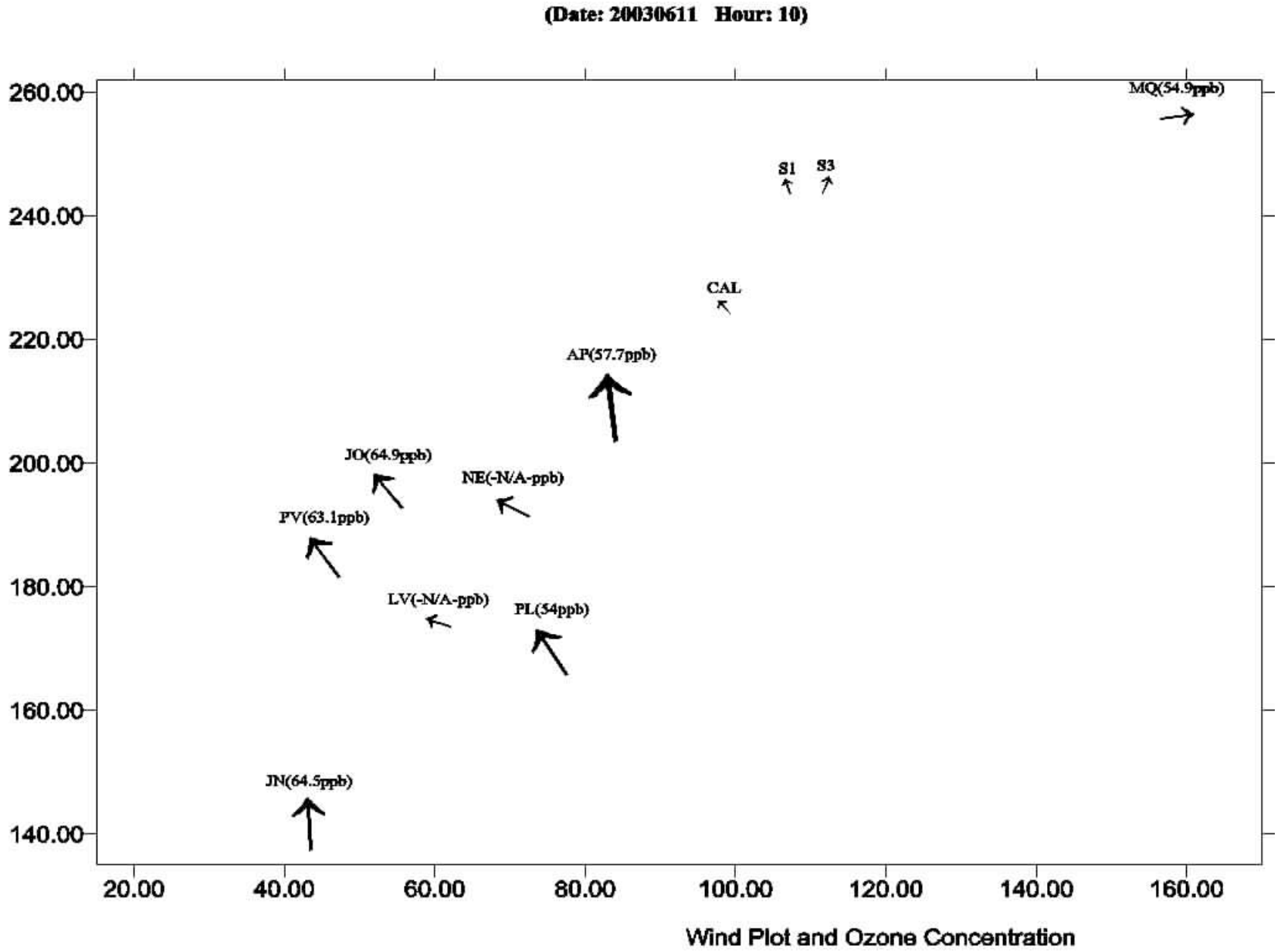
Wind Plot and Ozone Concentration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MQ(54.9ppb)
S1
S3
CAL
AP(57.7ppb)
JO(64.9ppb)
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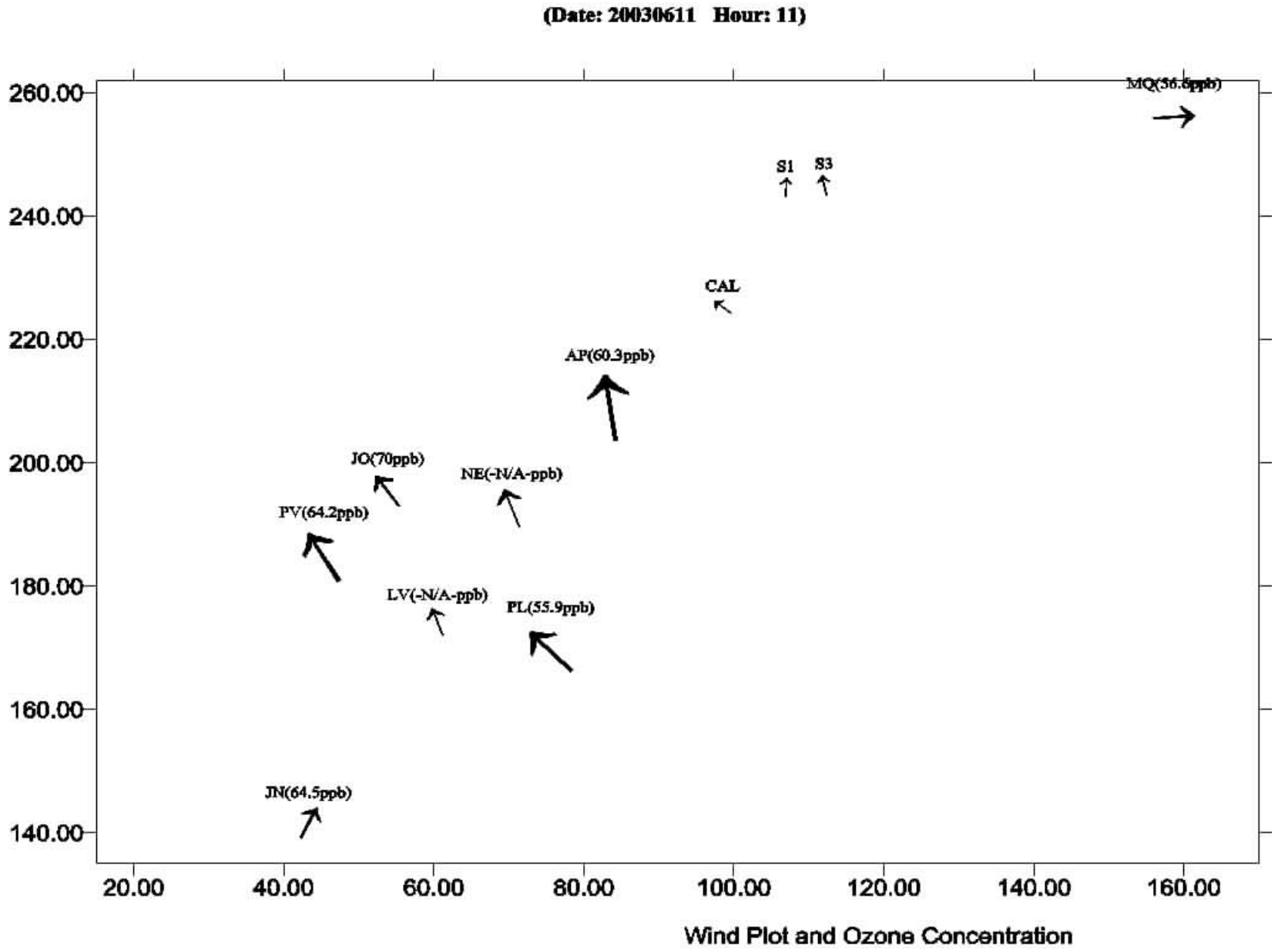
JN(64.5ppb)
Wind Plot and Ozone Concentration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S3
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JO(70ppb)
NE(-N/A-ppb)
PV(64.2ppb)
LV(-N/A-ppb)
PL(55.9ppb)
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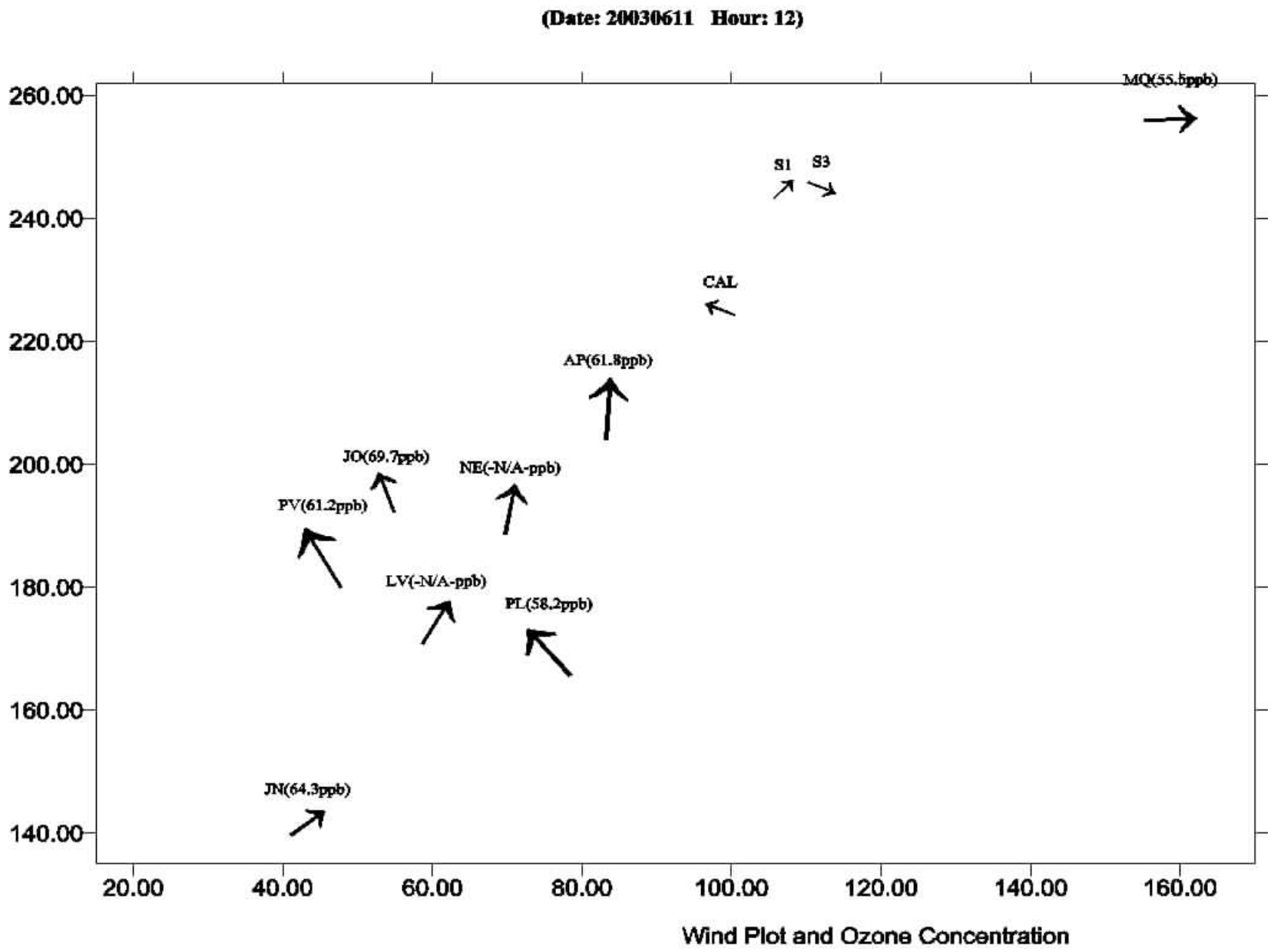
Wind Plot and Ozone Concentration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MQ(55.5ppb)
S1
S3
CAL
AP(61.8ppb)
JO(69.7ppb)
NE(-N/A-ppb)
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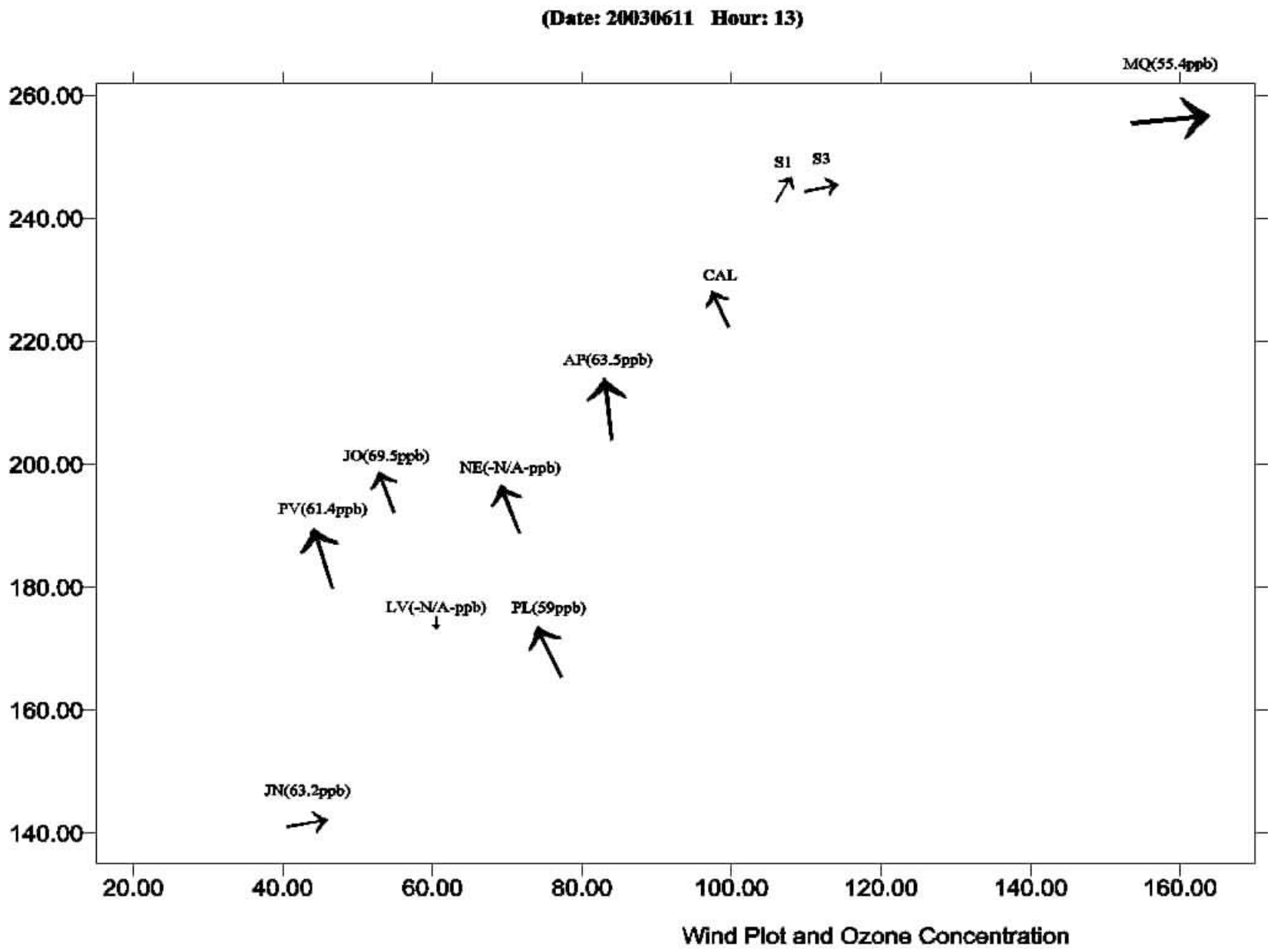
Wind Plot and Ozone Concentration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S3
CAL
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JO(69.5ppb)
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PV(61.4ppb)
LV(-N/A-ppb)
PL(59ppb)
JN(63.2ppb)
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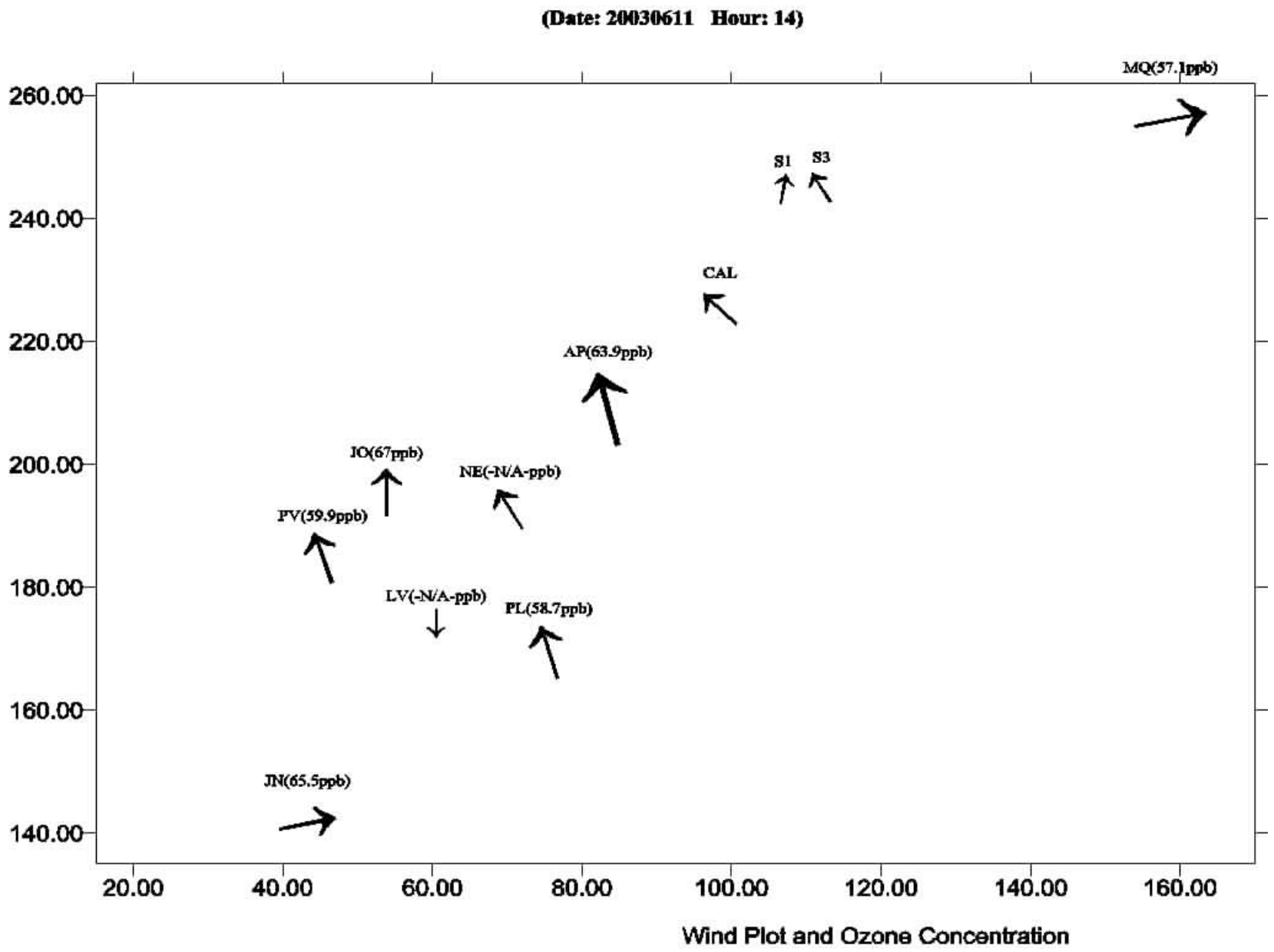
Wind Plot and Ozone Concentration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PL(58.7ppb)
JN(65.5ppb)
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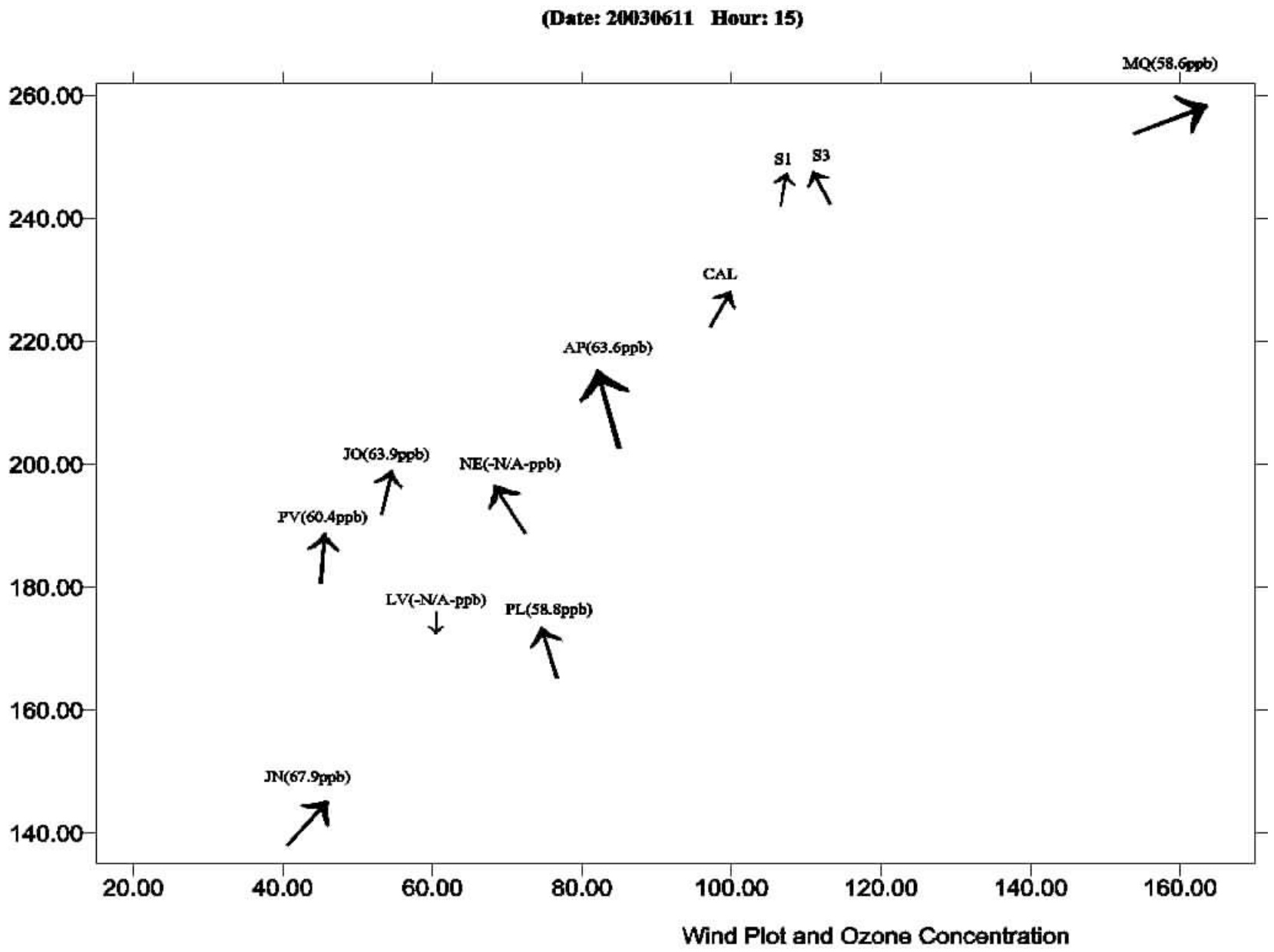
Wind Plot and Ozone Concentration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LV(-N/A-ppb)
PL(58.8ppb)
JN(67.9ppb)
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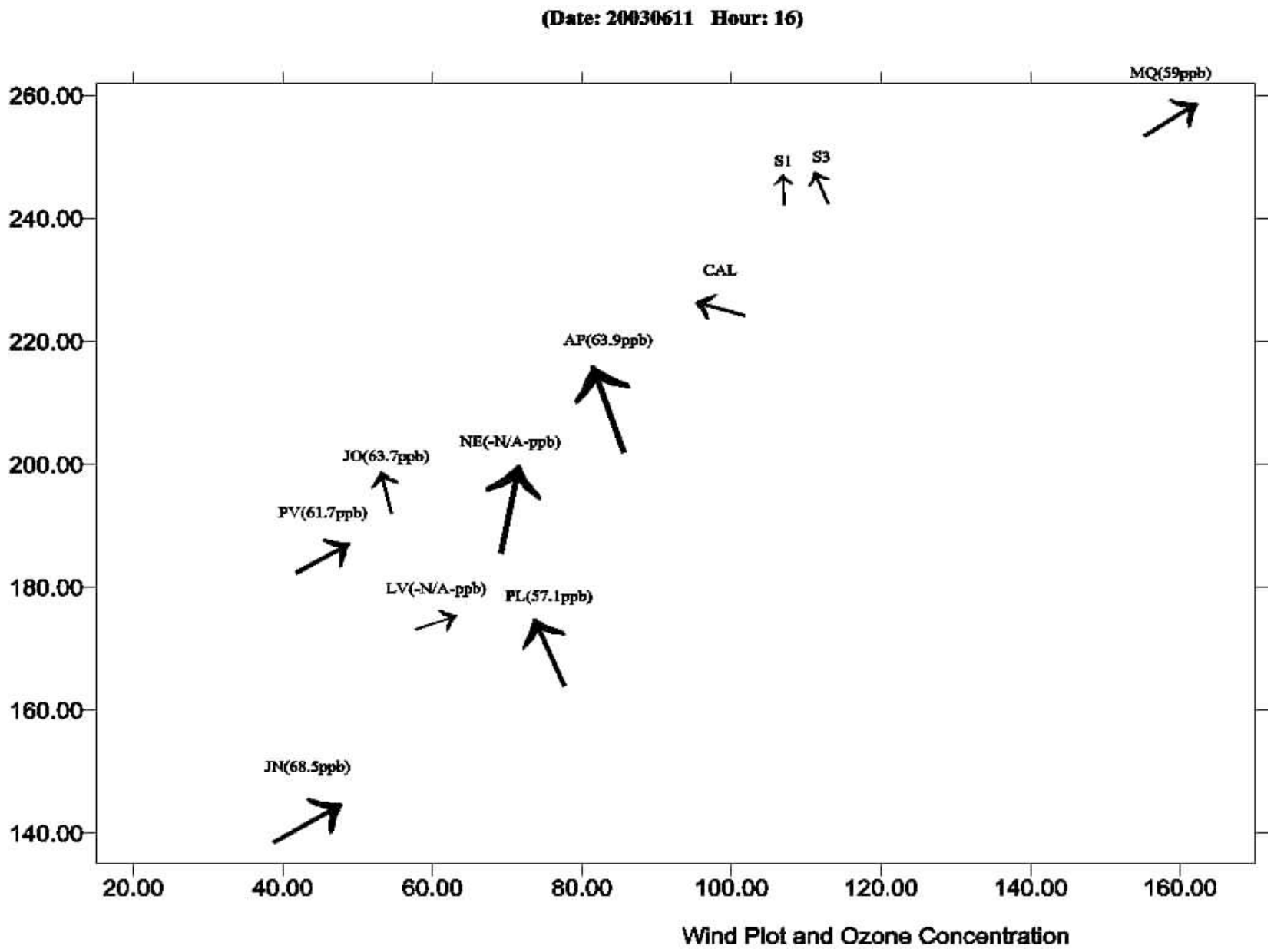
Wind Plot and Ozone Concentration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PL(57.1ppb)
JN(68.5ppb)
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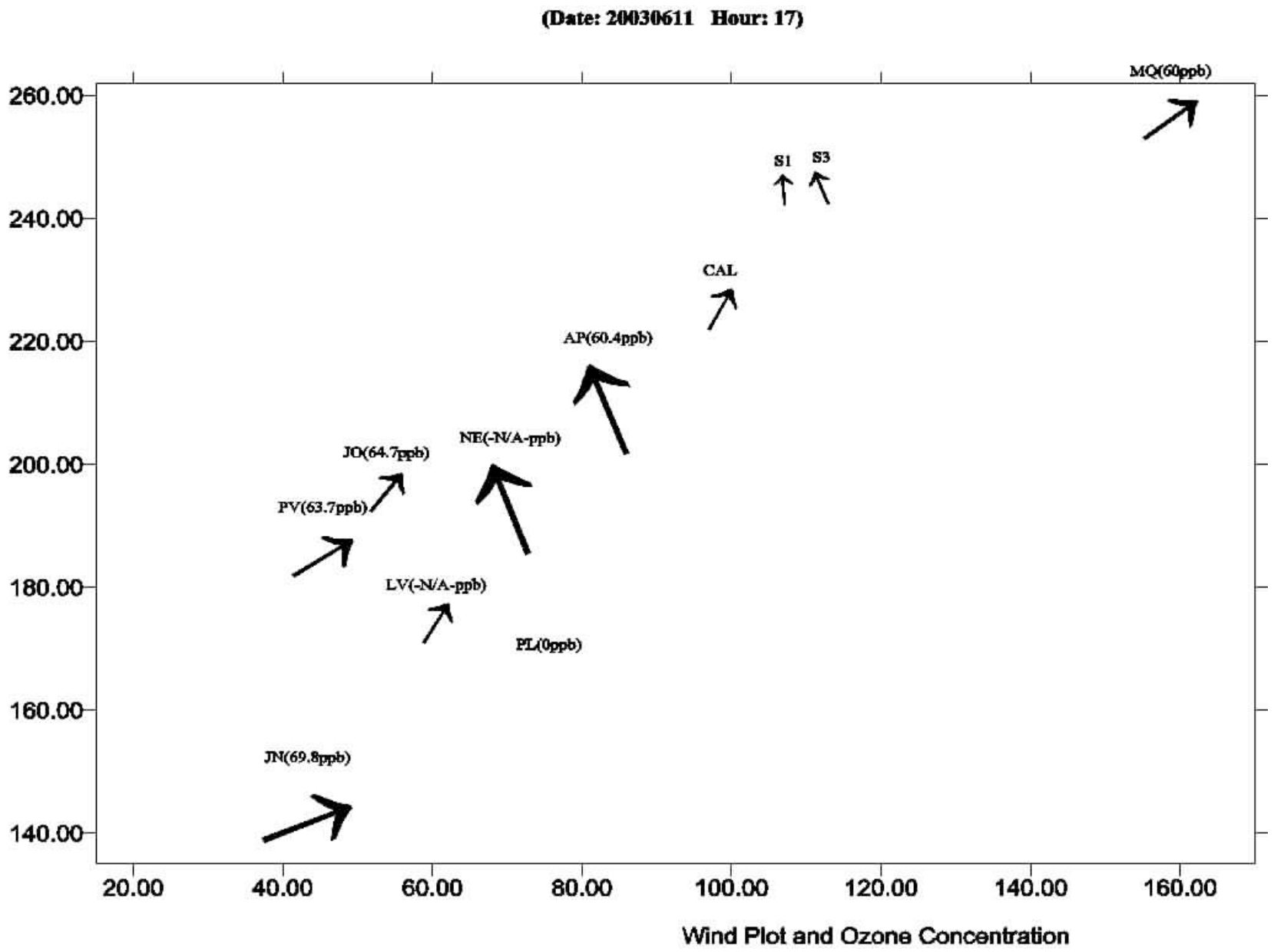
Wind Plot and Ozone Concentration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PL(0ppb)
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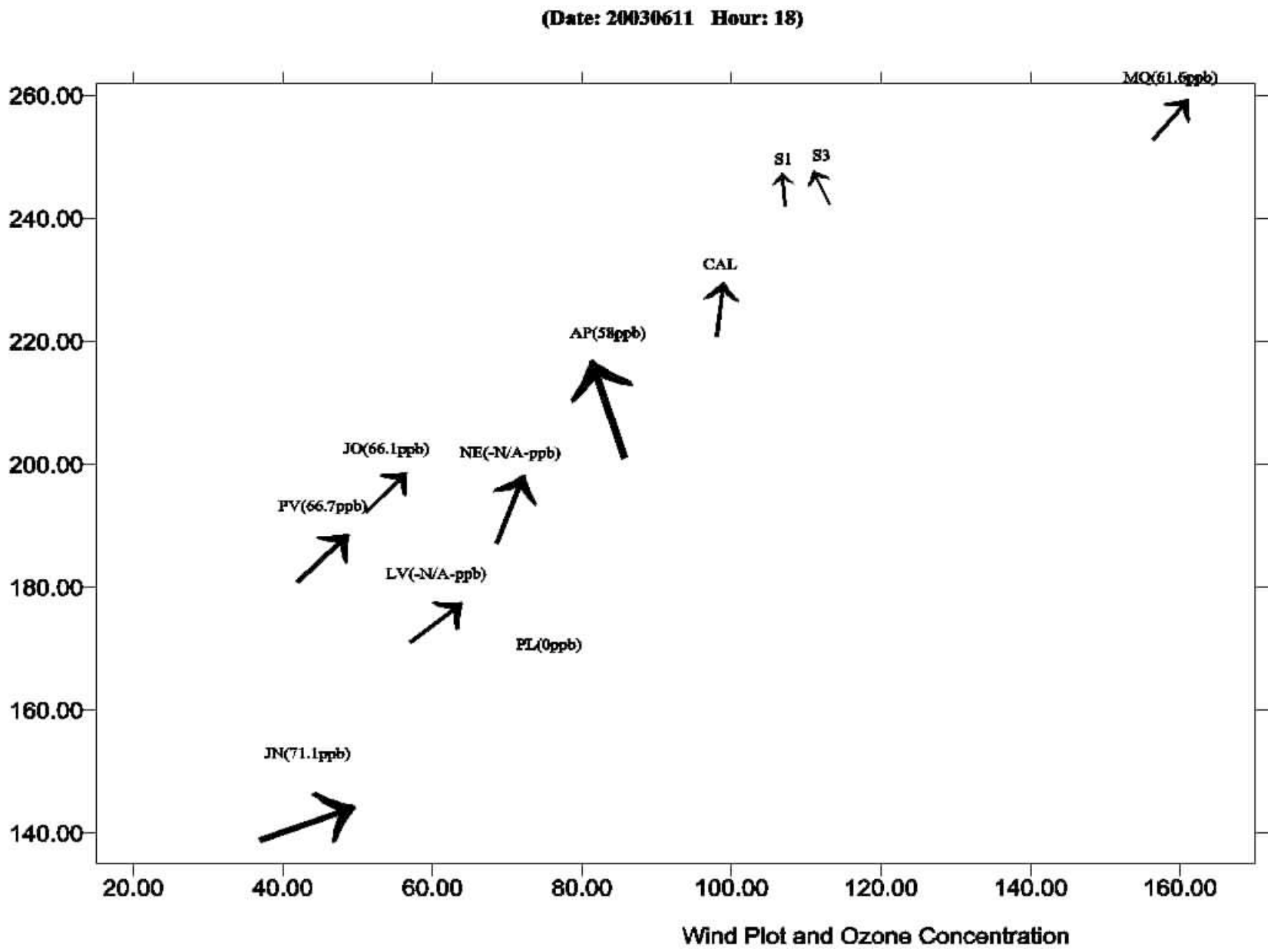
Wind Plot and Ozone Concentration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MQ(61.6ppb)
S1
S3
CAL
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JO(66.1ppb)
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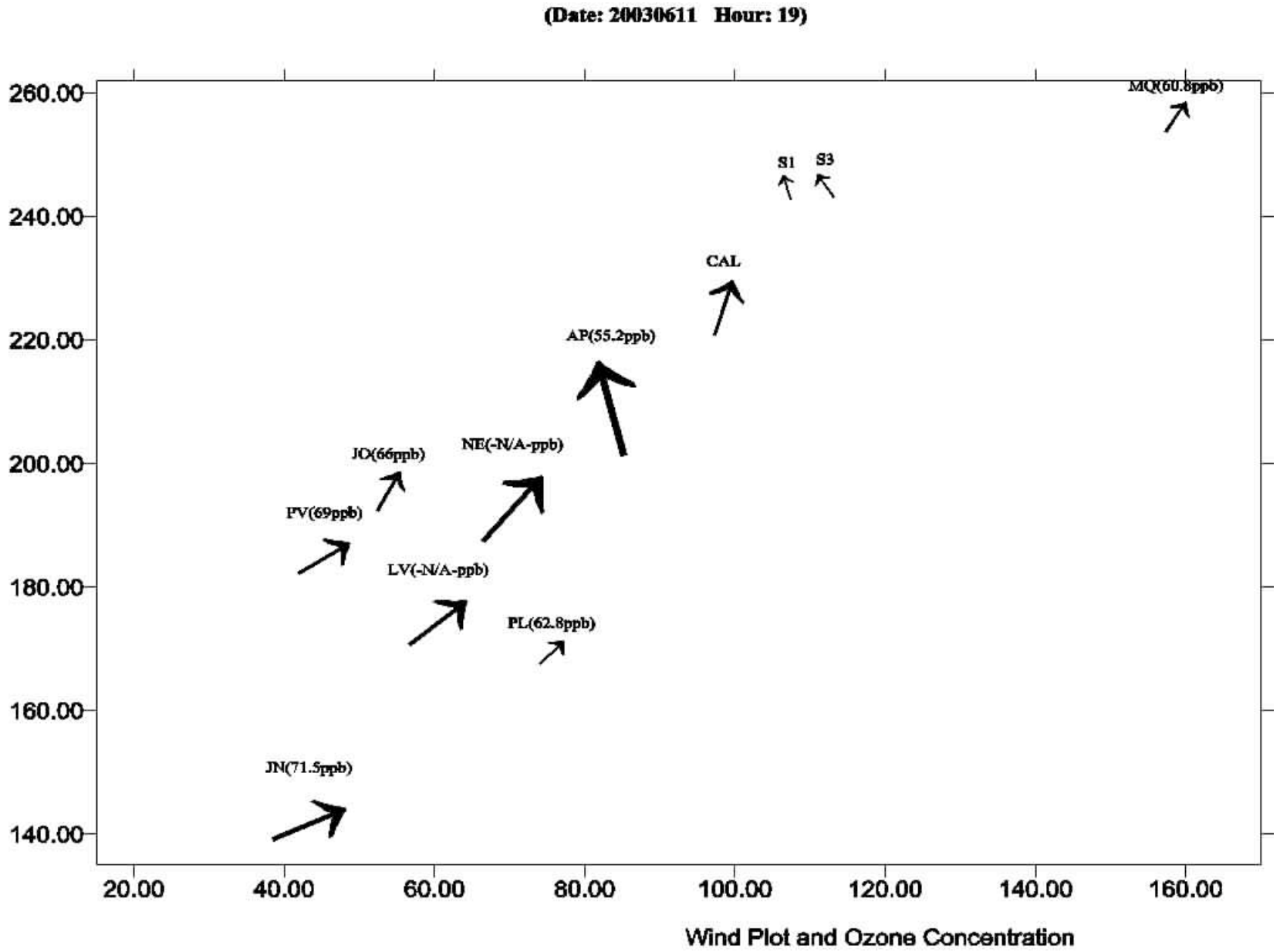
Wind Plot and Ozone Concentration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S1
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CAL
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NE(-N/A-ppb)
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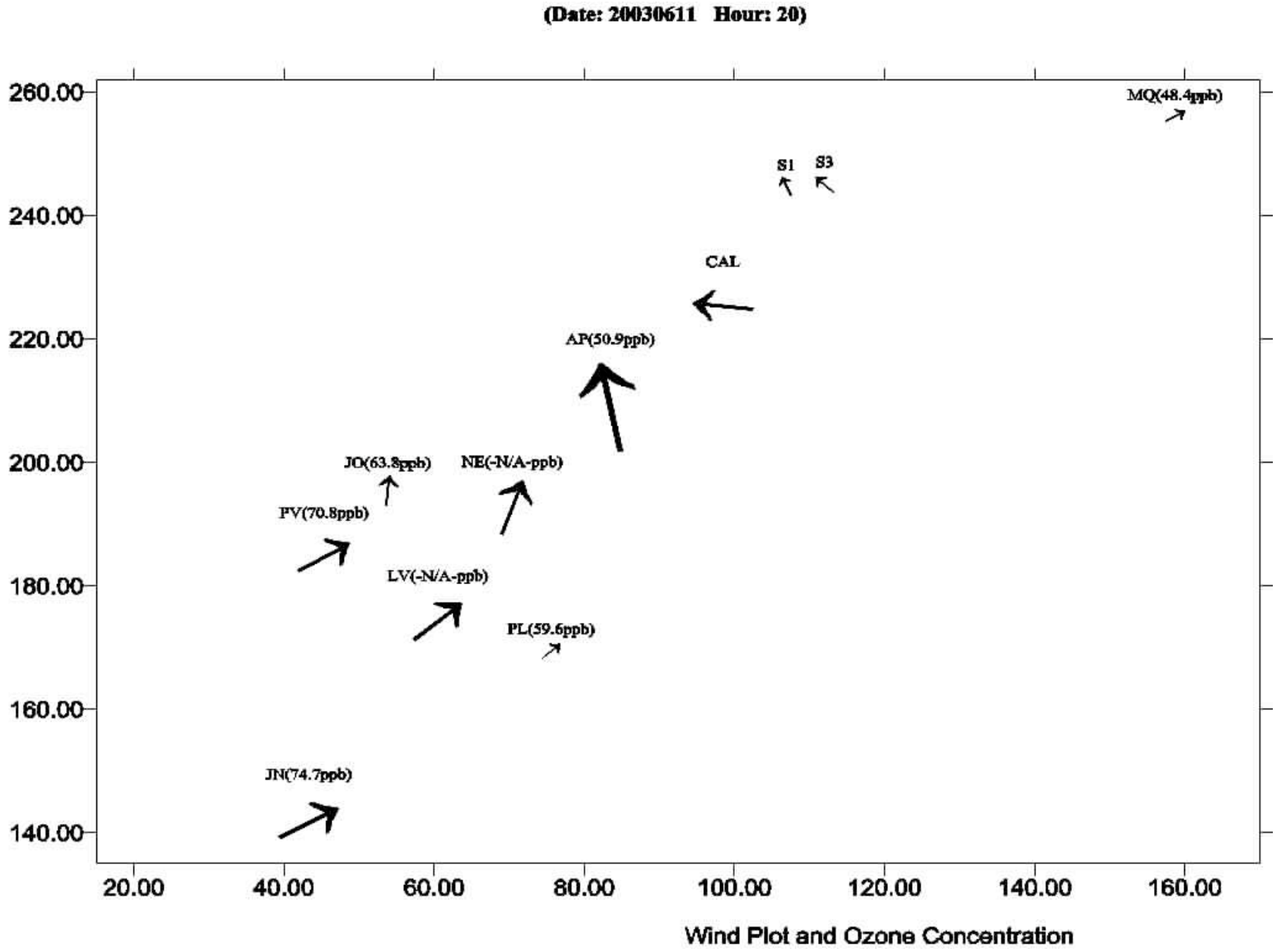
Wind Plot and Ozone Concentration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160.00
MQ(48.4ppb)
S1
S3
CAL
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JO(63.8ppb)
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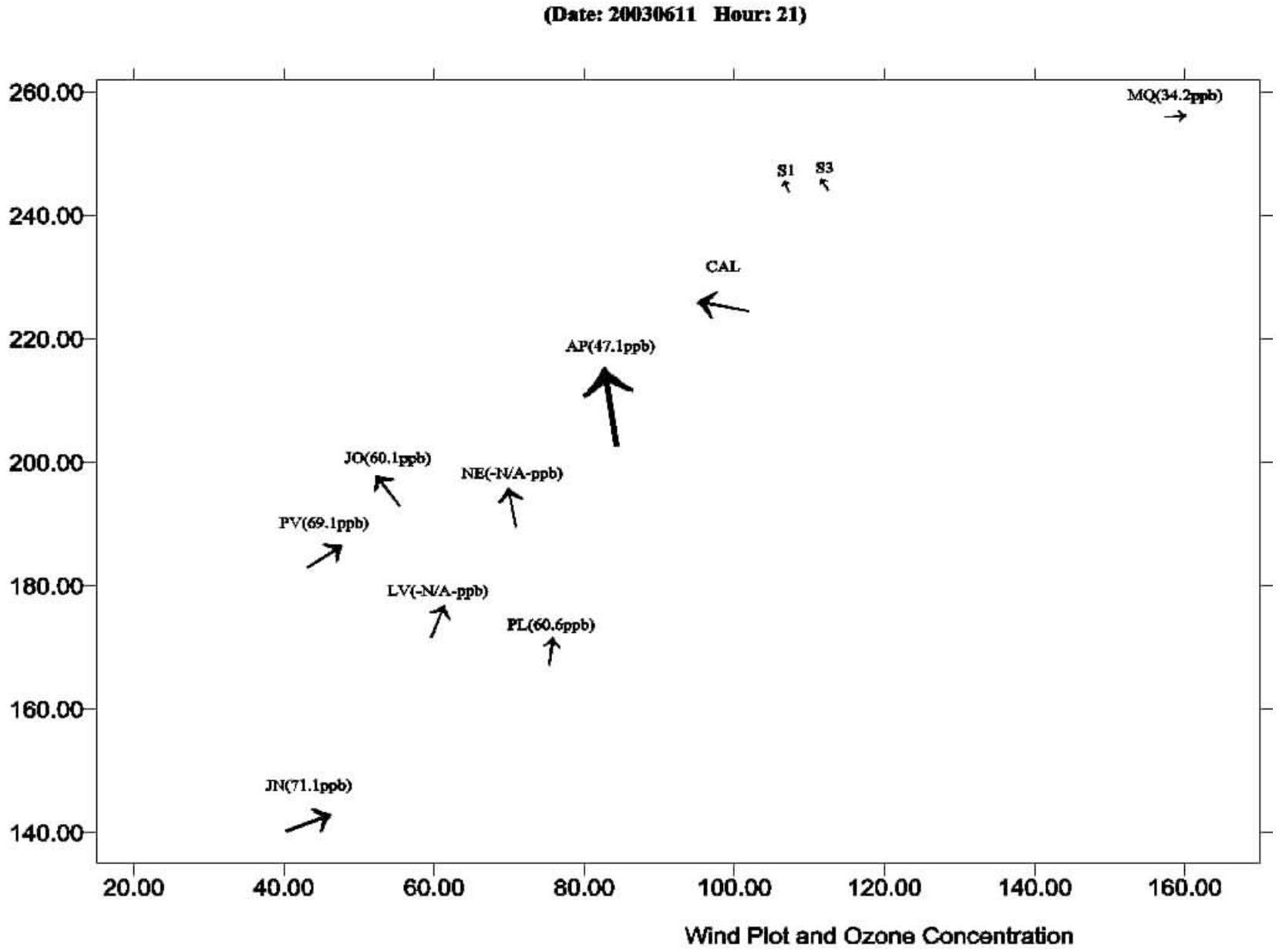
Wind Plot and Ozone Concentration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160.00
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S3
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JO(60.1ppb)
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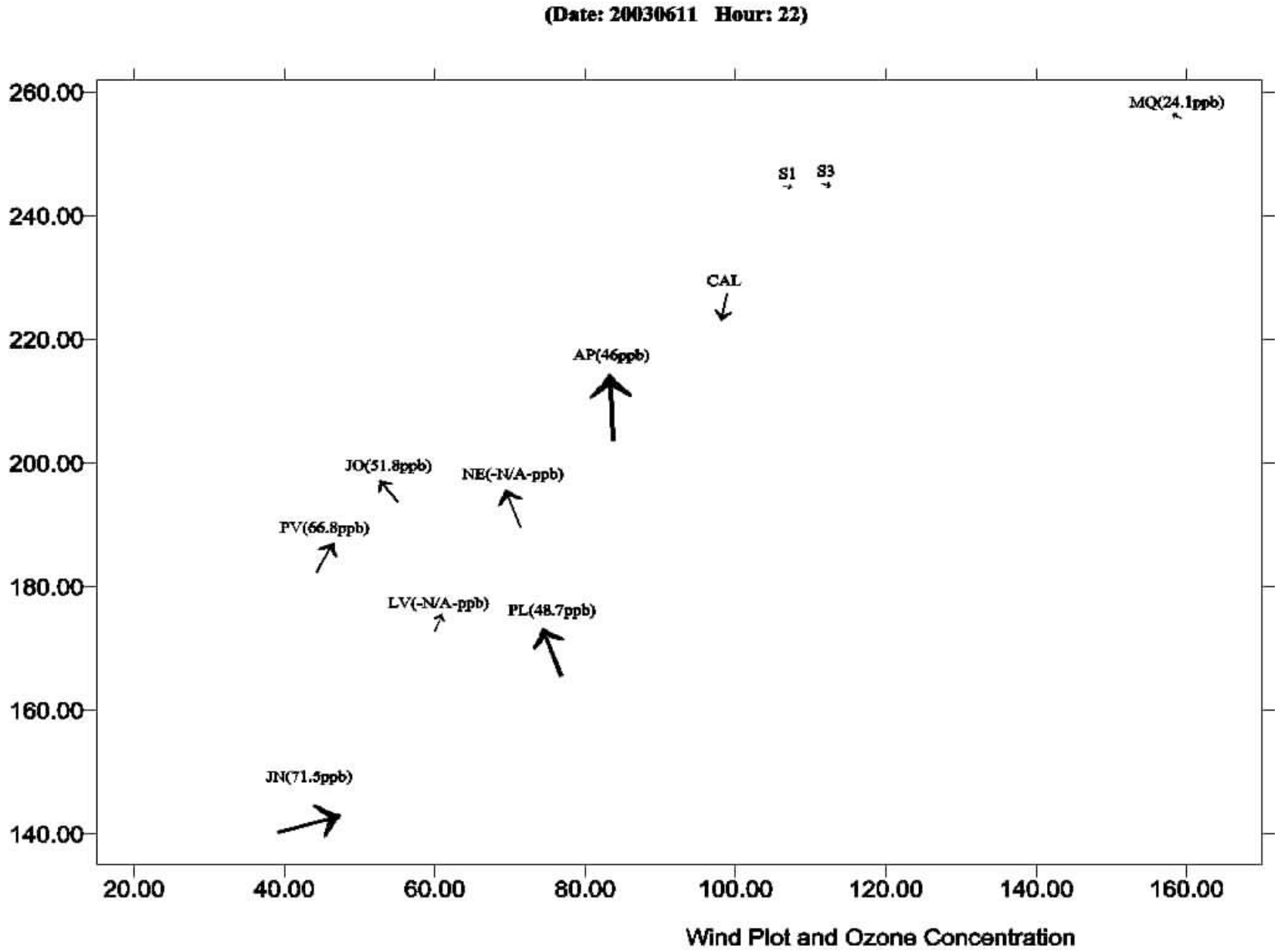
Wind Plot and Ozone Concentration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MQ(24.1ppb)
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S3
CAL
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JO(51.8ppb)
NE(-N/A-ppb)
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LV(-N/A-ppb)
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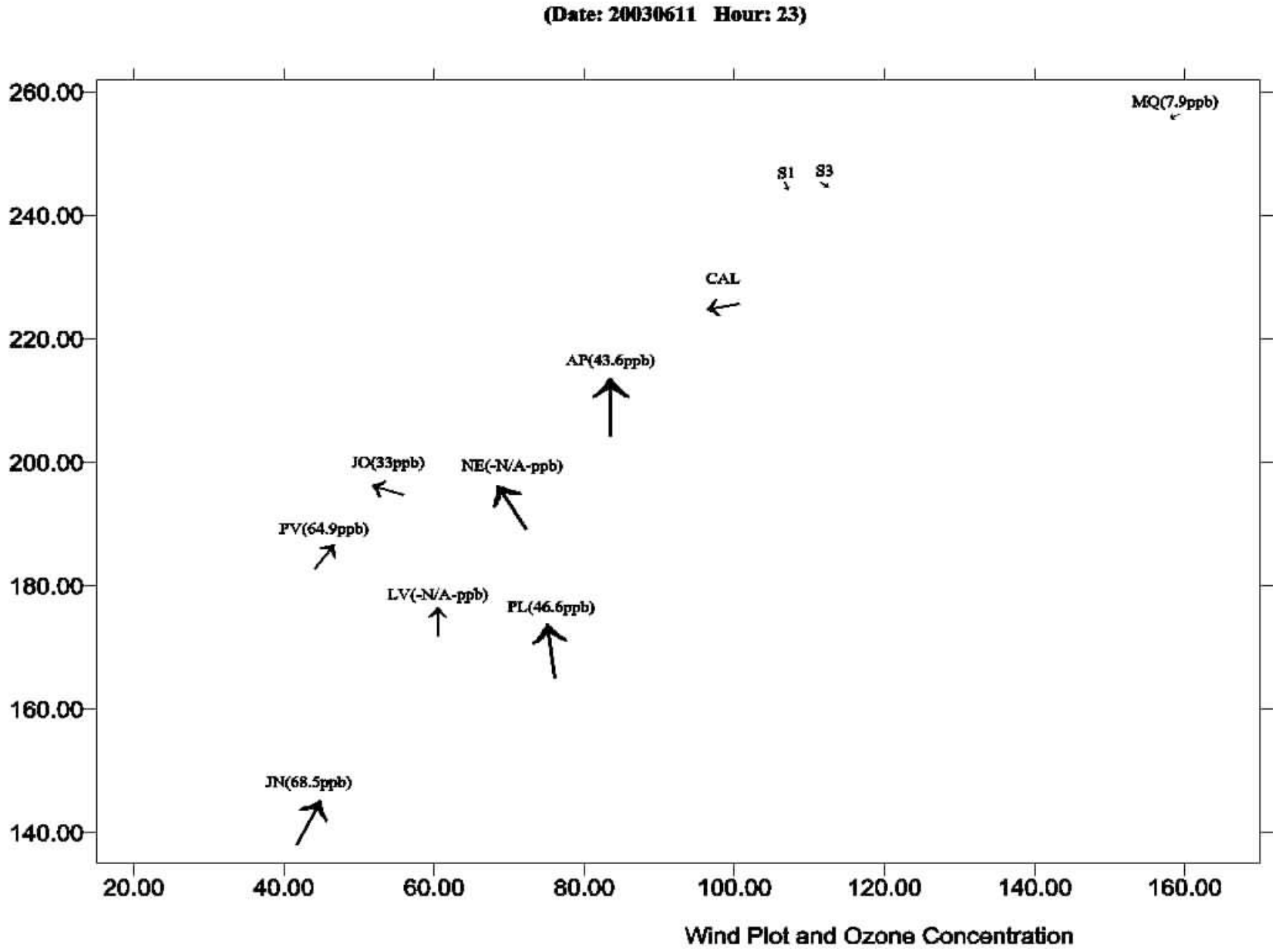
JN(71.5ppb)
Wind Plot and Ozone Concentration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JO(33ppb)
NE(-N/A-ppb)
PV(64.9ppb)
LV(-N/A-ppb)
PL(46.6ppb)
JN(68.5ppb)
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80.00
100.00
120.00
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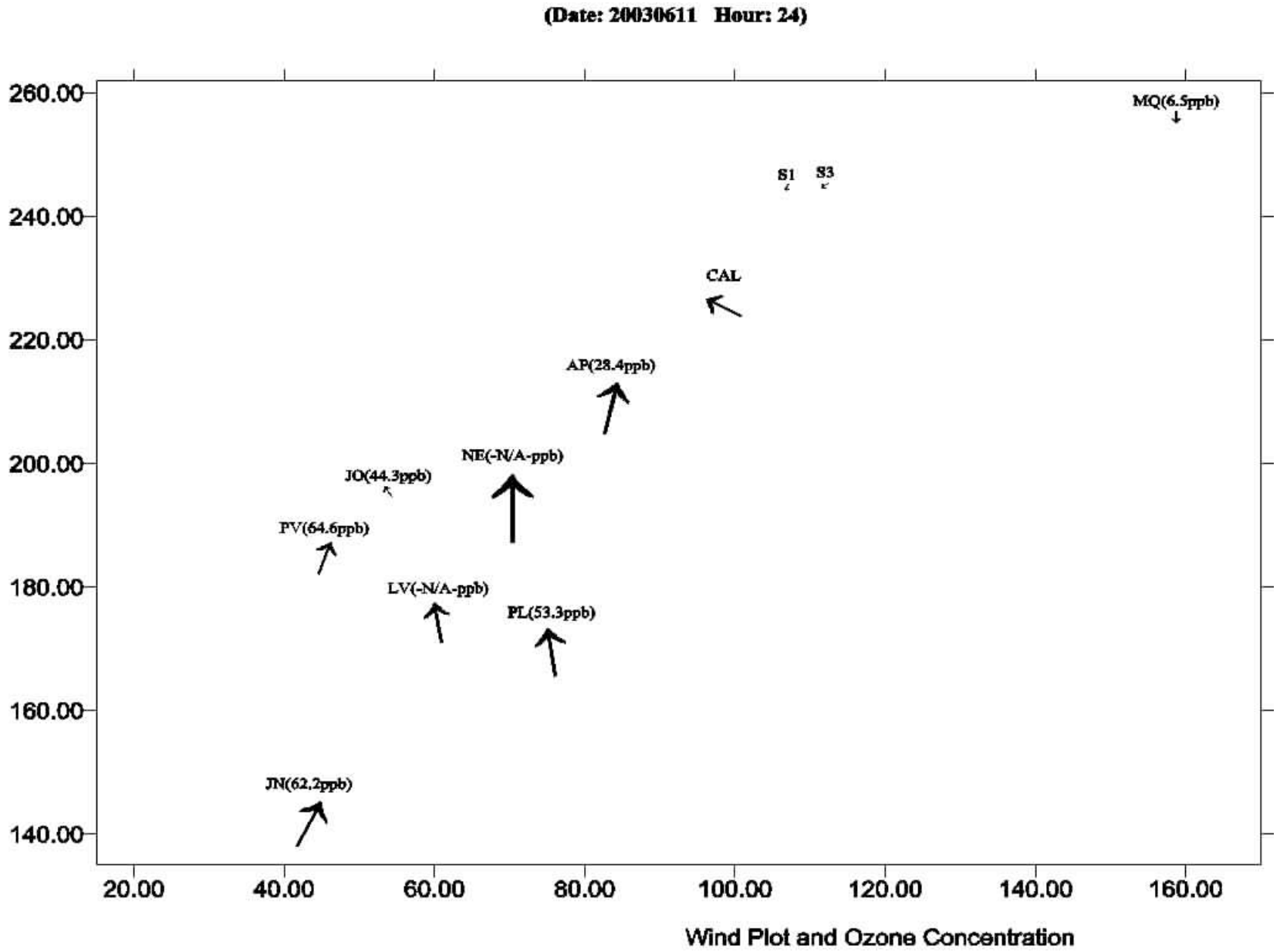
Wind Plot and Ozone Concentration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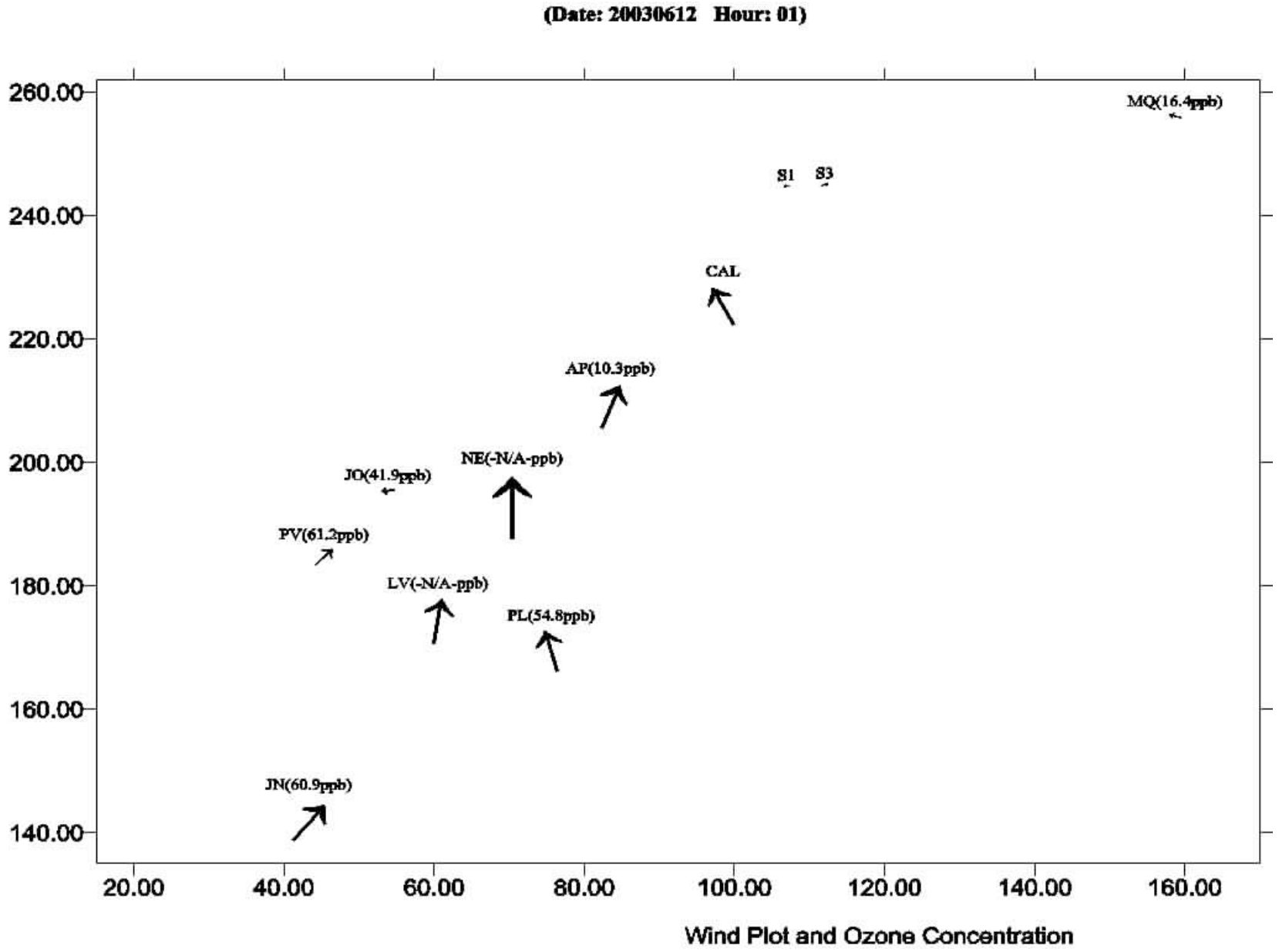
PL(53.3ppb)
JN(62.2ppb)
Wind Plot and Ozone Concentration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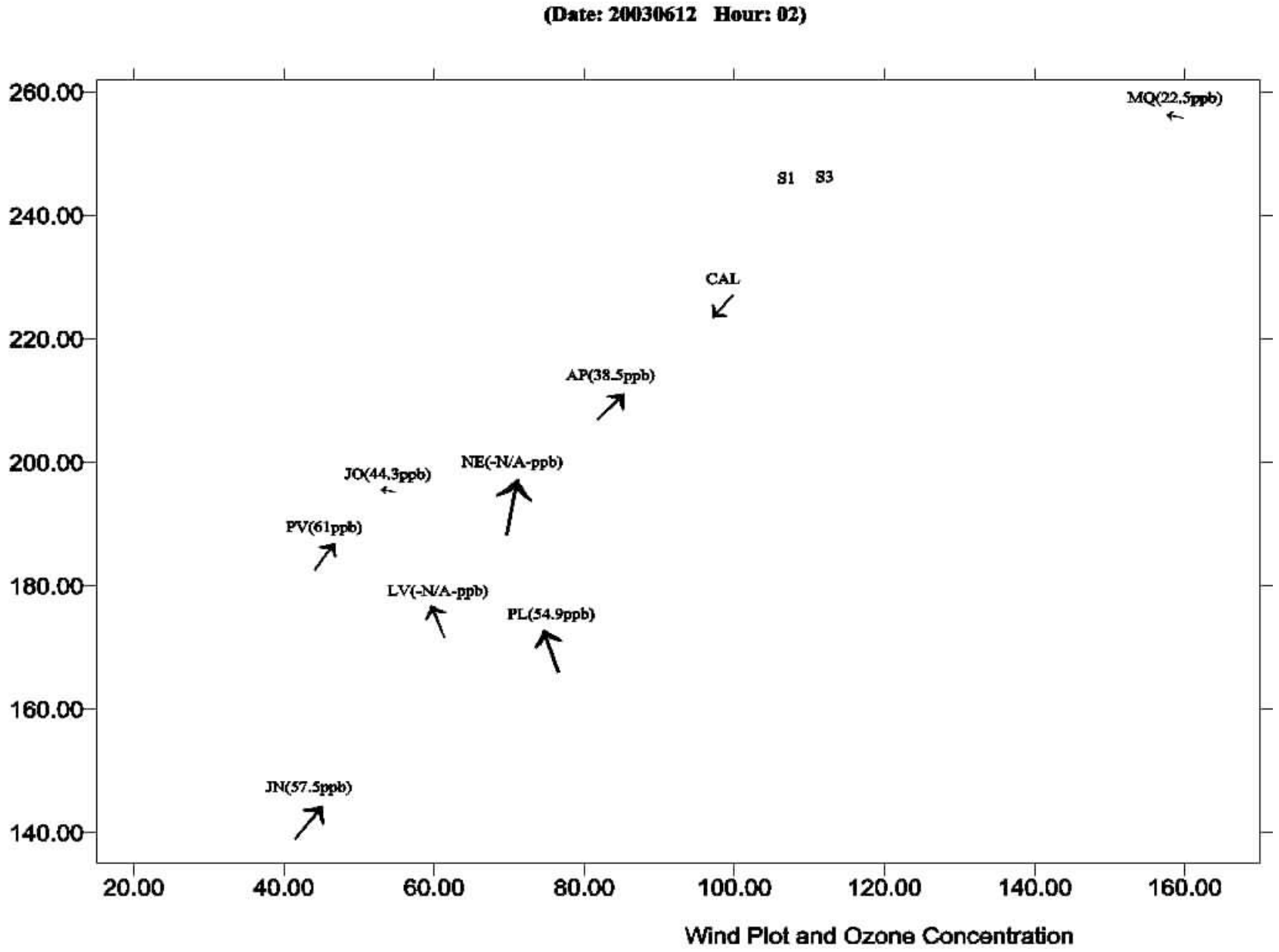
NE(-N/A-ppb)
JO(41.9ppb)
PV(61.2ppb)
LV(-N/A-ppb)
PL(54.8ppb)
JN(60.9ppb)
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
Wind Plot and Ozone Concentration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160.00
MQ(22.5ppb)
S1
S3
CAL
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JO(44.3ppb)
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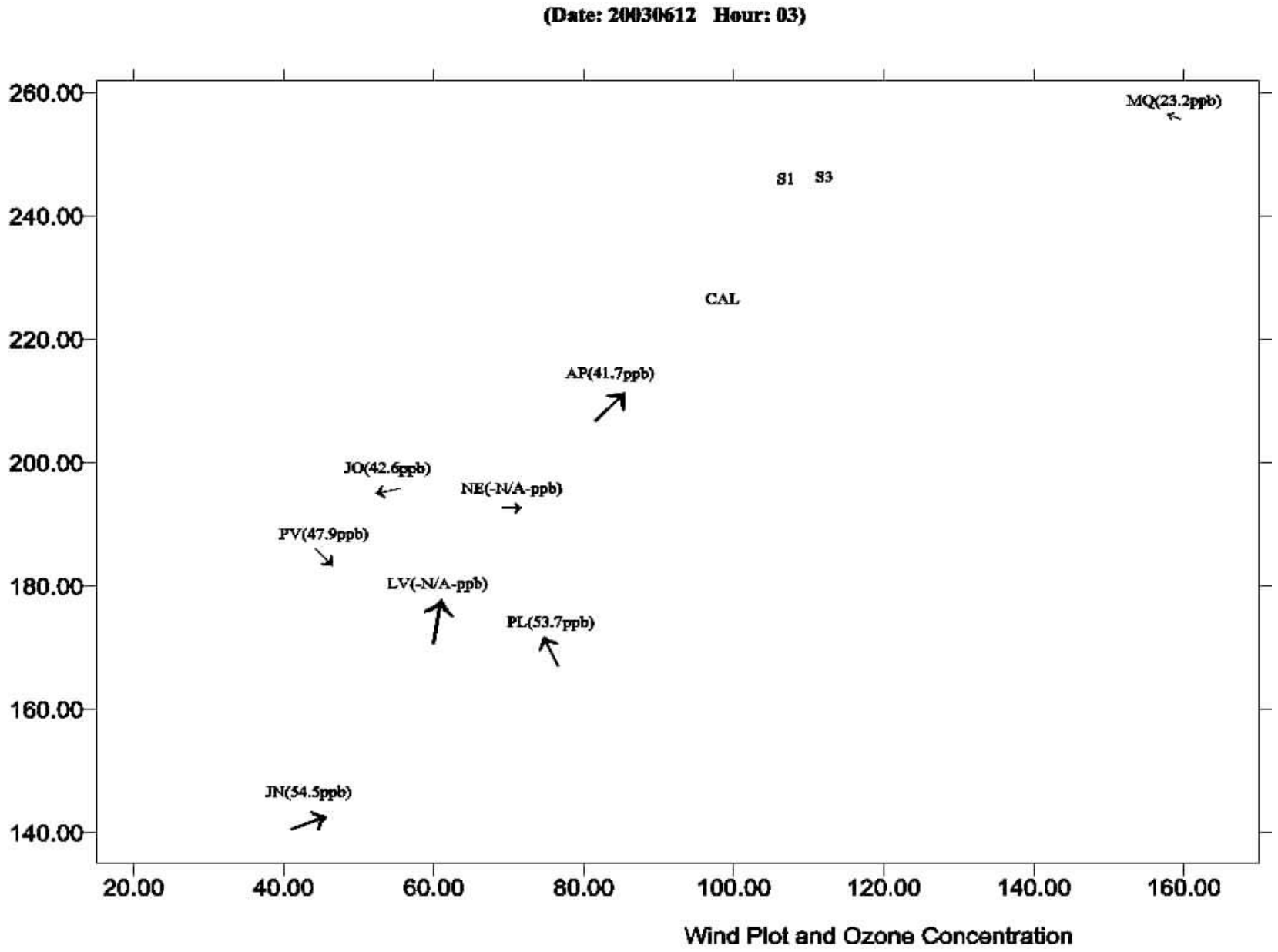
LV(-N/A-ppb)
PL(54.9ppb)
JN(57.5ppb)
Wind Plot and Ozone Concentration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160.00
MQ(23.2ppb)
S1
S3
CAL
AP(41.7ppb)
JO(42.6ppb)
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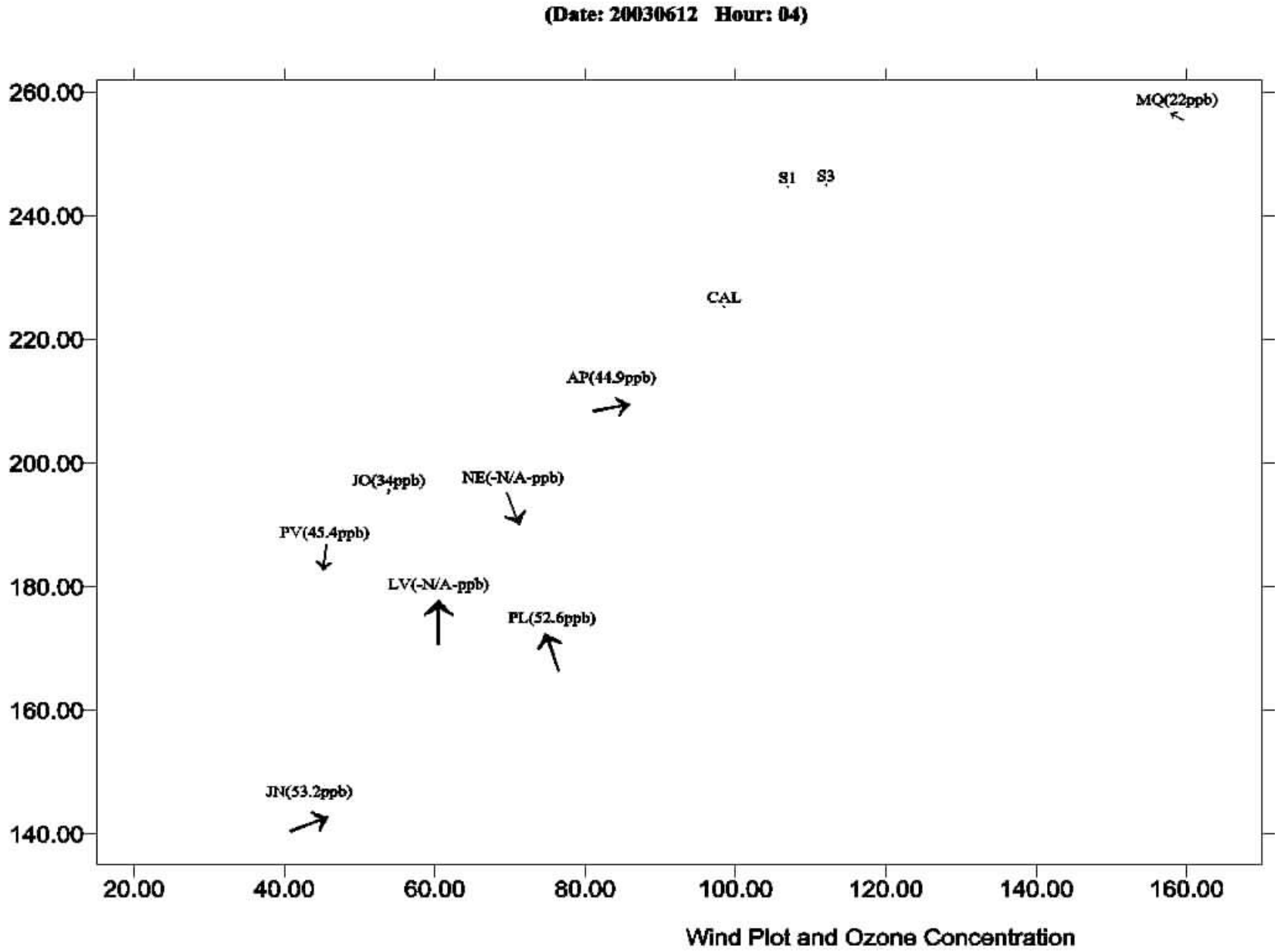
Wind Plot and Ozone Concentration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140.00
160.00
MQ(22ppb)
S1
S3
CAL
AP(44.9ppb)
JO(34ppb)
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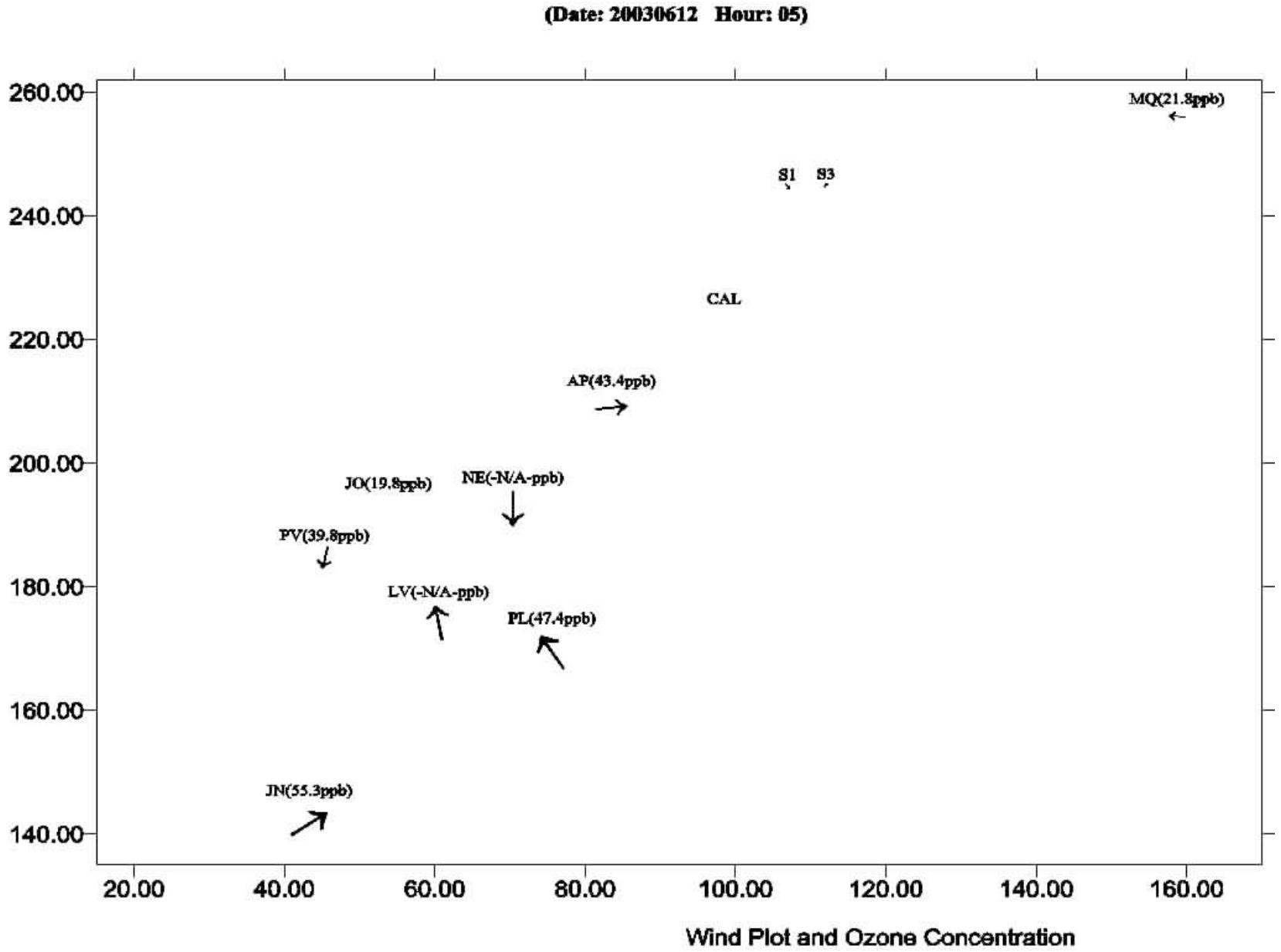
JN(53.2ppb)
Wind Plot and Ozone Concentration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140.00
160.00
MQ(21.8ppb)
S1
S3
CAL
AP(43.4ppb)
JO(19.8ppb)
NE(-N/A-ppb)
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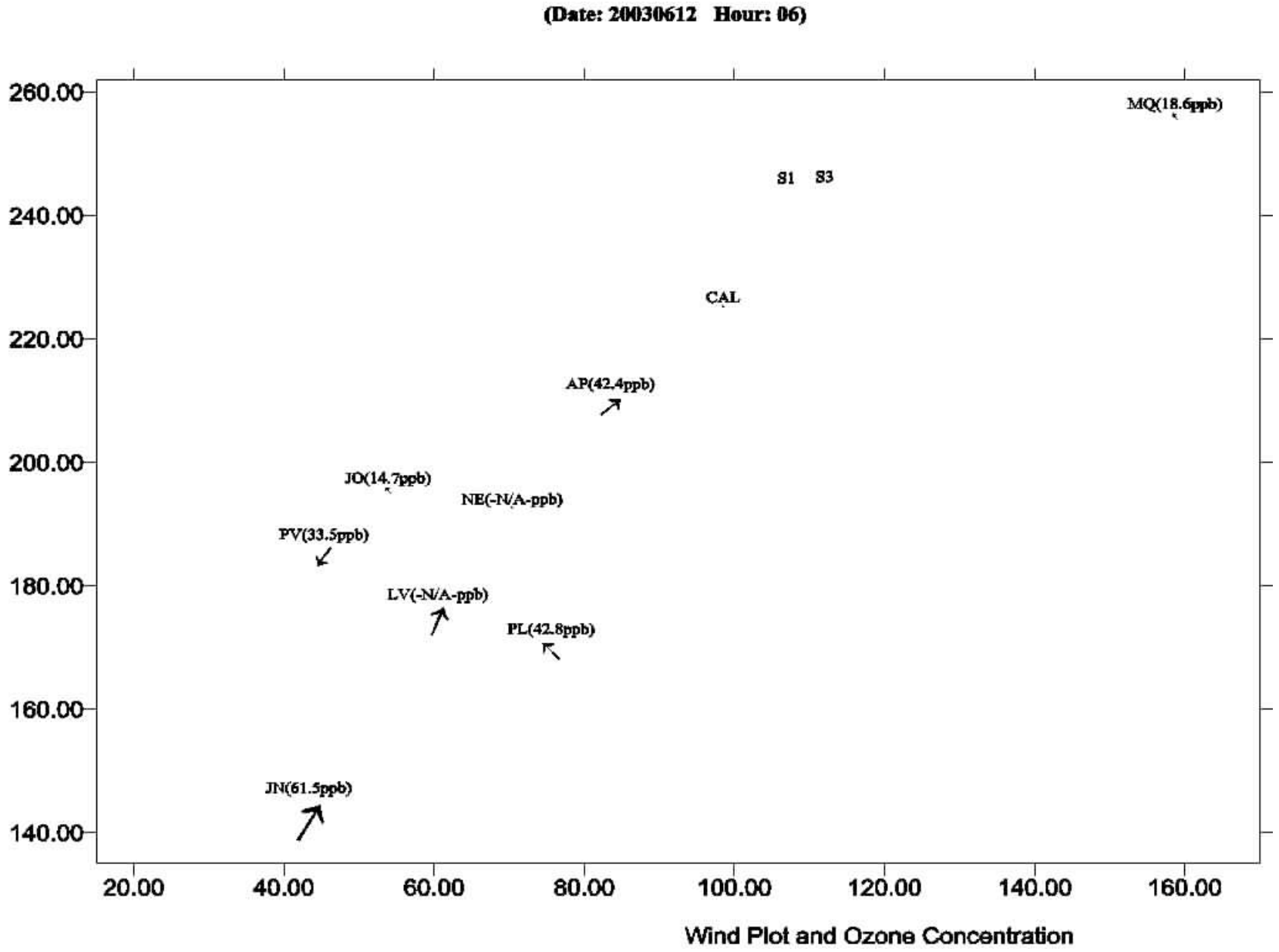
Wind Plot and Ozone Concentration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140.00
160.00
MQ(18.6ppb)
S1
S3
CAL
AP(42.4ppb)
JO(14.7ppb)
NE(-N/A-ppb)
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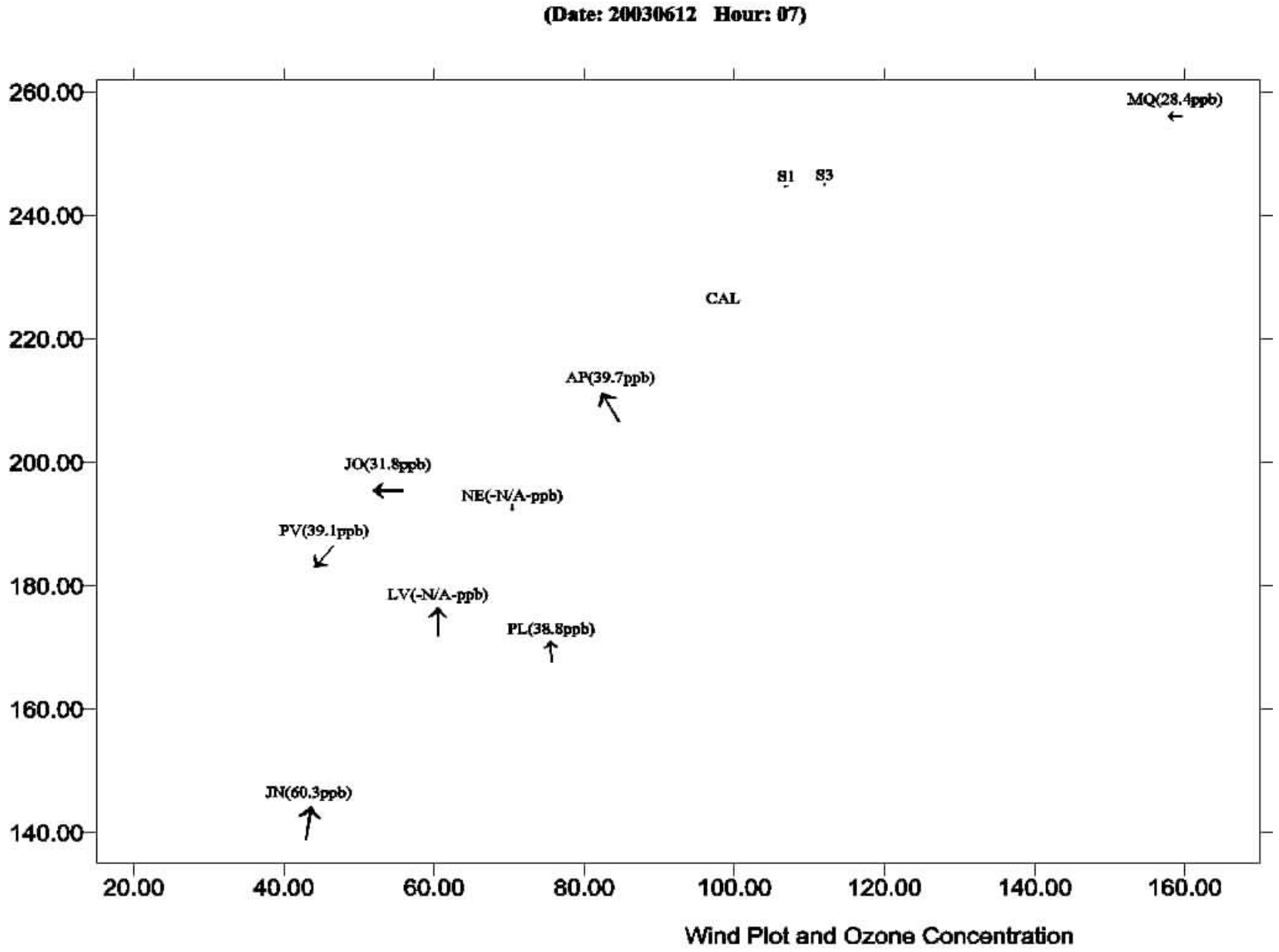
Wind Plot and Ozone Concentration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140.00
160.00
MQ(28.4ppb)
S1
S3
CAL
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JO(31.8ppb)
NE(-N/A-ppb)
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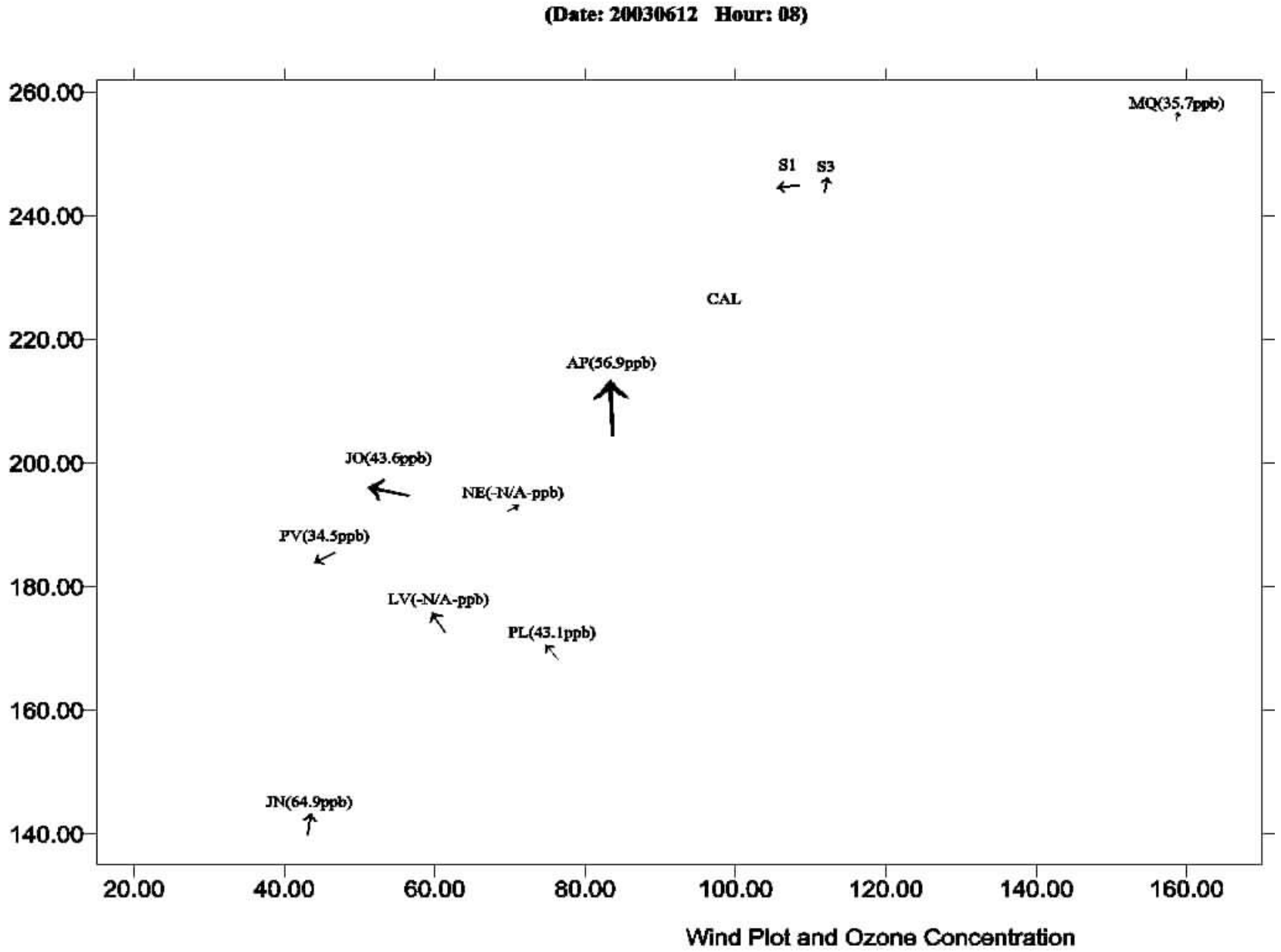
Wind Plot and Ozone Concentration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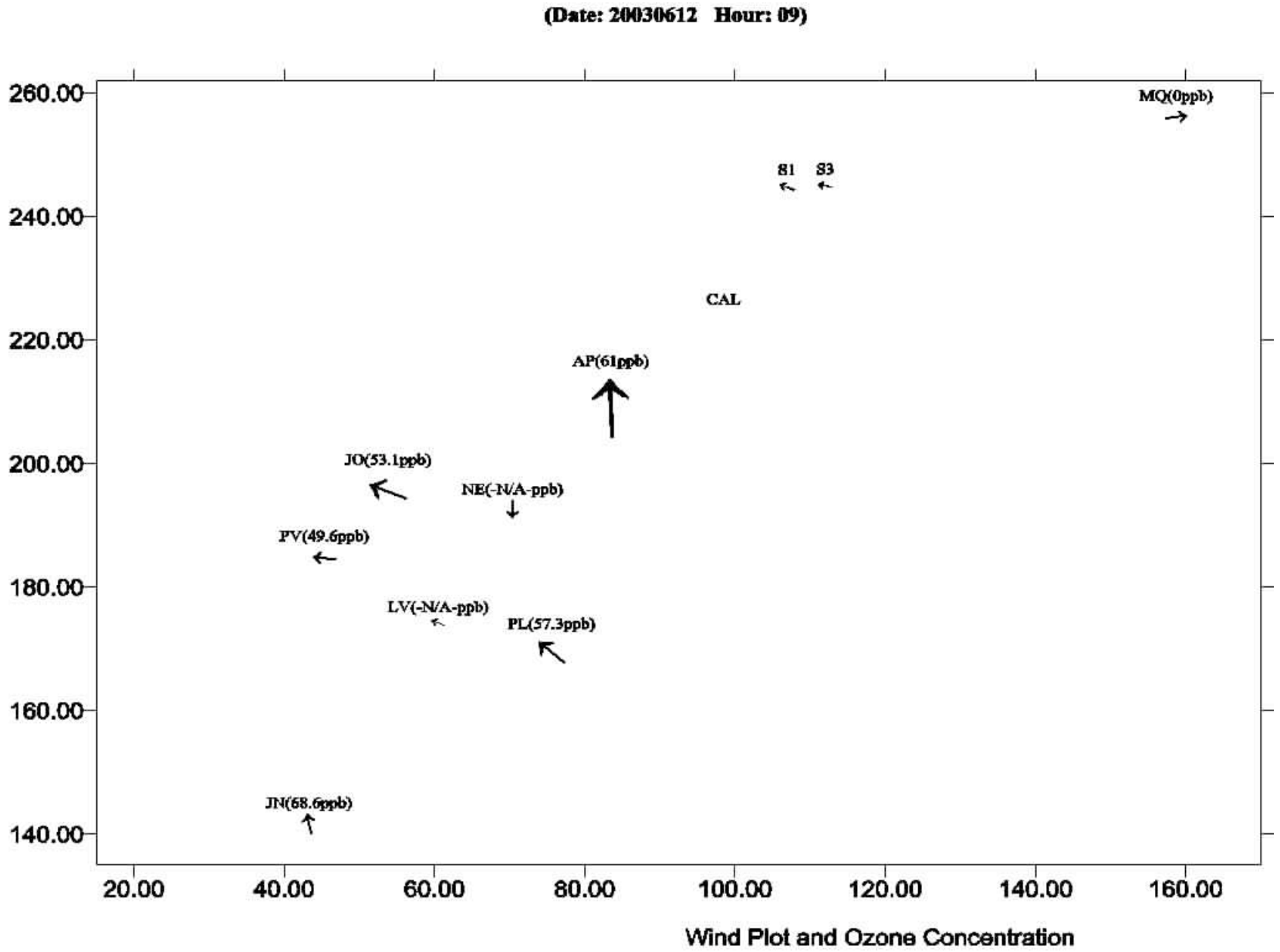
120.00
140.00
160.00
MQ(35.7ppb)
S1
S3
CAL
AP(56.9ppb)
JO(43.6ppb)
NE(-N/A-ppb)
PV(34.5ppb)
LV(-N/A-ppb)
PL(43.1ppb)
JN(64.9ppb)
Wind Plot and Ozone Concentration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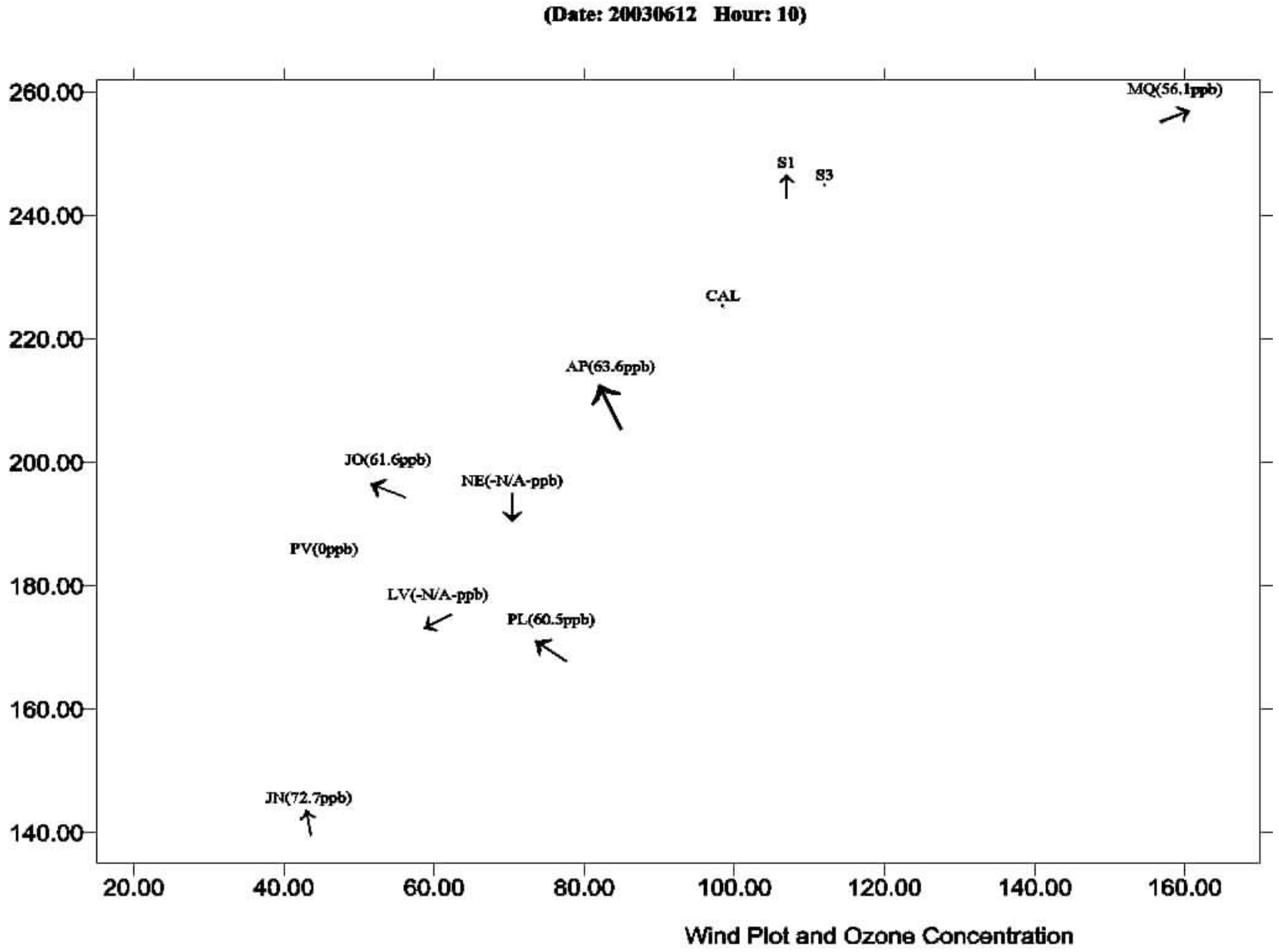
80.00
100.00
120.00
140.00
160.00
MQ(0ppb)
S1
S3
CAL
AP(61ppb)
JO(53.1ppb)
NE(-N/A-ppb)
PV(49.6ppb)
LV(-N/A-ppb)
PL(57.3ppb)
JN(68.6ppb)
Wind Plot and Ozone Concentration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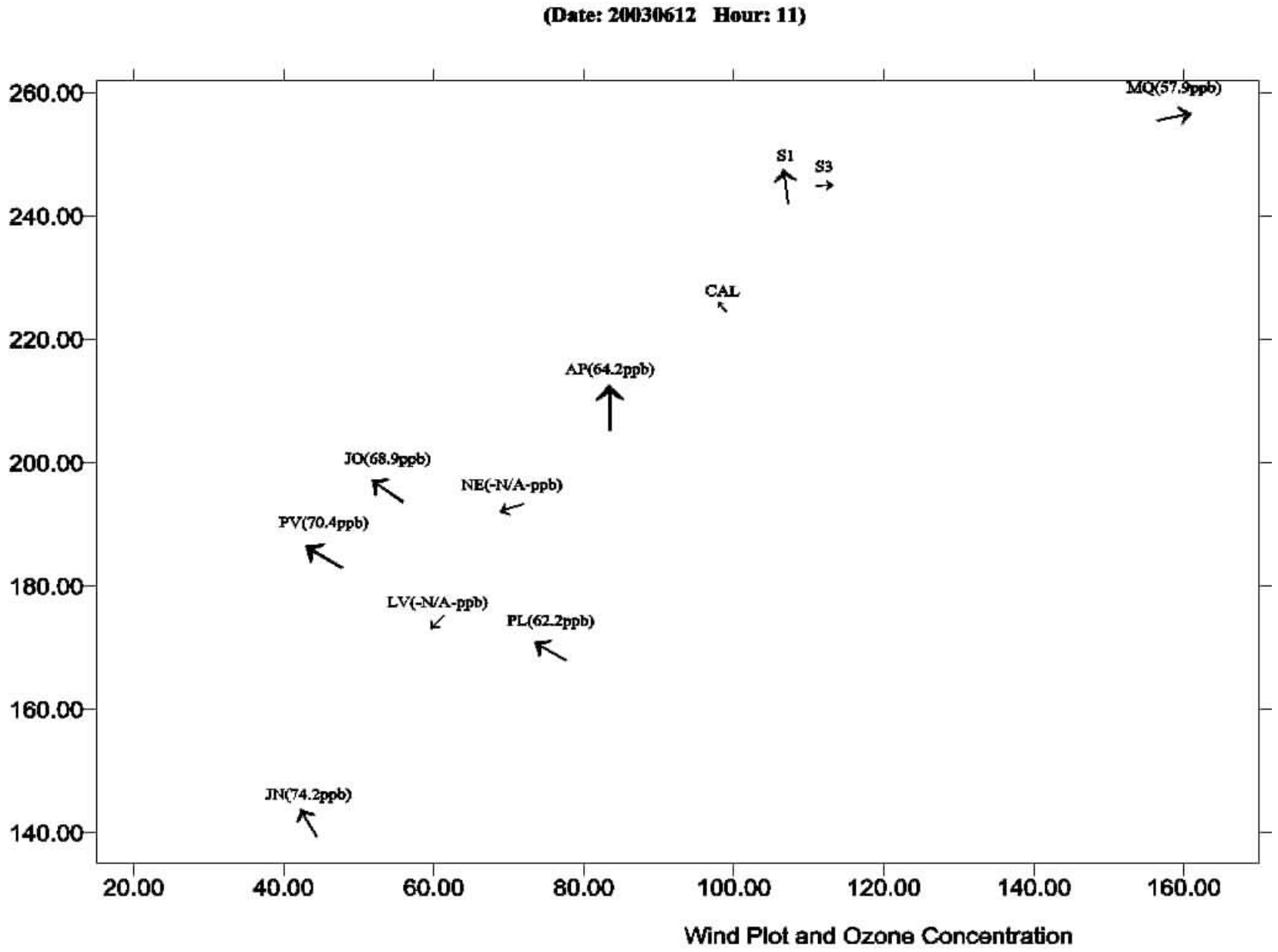
140.00
160.00
MQ(56.1ppb)
S1
S3
CAL
AP(63.6ppb)
JO(61.6ppb)
NE(-N/A-ppb)
PV(0ppb)
LV(-N/A-ppb)
PL(60.5ppb)
JN(72.7ppb)
Wind Plot and Ozone Concentration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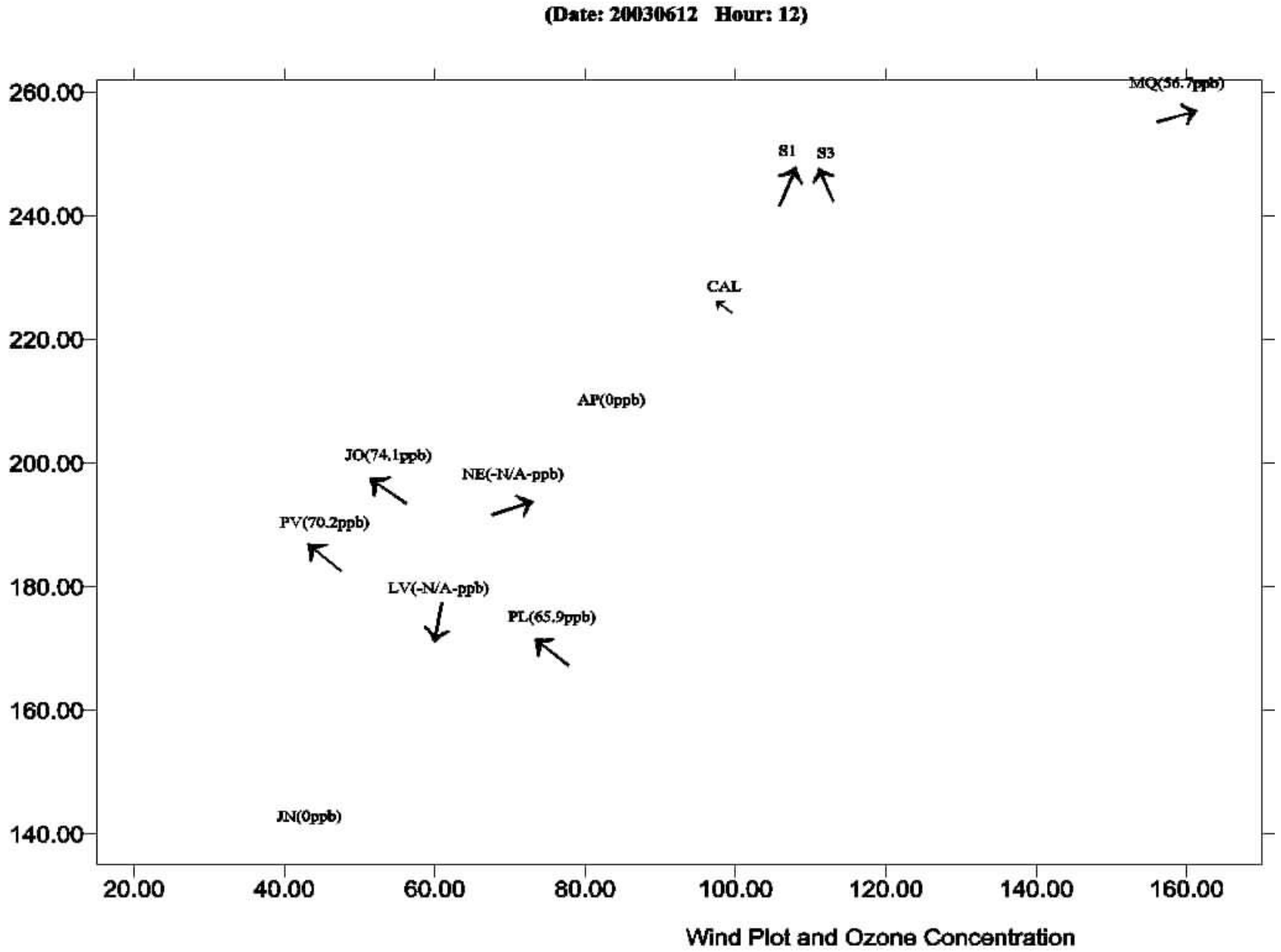
160.00
MQ(57.9ppb)
S1
S3
CAL
AP(64.2ppb)
JO(68.9ppb)
NE(-N/A-ppb)
PV(70.4ppb)
LV(-N/A-ppb)
PL(62.2ppb)
JN(74.2ppb)
Wind Plot and Ozone Concentration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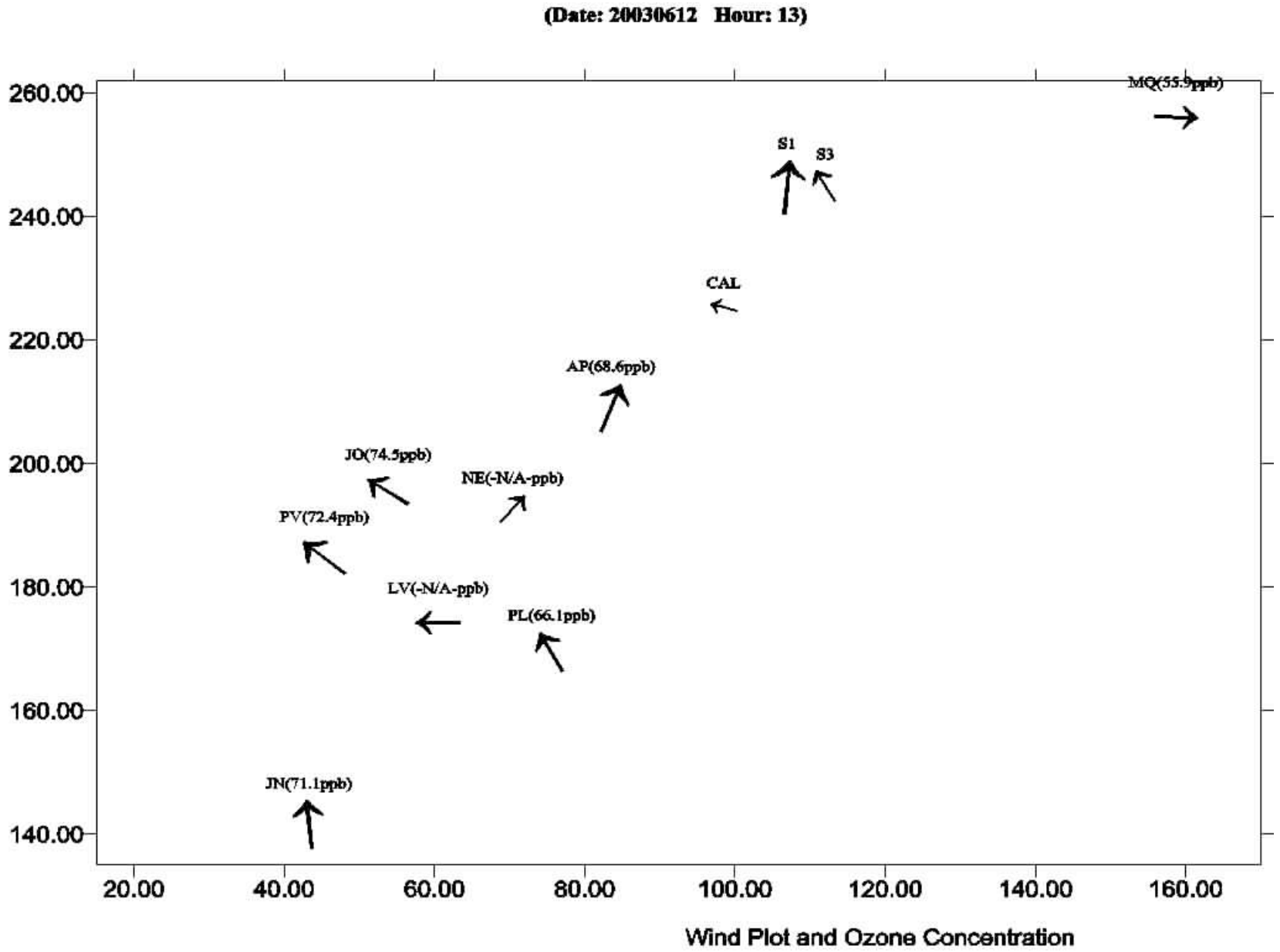
140.00
160.00
MQ(56.7ppb)
S1
S3
CAL
AP(0ppb)
JO(74.1ppb)
NE(-N/A-ppb)
PV(70.2ppb)
LV(-N/A-ppb)
PL(65.9ppb)
JN(0ppb)
Wind Plot and Ozone Concentration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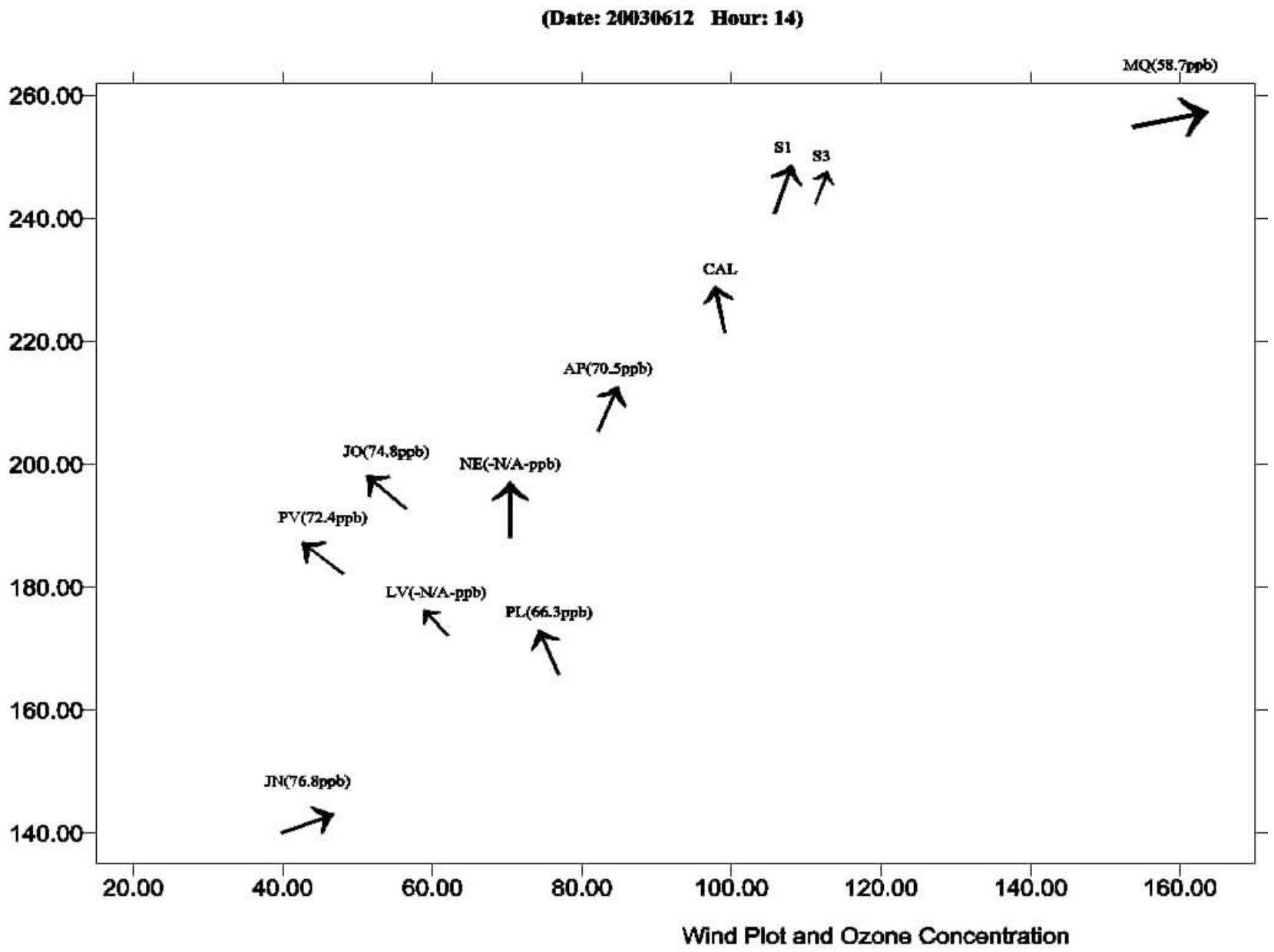
160.00
MQ(55.9ppb)
S1
S3
CAL
AP(68.6ppb)
JO(74.5ppb)
NE(-N/A-ppb)
PV(72.4ppb)
LV(-N/A-ppb)
PL(66.1ppb)
JN(71.1ppb)
Wind Plot and Ozone Concentration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JO(74.8ppb)
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PV(72.4ppb)
LV(-N/A-ppb)
PL(66.3ppb)
JN(76.8ppb)
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240.00
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200.00
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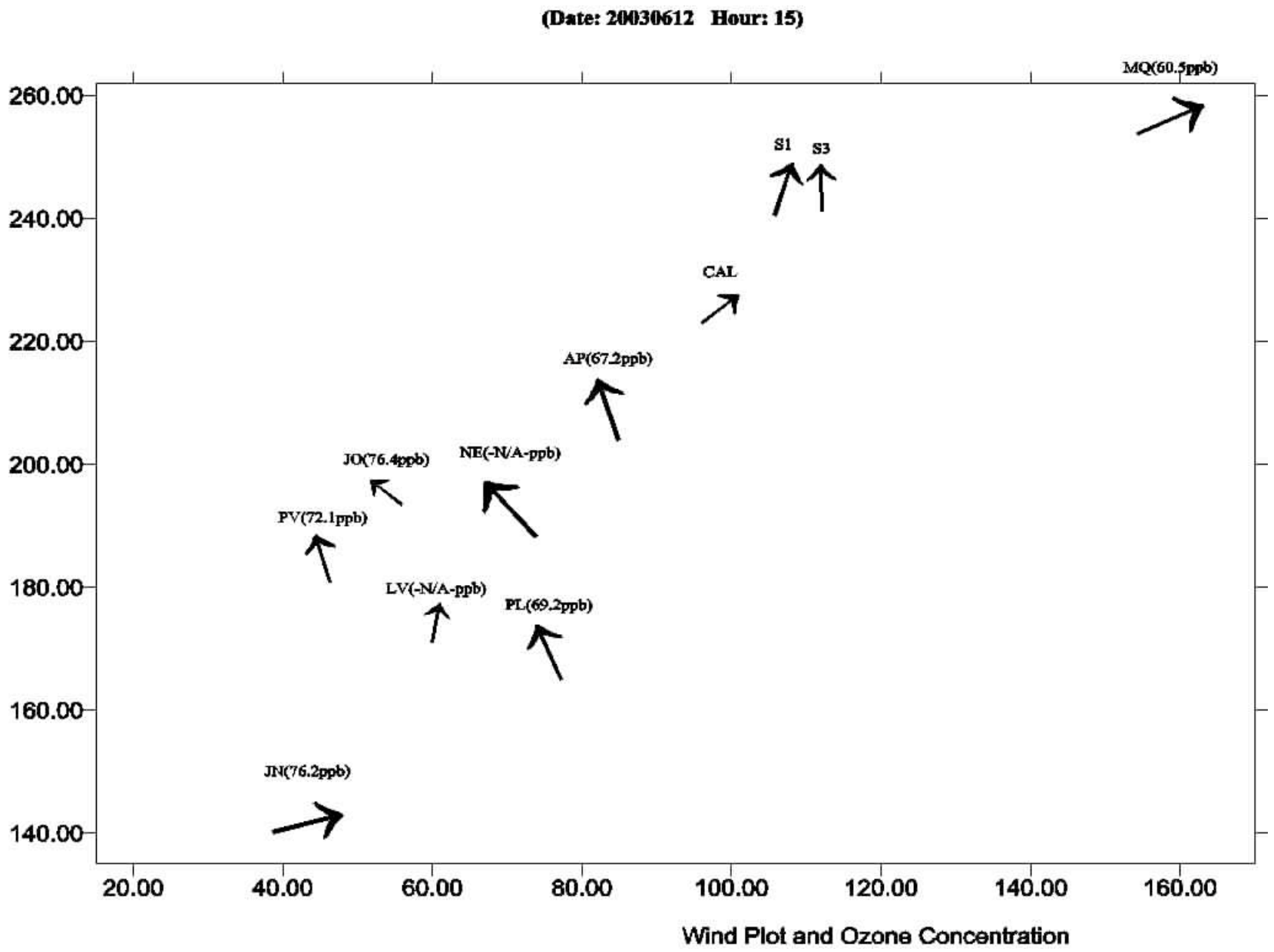
Wind Plot and Ozone Concentration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S3
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JO(76.4ppb)
NE(-N/A-ppb)
PV(72.1ppb)
LV(-N/A-ppb)
PL(69.2ppb)
JN(76.2ppb)
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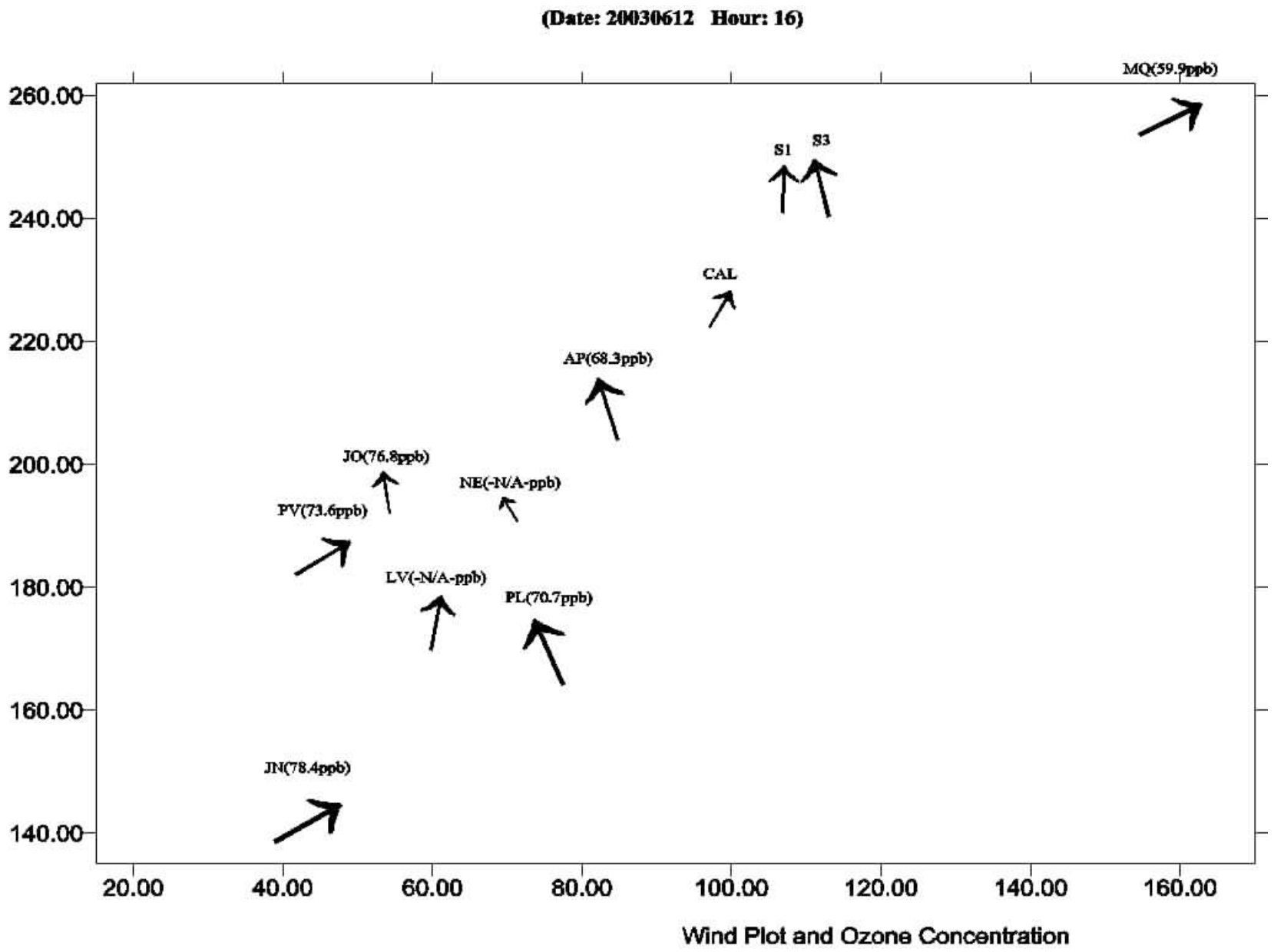
Wind Plot and Ozone Concentration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JO(76.8ppb)
NE(-N/A-ppb)
PV(73.6ppb)
LV(-N/A-ppb)
PL(70.7ppb)
JN(78.4ppb)
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180.00
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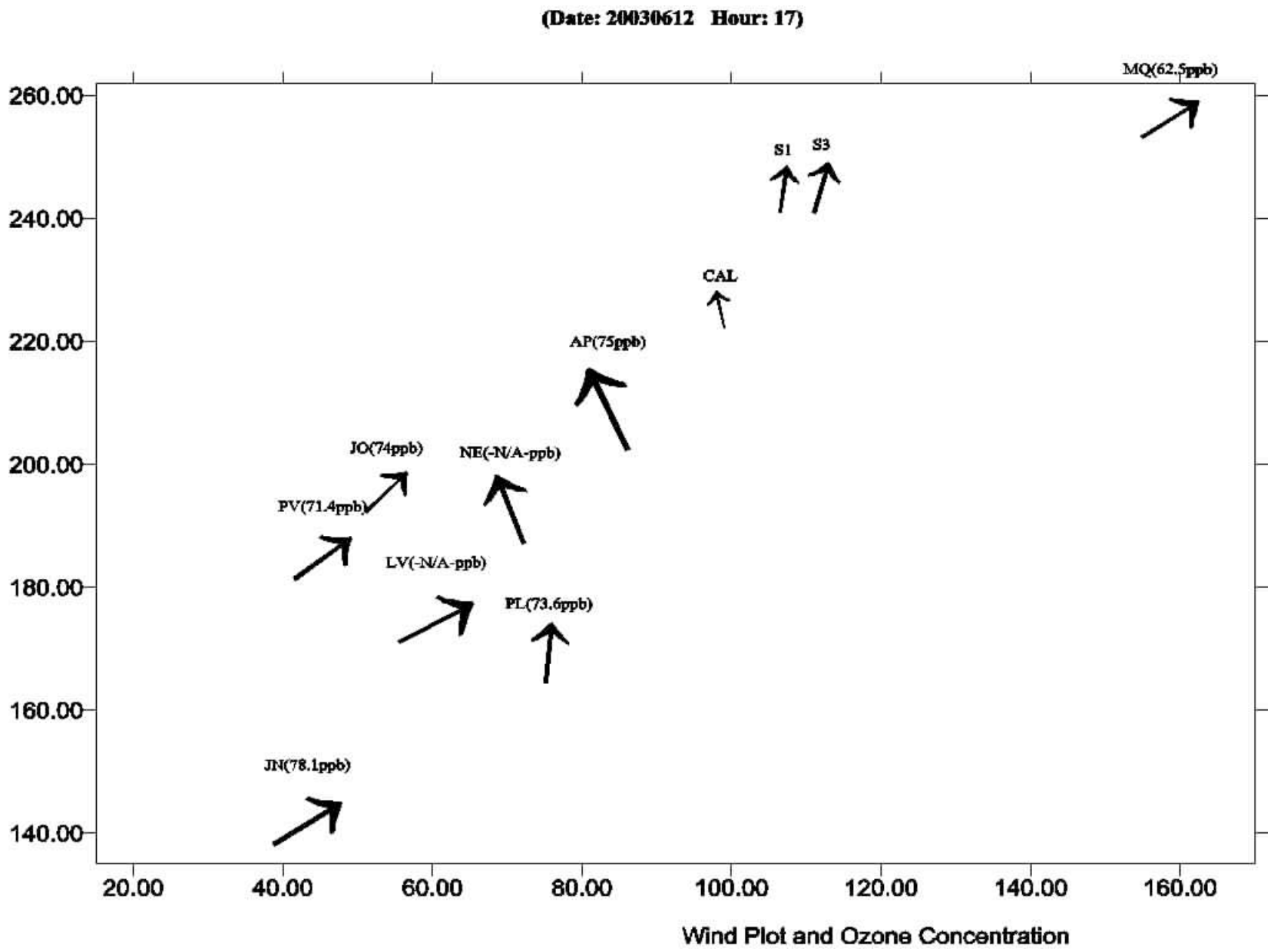
Wind Plot and Ozone Concentration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JO(74ppb)
NE(-N/A-ppb)
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LV(-N/A-ppb)
PL(73.6ppb)
JN(78.1ppb)
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240.00
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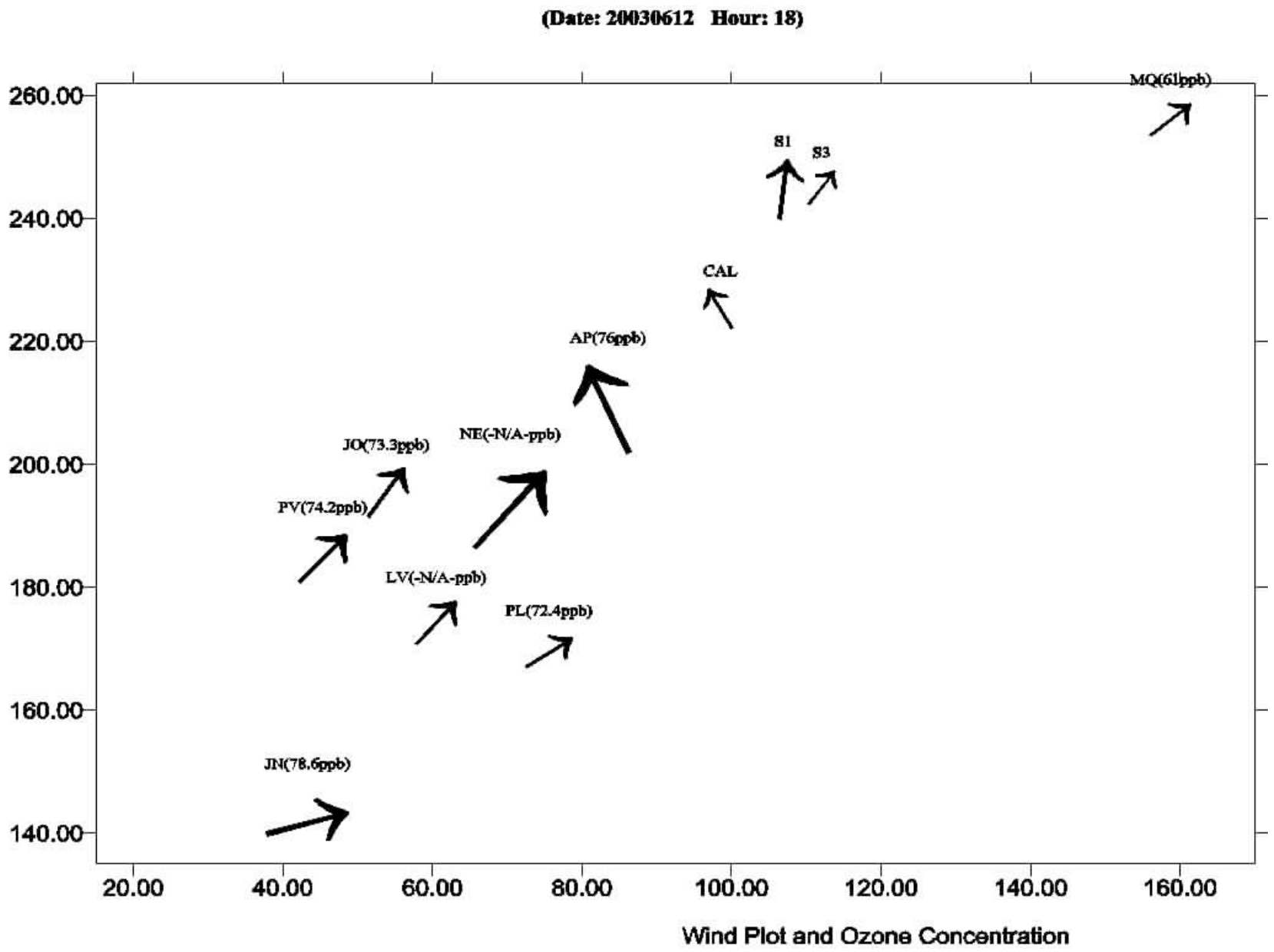
Wind Plot and Ozone Concentration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160.00
MQ(61ppb)
S1
S3
CAL
AP(76ppb)
NE(-N/A-ppb)
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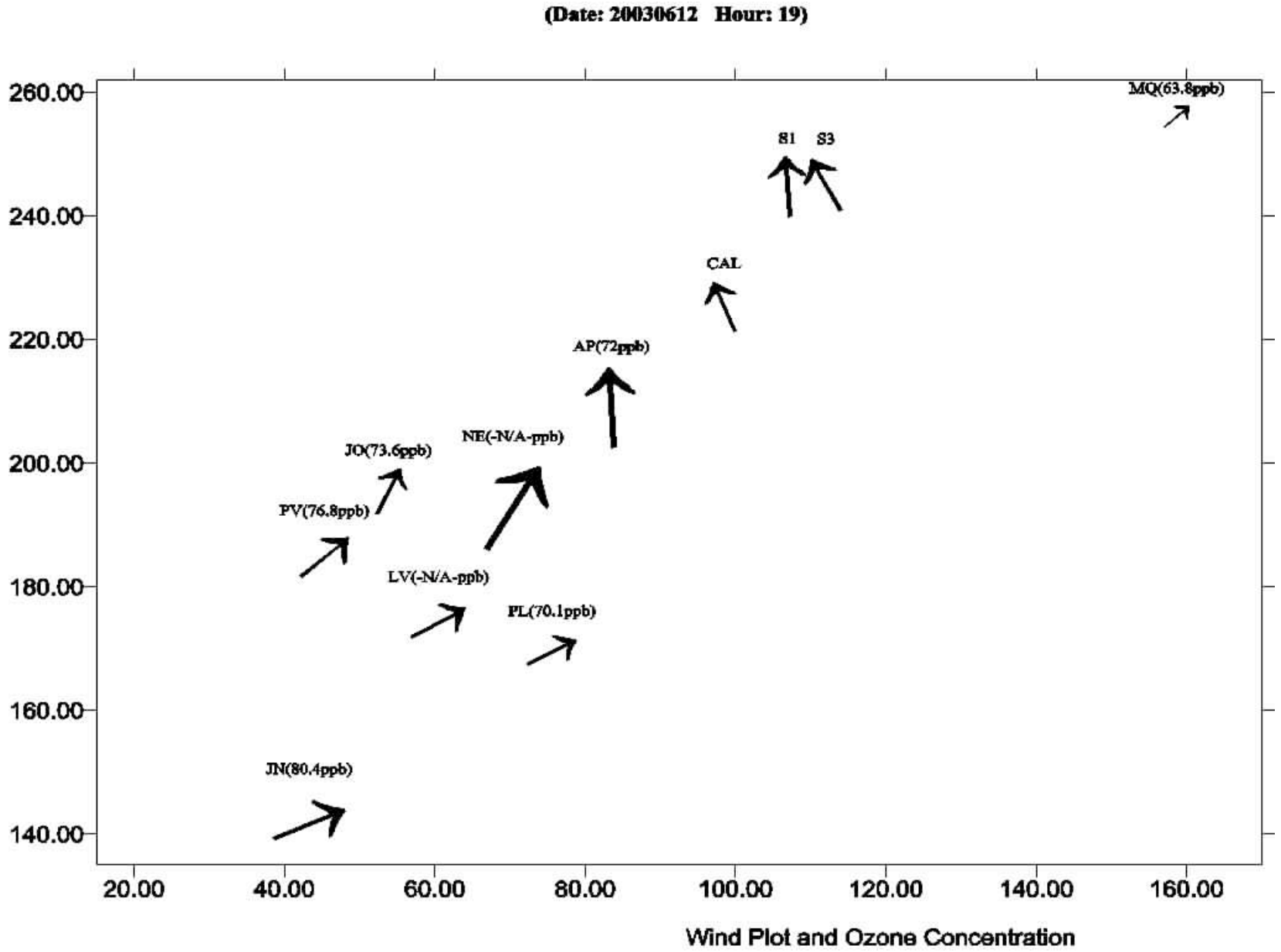
PV(74.2ppb)
LV(-N/A-ppb)
PL(72.4ppb)
JN(78.6ppb)
Wind Plot and Ozone Concentration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JO(73.6ppb)
PV(76.8ppb)
LV(-N/A-ppb)
PL(70.1ppb)
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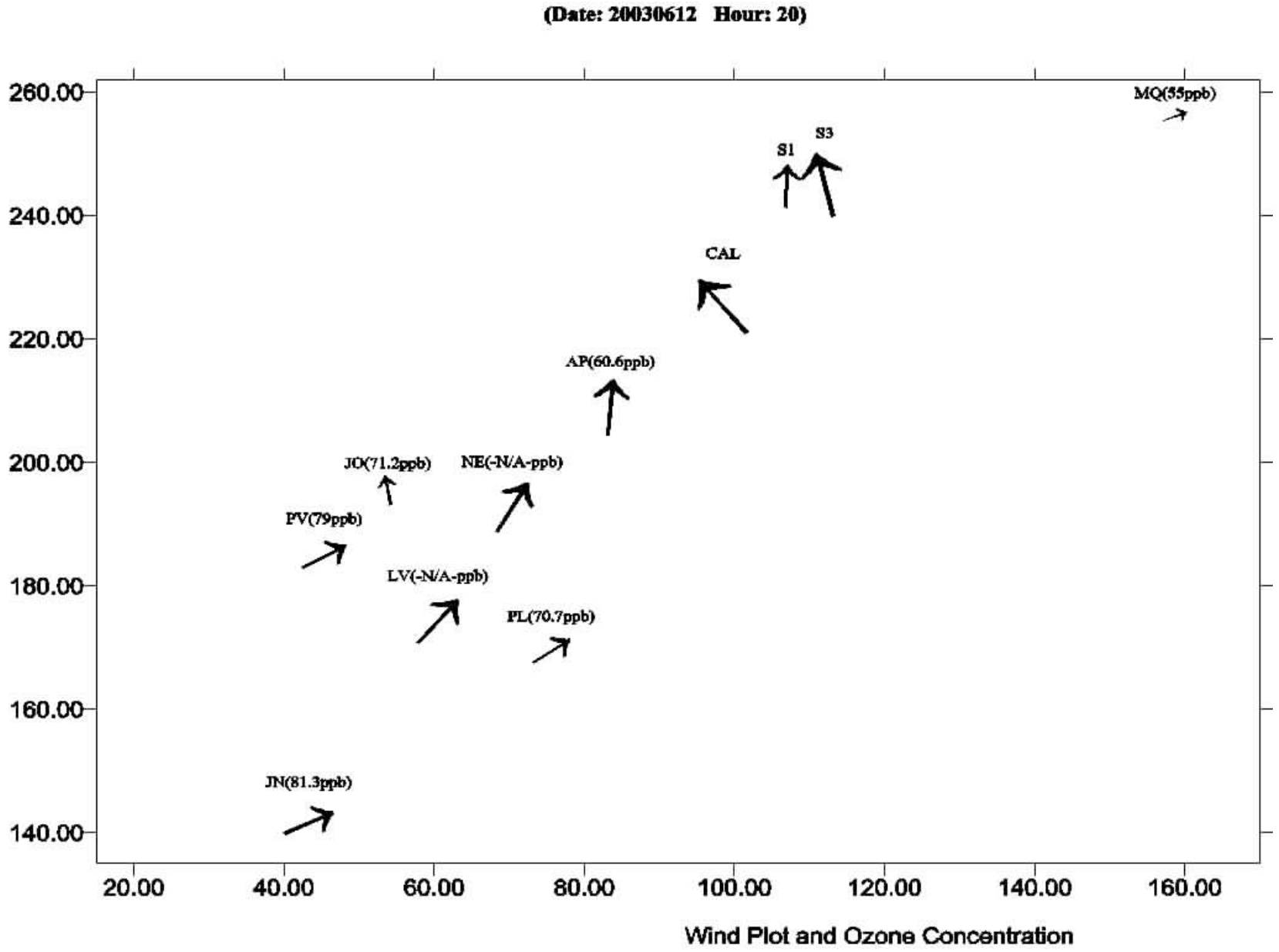
Wind Plot and Ozone Concentration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140.00
160.00
MQ(55ppb)
S1
S3
CAL
AP(60.6ppb)
JO(71.2ppb)
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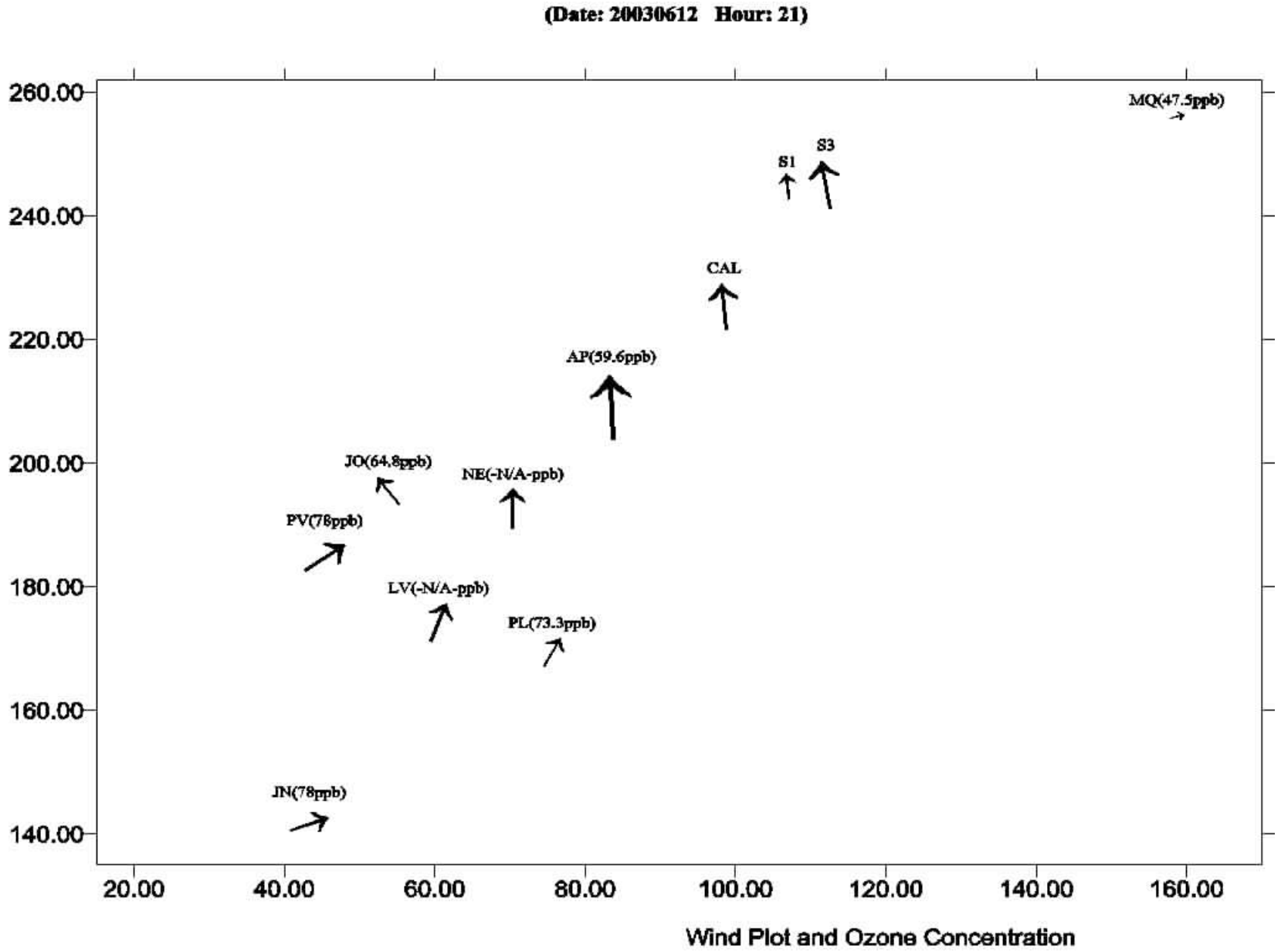
JN(81.3ppb)
Wind Plot and Ozone Concentration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140.00
160.00
MQ(47.5ppb)
S1
S3
CAL
AP(59.6ppb)
JO(64.8ppb)
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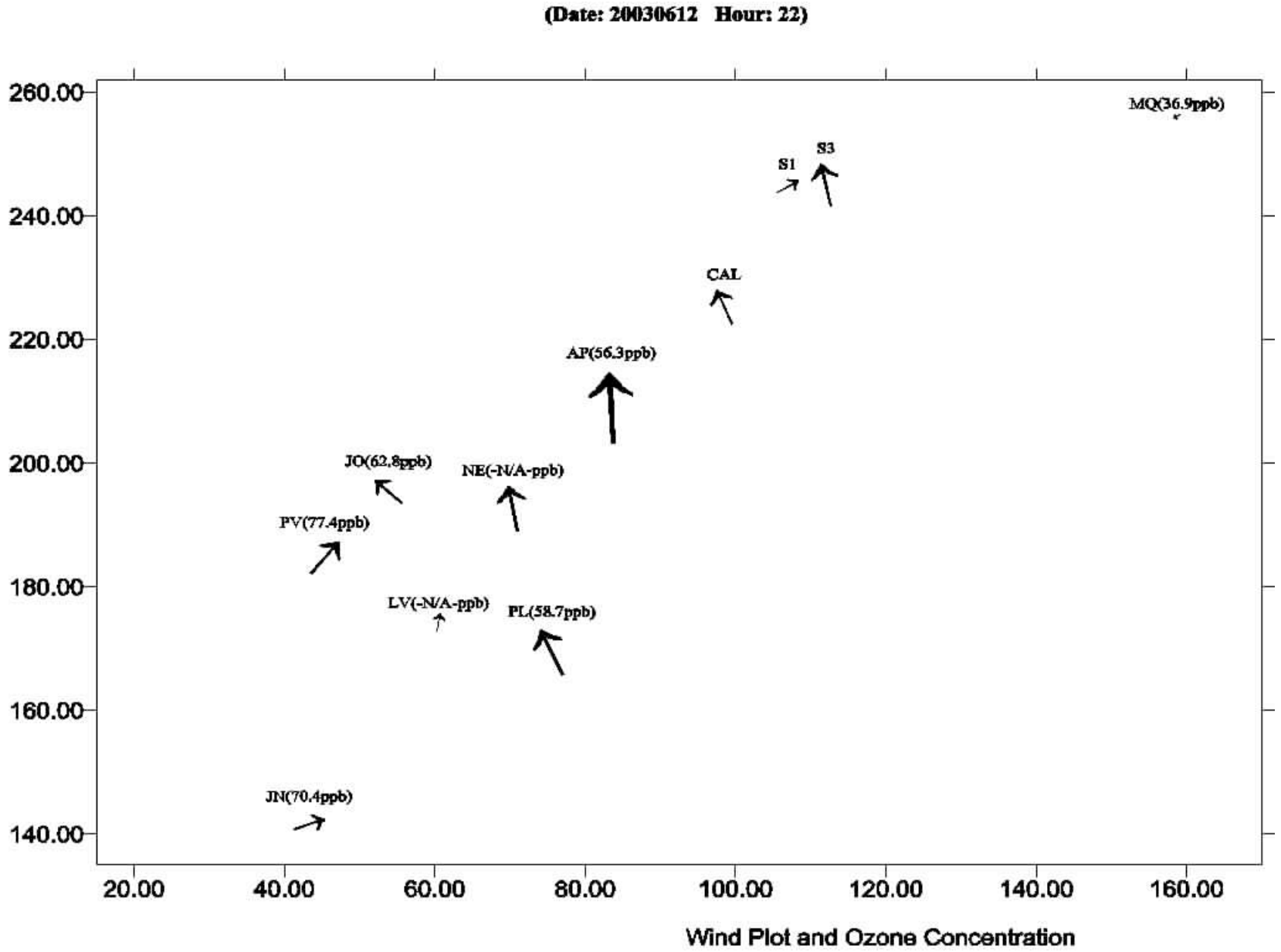
JN(78ppb)
Wind Plot and Ozone Concentration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140.00
160.00
MQ(36.9ppb)
S1
S3
CAL
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JO(62.8ppb)
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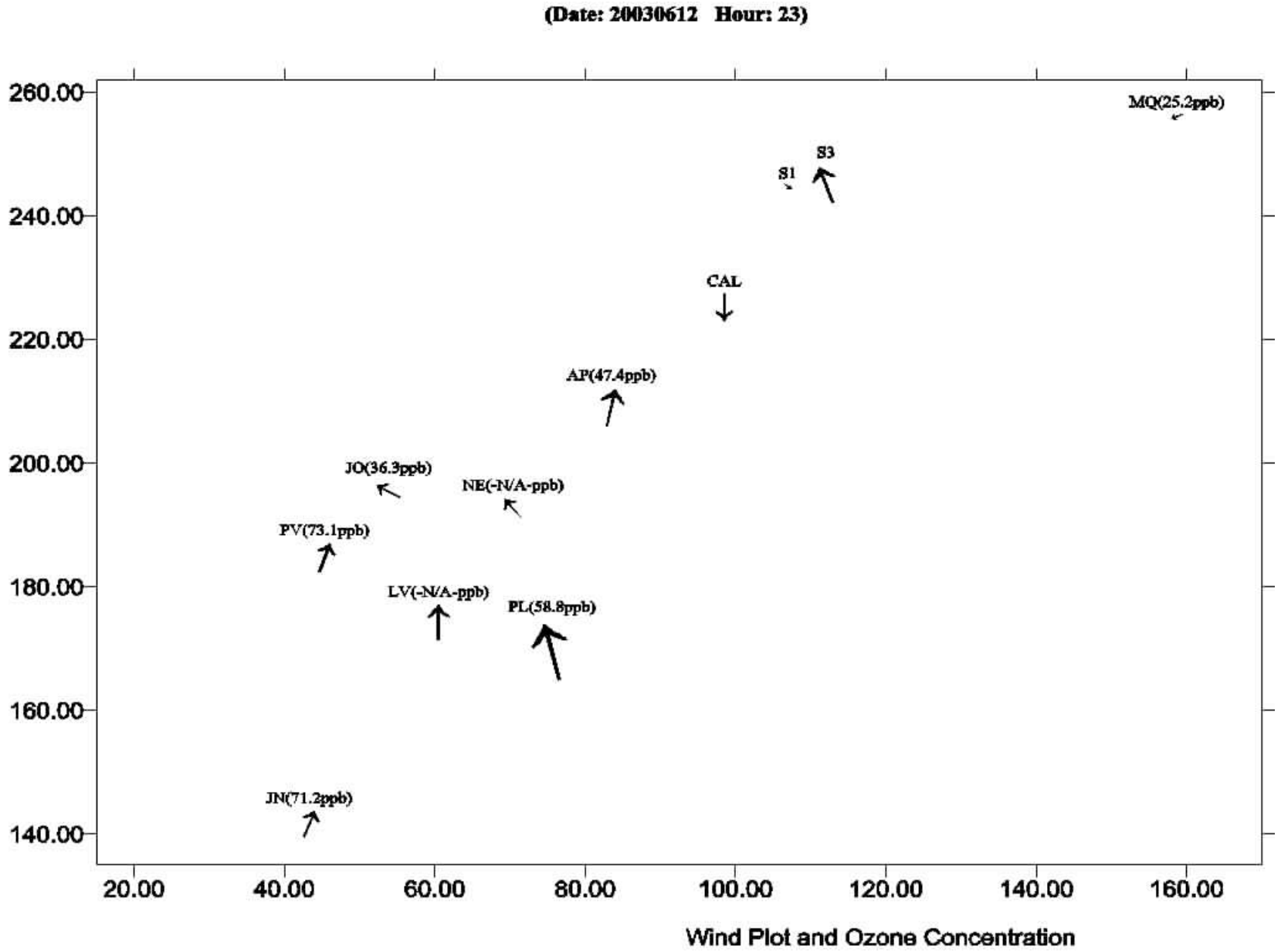
JN(70.4ppb)
Wind Plot and Ozone Concentration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JO(36.3ppb)
NE(-N/A-ppb)
PV(73.1ppb)
LV(-N/A-ppb)
PL(58.8ppb)
JN(71.2ppb)
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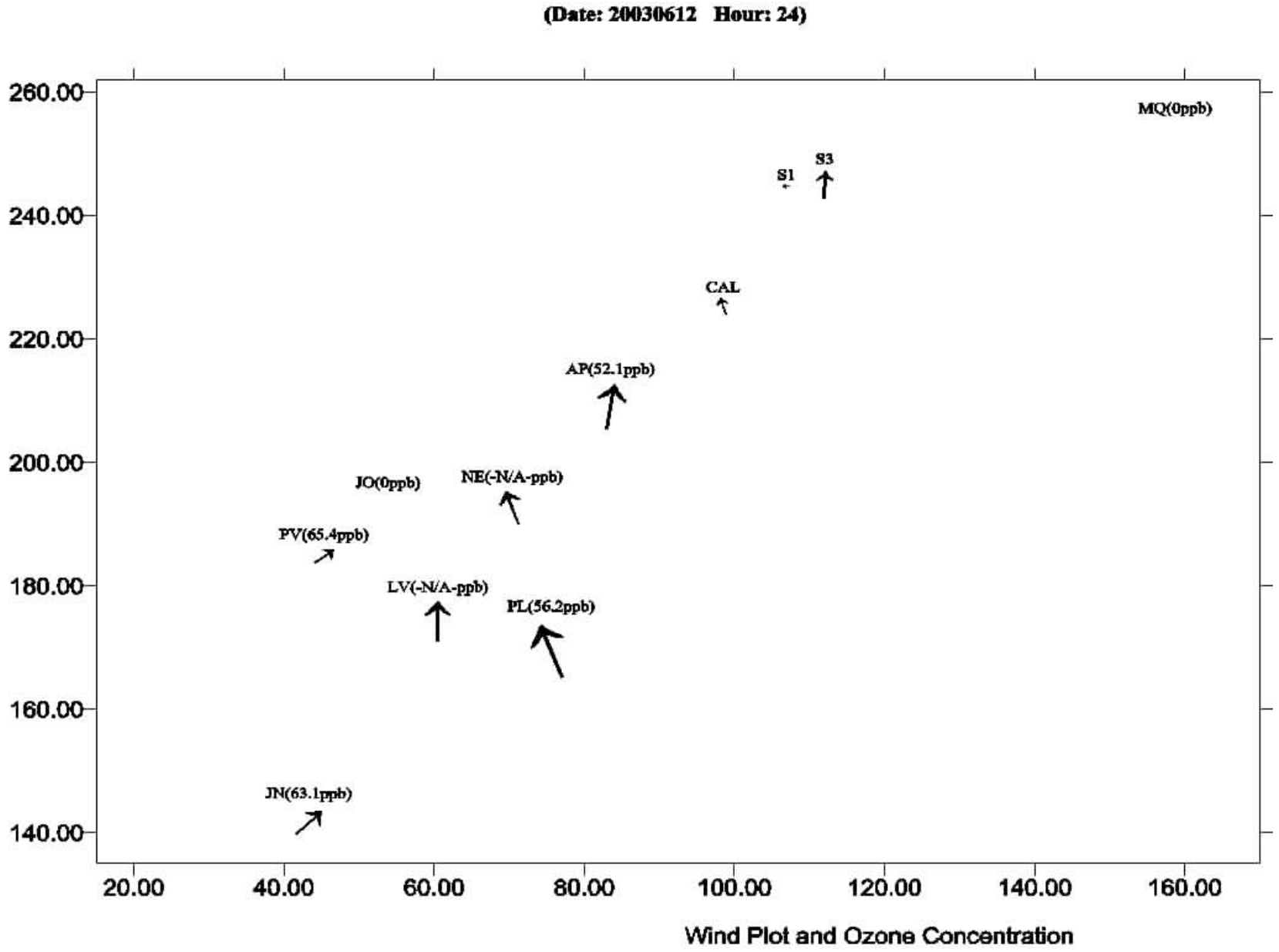
Wind Plot and Ozone Concentration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140.00
160.00
MQ(0ppb)
S3
S1
CAL
AP(52.1ppb)
JO(0ppb)
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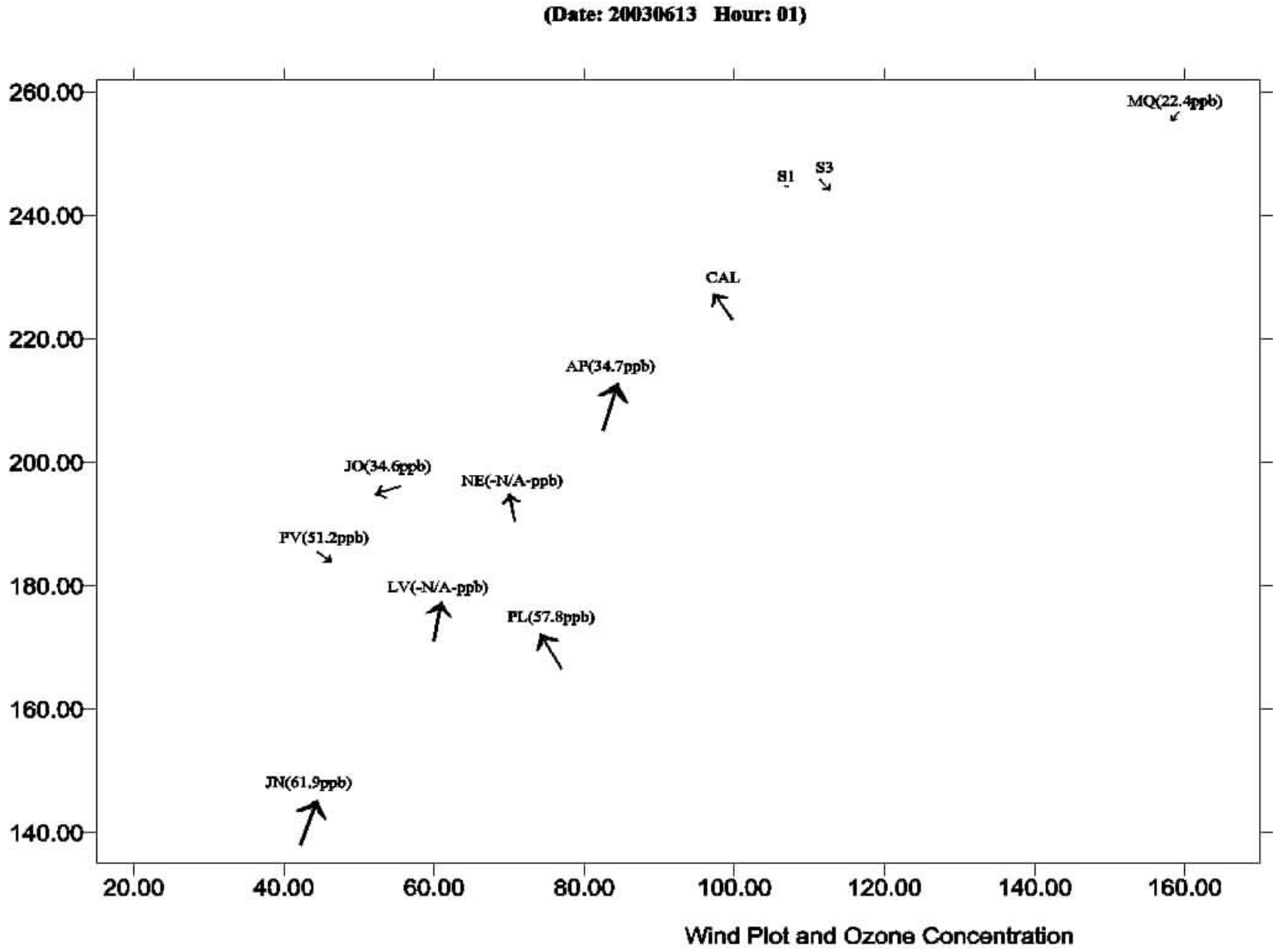
PL(56.2ppb)
JN(63.1ppb)
Wind Plot and Ozone Concentration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JO(34.6ppb)
NE(-N/A-ppb)
PV(51.2ppb)
LV(-N/A-ppb)
PL(57.8ppb)
JN(61.9ppb)
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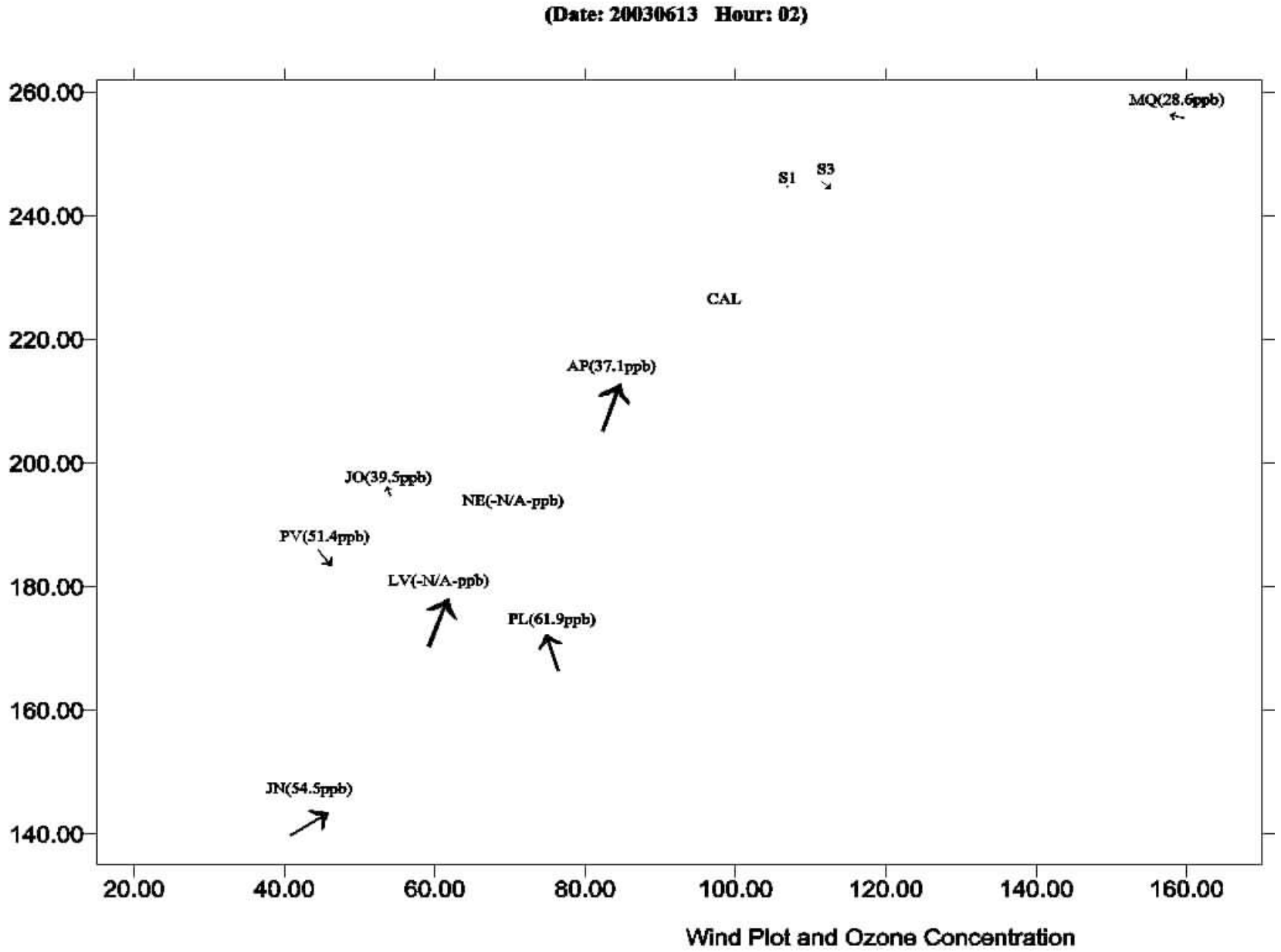
Wind Plot and Ozone Concentration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160.00
MQ(28.6ppb)
S1
S3
CAL
AP(37.1ppb)
JO(39.5ppb)
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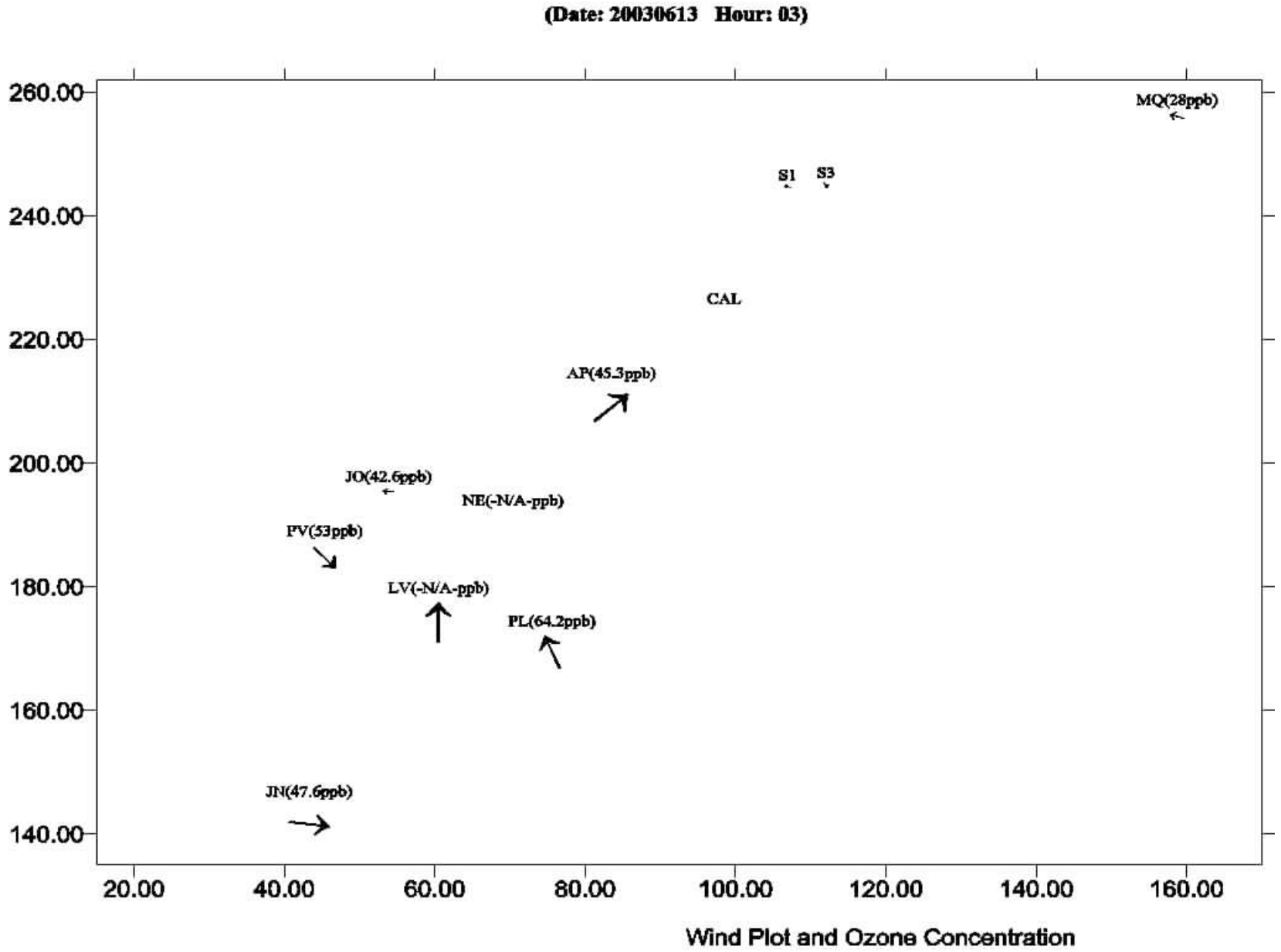
LV(-N/A-ppb)
PL(61.9ppb)
JN(54.5ppb)
Wind Plot and Ozone Concentration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140.00
160.00
MQ(28ppb)
S1
S3
CAL
AP(45.3ppb)
JO(42.6ppb)
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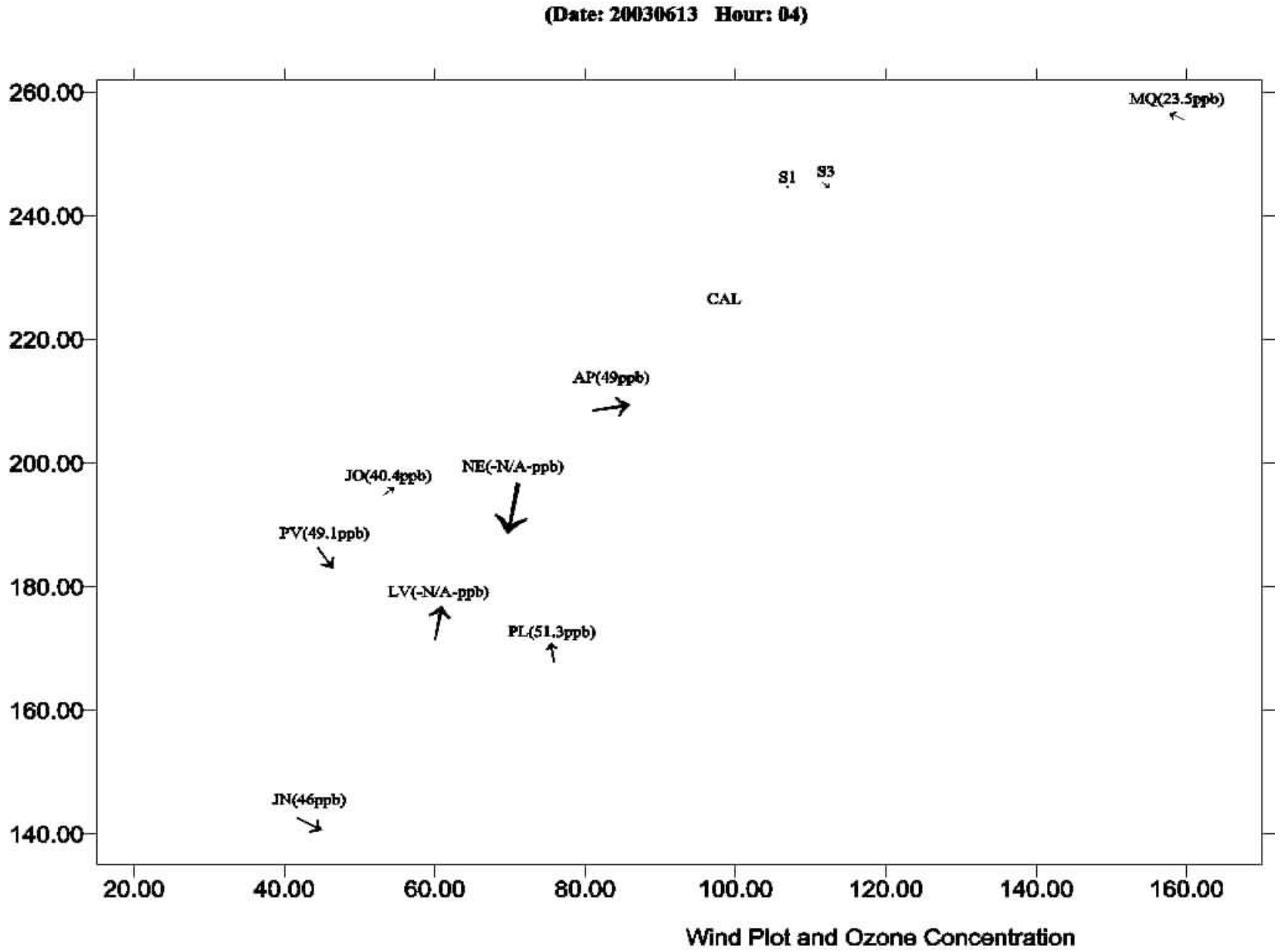
FV(53ppb)
LV(-N/A-ppb)
PL(64.2ppb)
JN(47.6ppb)
Wind Plot and Ozone Concentration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120.00
140.00
160.00
MQ(23.5ppb)
S1
S3
CAL
AP(49ppb)
JO(40.4ppb)
NE(-N/A-ppb)
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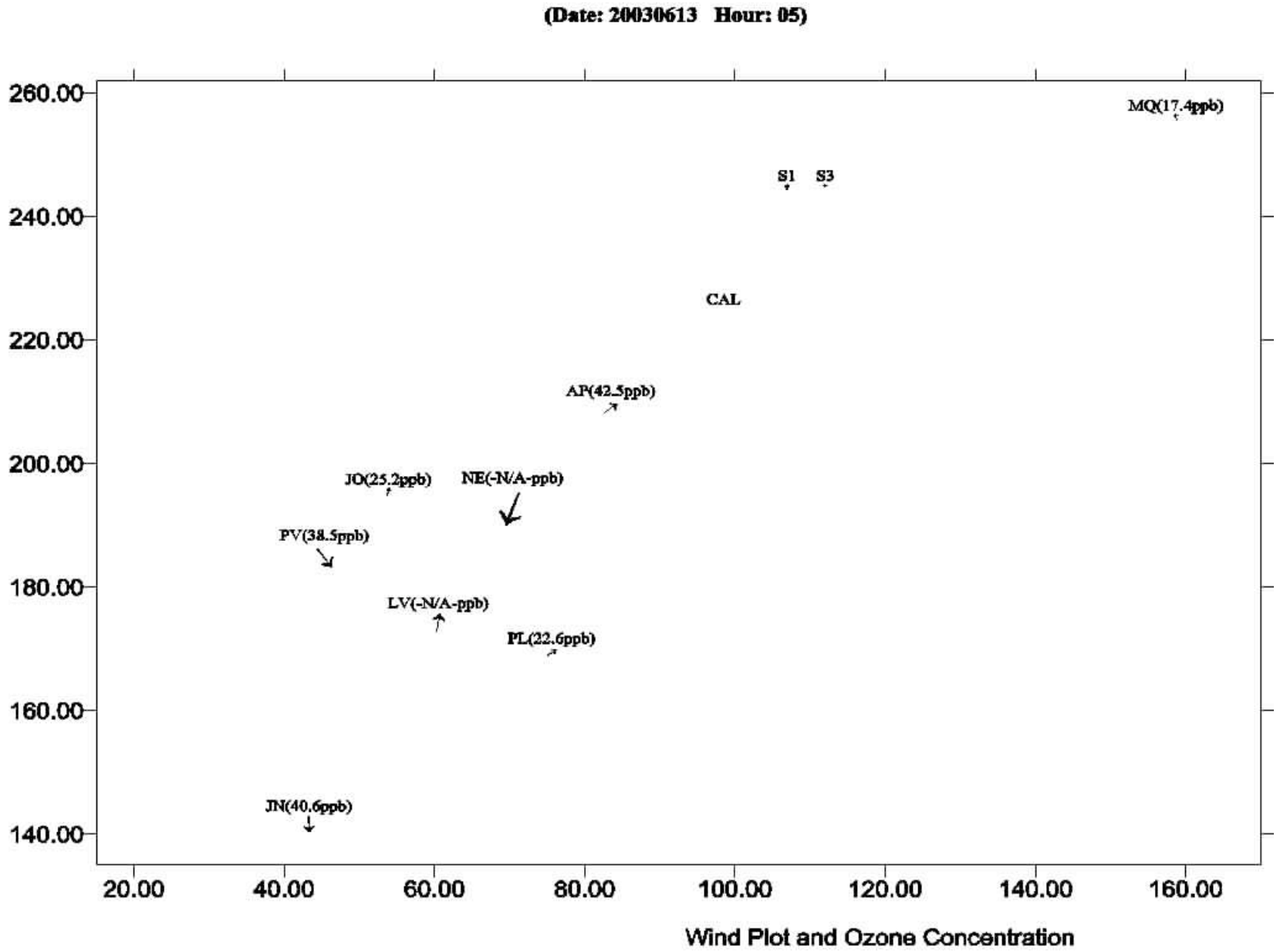
LV(-N/A-ppb)
PL(51.3ppb)
JN(46ppb)
Wind Plot and Ozone Concentration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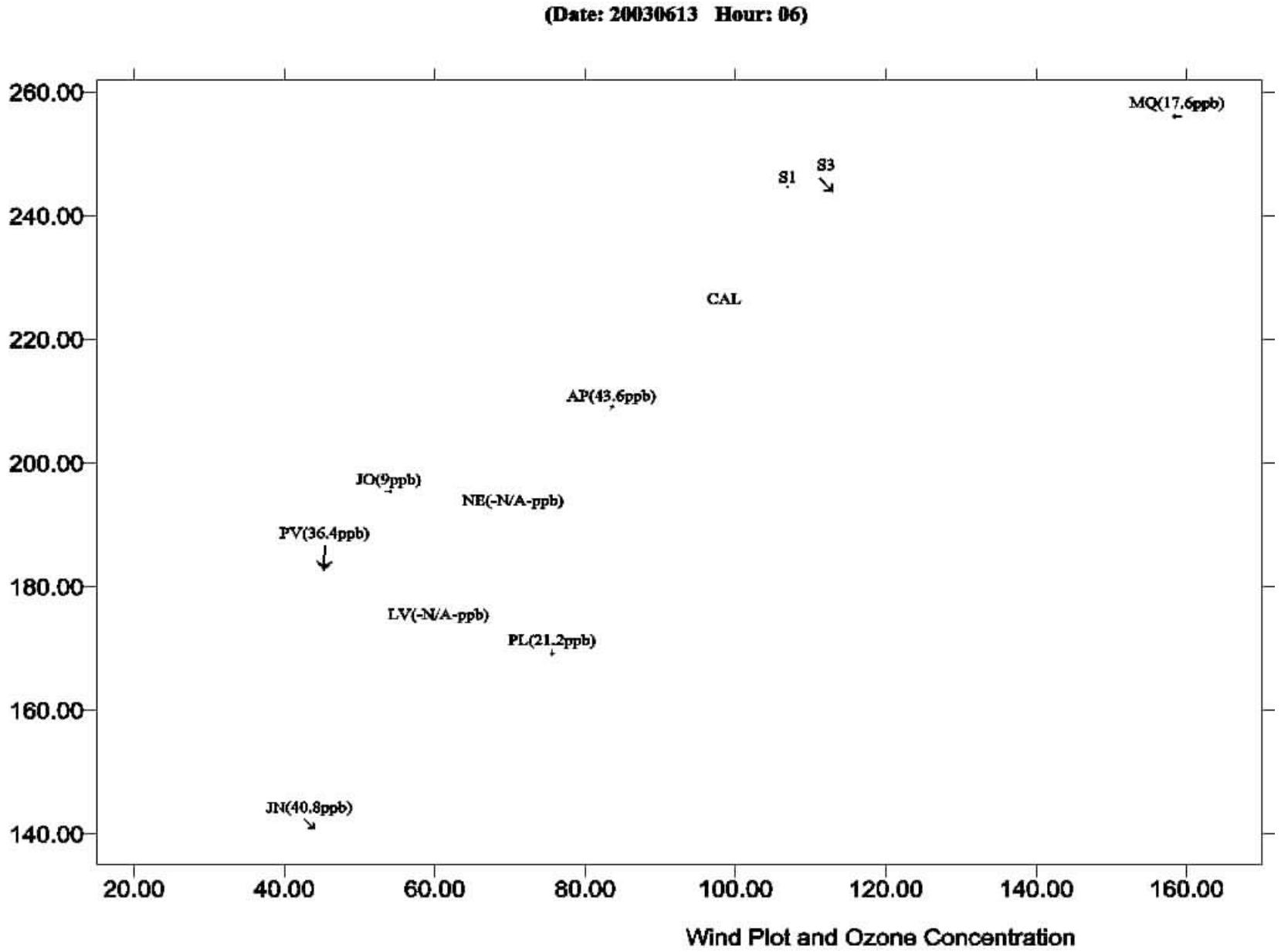
100.00
120.00
140.00
160.00
MQ(17.4ppb)
S1
S3
CAL
AP(42.5ppb)
JO(25.2ppb)
NE(-N/A-ppb)
PV(38.5ppb)
LV(-N/A-ppb)
PL(22.6ppb)
JN(40.6ppb)
Wind Plot and Ozone Concentration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S3
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AP(43.6ppb)
JO(9ppb)
NE(-N/A-ppb)
PV(36.4ppb)
LV(-N/A-ppb)
PL(21.2ppb)
JN(40.8ppb)
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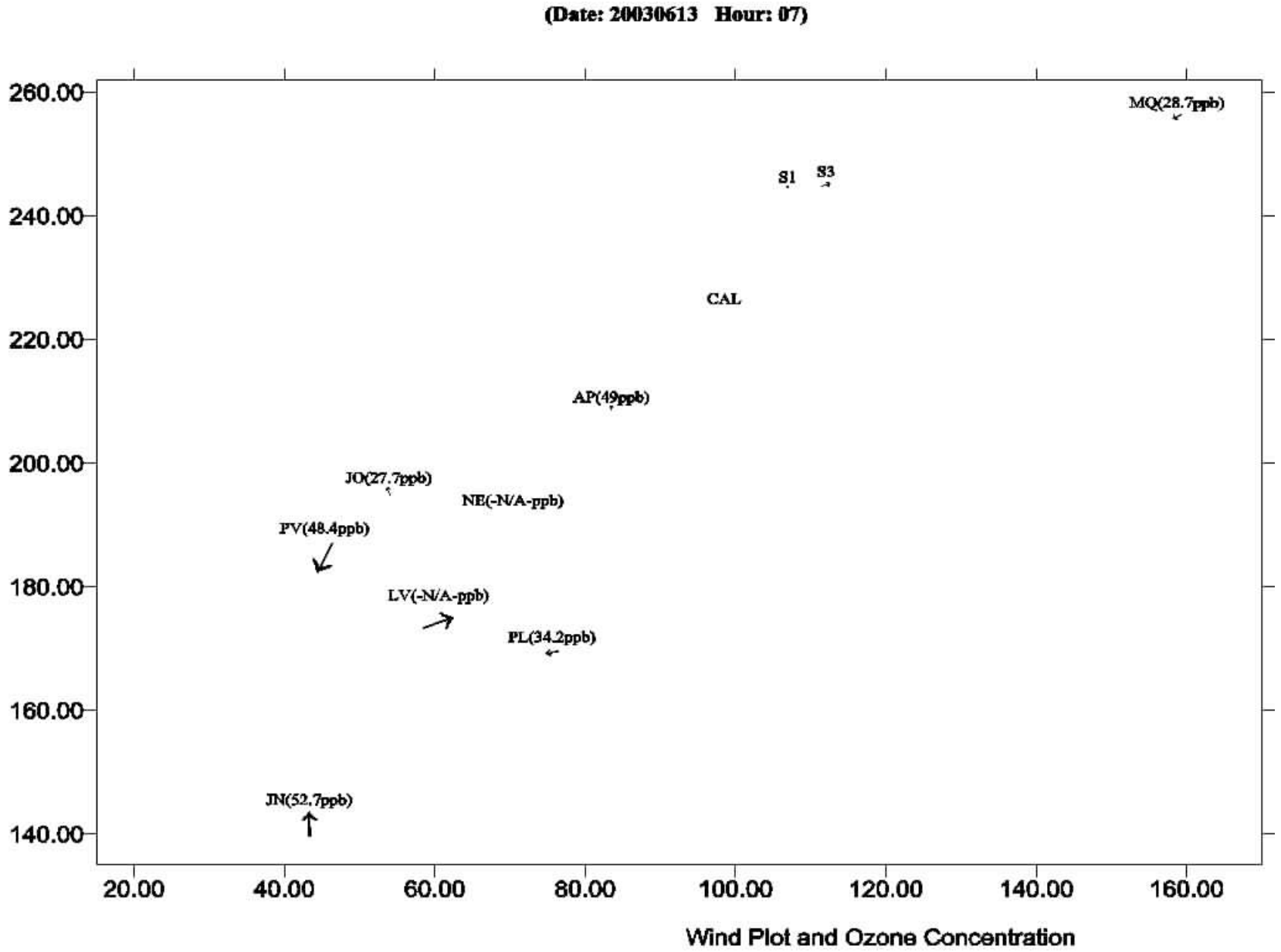
Wind Plot and Ozone Concentration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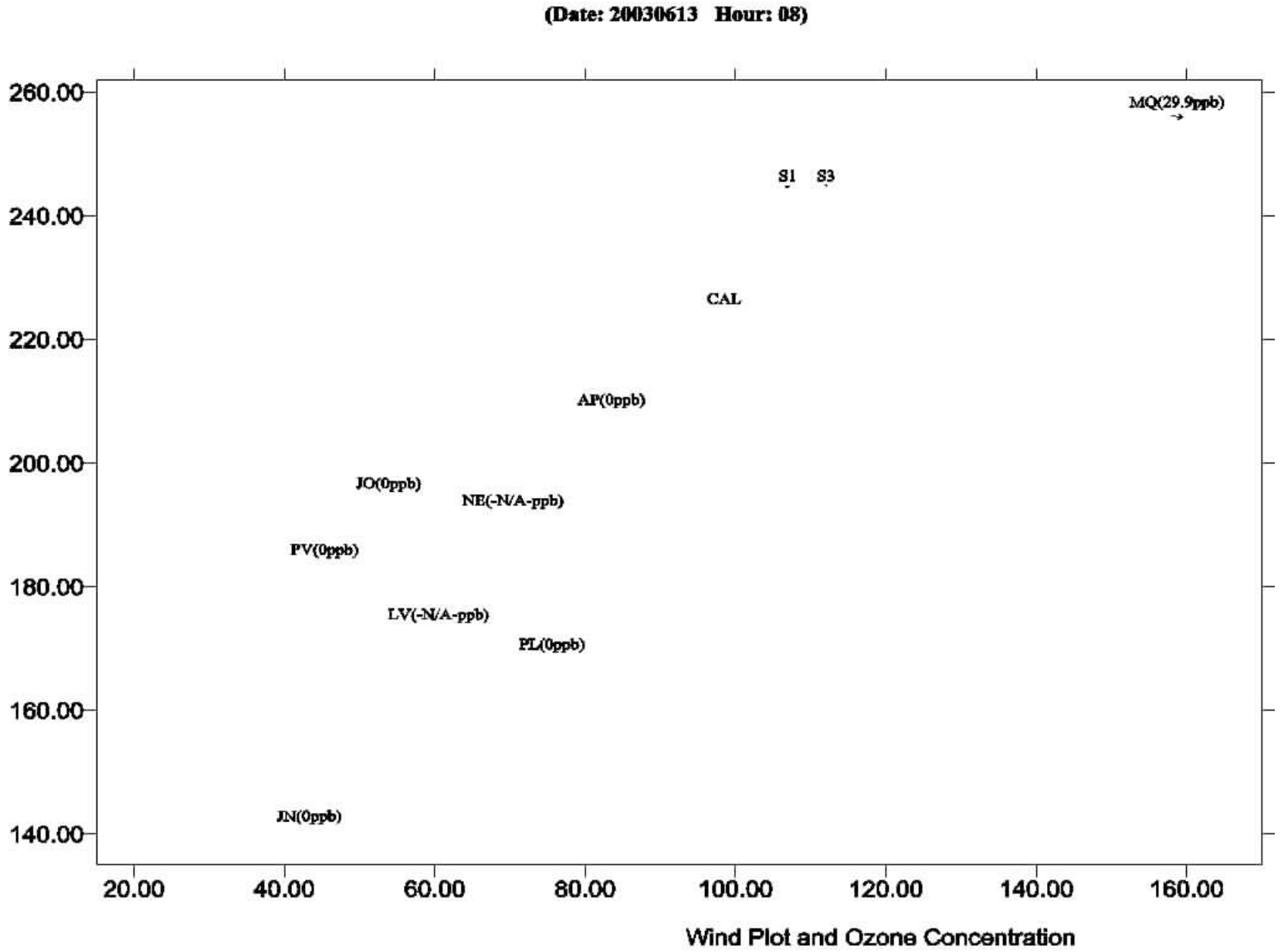
100.00
120.00
140.00
160.00
MQ(28.7ppb)
S1
S3
CAL
AP(49ppb)
JO(27.7ppb)
NE(-N/A-ppb)
PV(48.4ppb)
LV(-N/A-ppb)
PL(34.2ppb)
JN(52.7ppb)
Wind Plot and Ozone Concentration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MQ(29.9ppb)
S1
S3
CAL
AP(0ppb)
JO(0ppb)
NE(-N/A-ppb)
PV(0ppb)
LV(-N/A-ppb)
PL(0ppb)
JN(0ppb)
20.00
40.00
60.00
80.00
100.00
120.00
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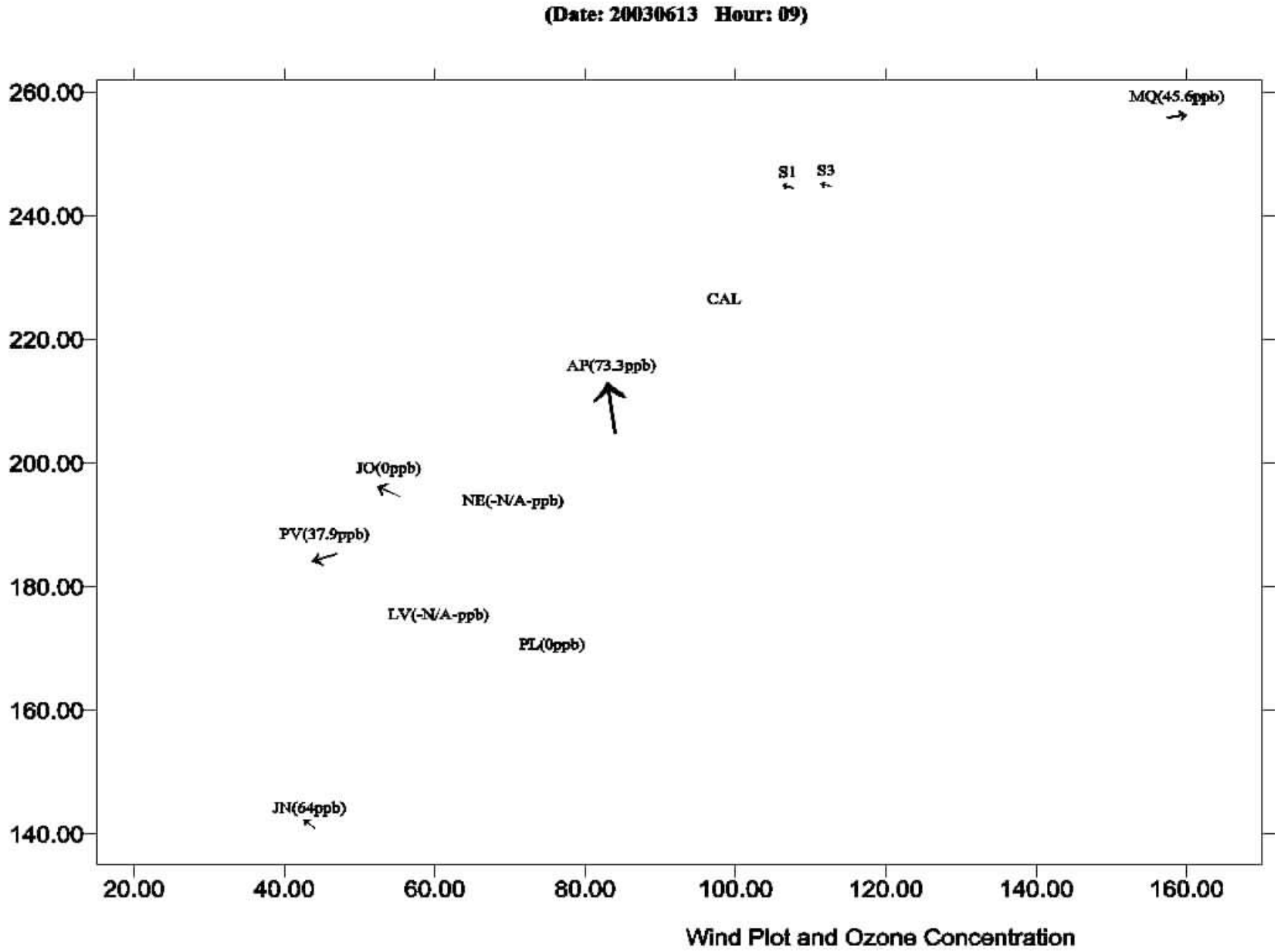
Wind Plot and Ozone Concentration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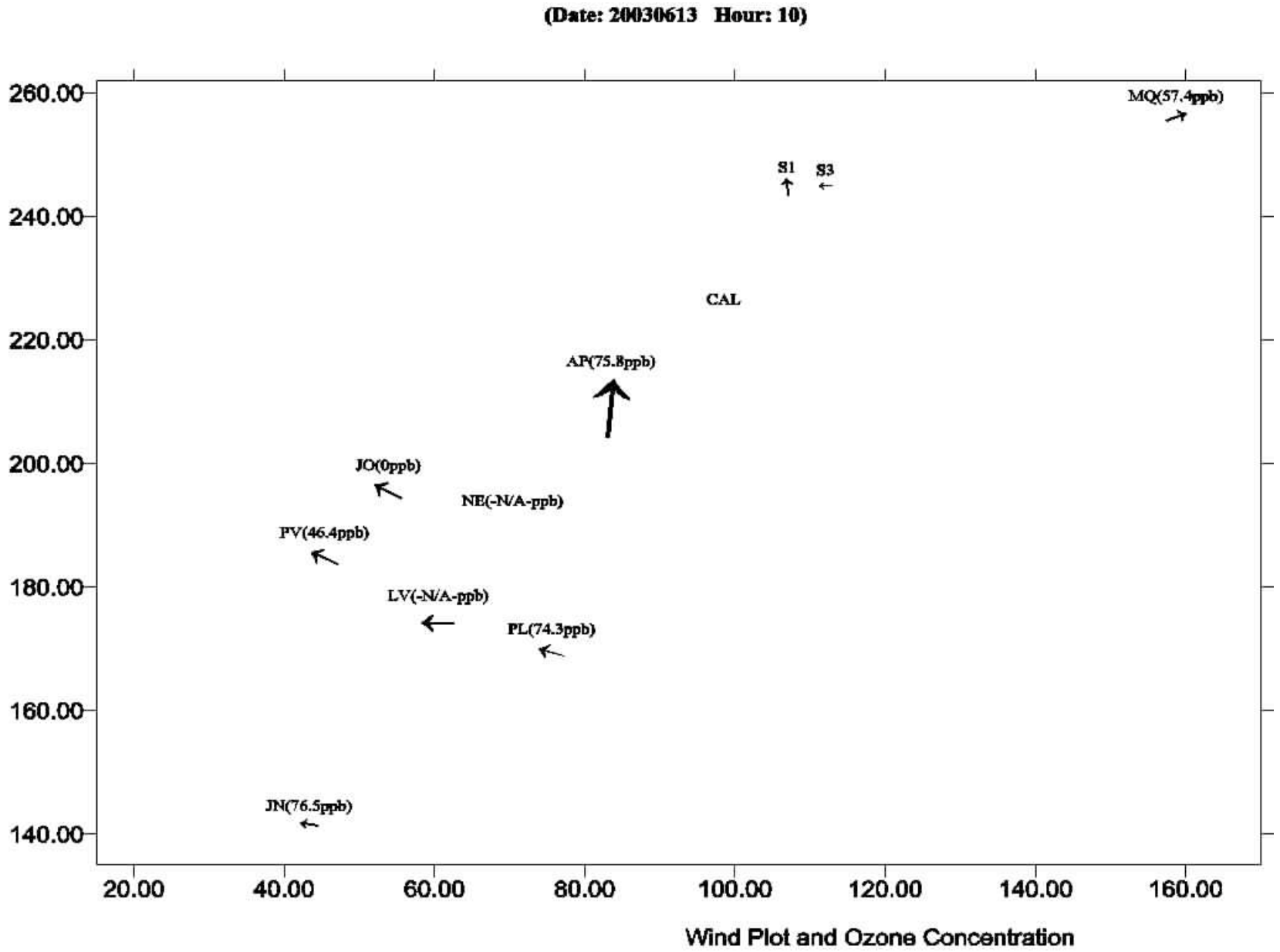
80.00
100.00
120.00
140.00
160.00
MQ(45.6ppb)
S1
S3
CAL
AP(73.3ppb)
JO(0ppb)
NE(-N/A-ppb)
PV(37.9ppb)
LV(-N/A-ppb)
PL(0ppb)
JN(64ppb)
Wind Plot and Ozone Concentration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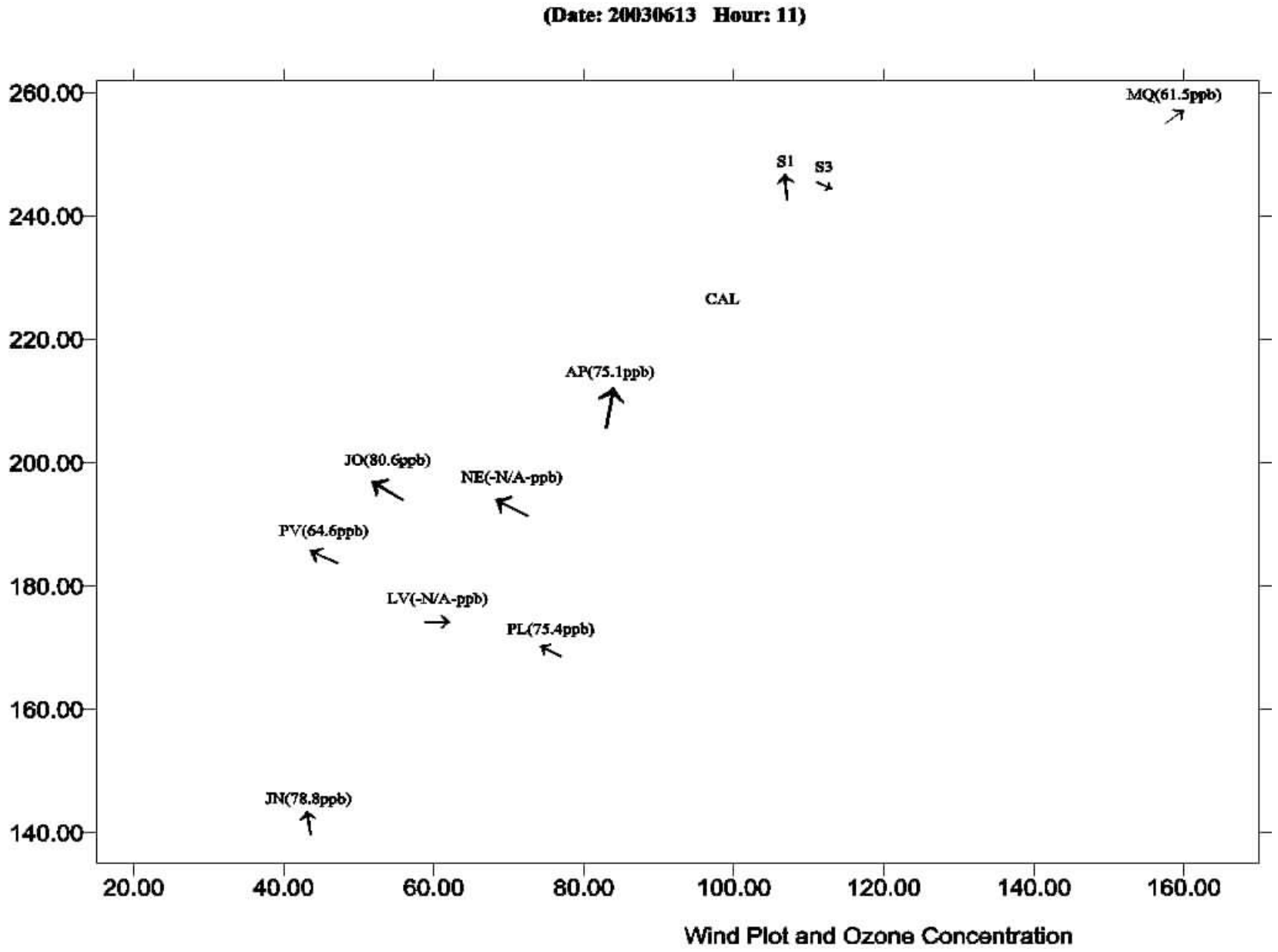
40.00
60.00
80.00
100.00
120.00
140.00
160.00
MQ(57.4ppb)
S1
S3
CAL
AP(75.8ppb)
JO(0ppb)
NE(-N/A-ppb)
PV(46.4ppb)
LV(-N/A-ppb)
PL(74.3ppb)
JN(76.5ppb)
Wind Plot and Ozone Concentration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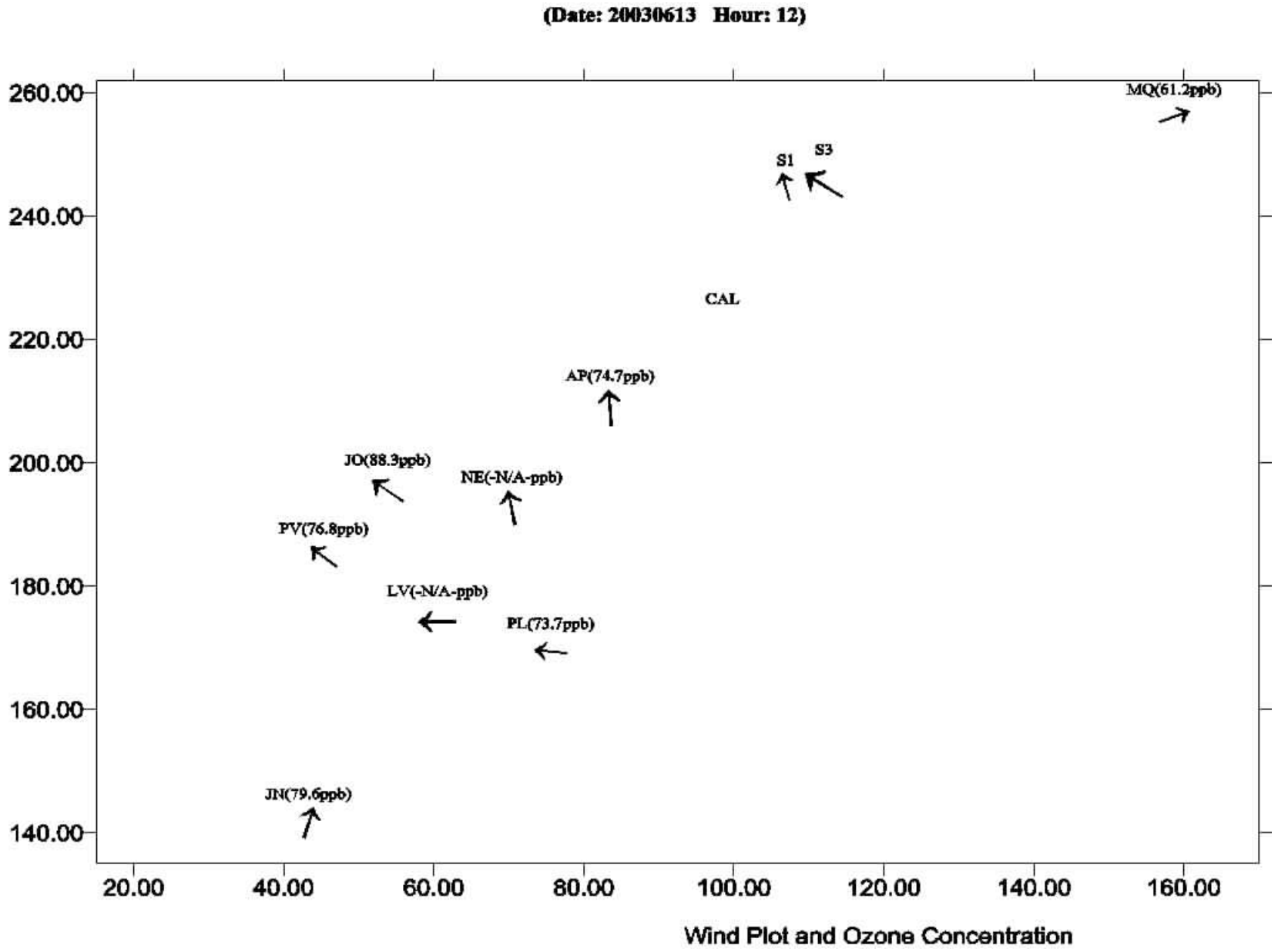
160.00
140.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
MQ(61.5ppb)
S1
S3
CAL
AP(75.1ppb)
JO(80.6ppb)
NE(-N/A-ppb)
PV(64.6ppb)
LV(-N/A-ppb)
PL(75.4ppb)
JN(78.8ppb)
Wind Plot and Ozone Concentration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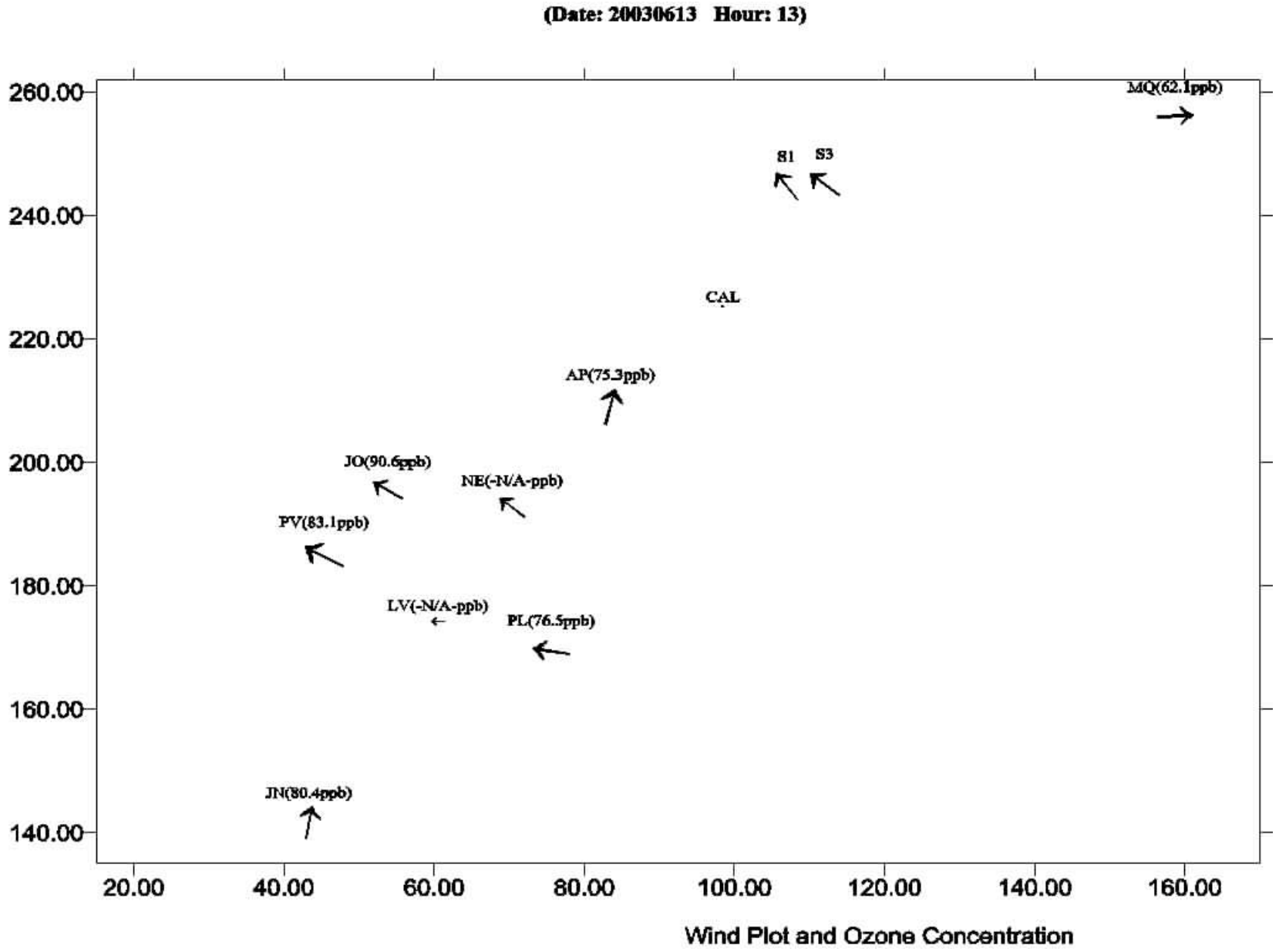
60.00
80.00
100.00
120.00
140.00
160.00
MQ(61.2ppb)
S1
S3
CAL
AP(74.7ppb)
JO(88.3ppb)
NE(-N/A-ppb)
PV(76.8ppb)
LV(-N/A-ppb)
PL(73.7ppb)
JN(79.6ppb)
Wind Plot and Ozone Concentration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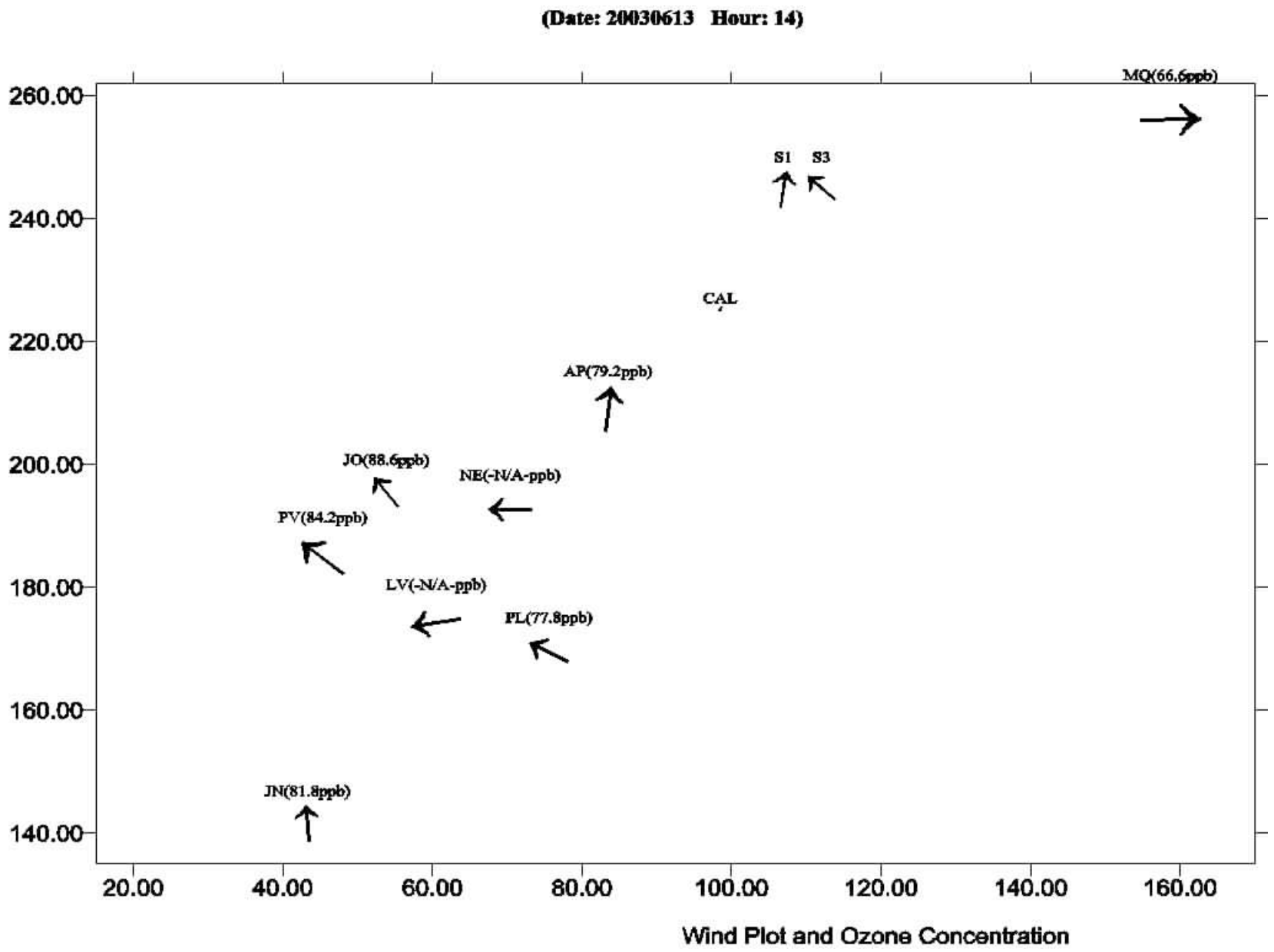
80.00
100.00
120.00
140.00
160.00
MQ(62.1ppb)
S1
S3
CAL
AP(75.3ppb)
JO(90.6ppb)
NE(-N/A-ppb)
PV(83.1ppb)
LV(-N/A-ppb)
PL(76.5ppb)
JN(80.4ppb)
Wind Plot and Ozone Concentration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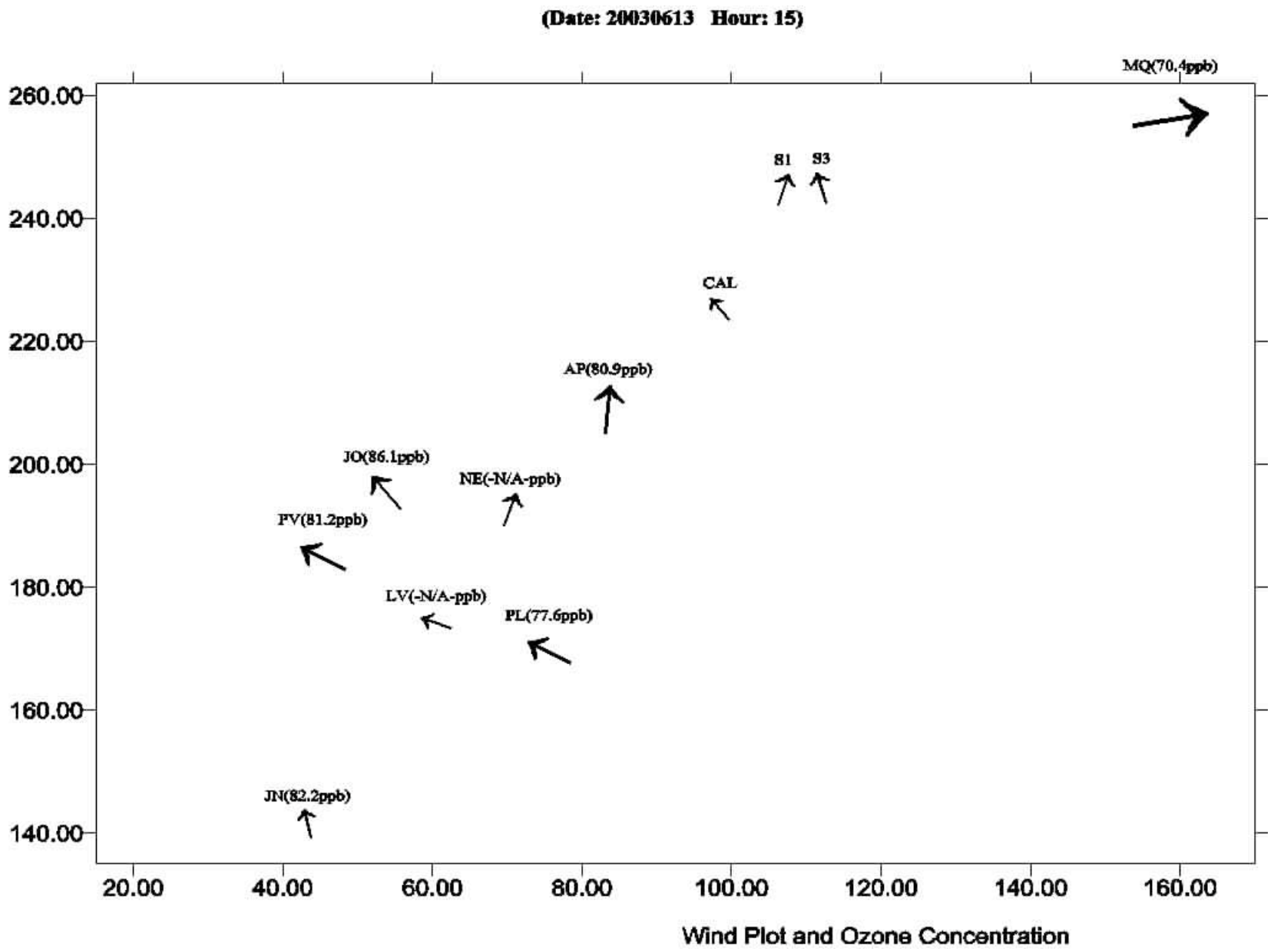
140.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
MQ(66.6ppb)
S1
S3
CAL
AP(79.2ppb)
JO(88.6ppb)
NE(-N/A-ppb)
PV(84.2ppb)
LV(-N/A-ppb)
PL(77.8ppb)
JN(81.8ppb)
Wind Plot and Ozone Concentration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S3
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JO(86.1ppb)
NE(-N/A-ppb)
FV(81.2ppb)
LV(-N/A-ppb)
PL(77.6ppb)
JN(82.2ppb)
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180.00
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140.00
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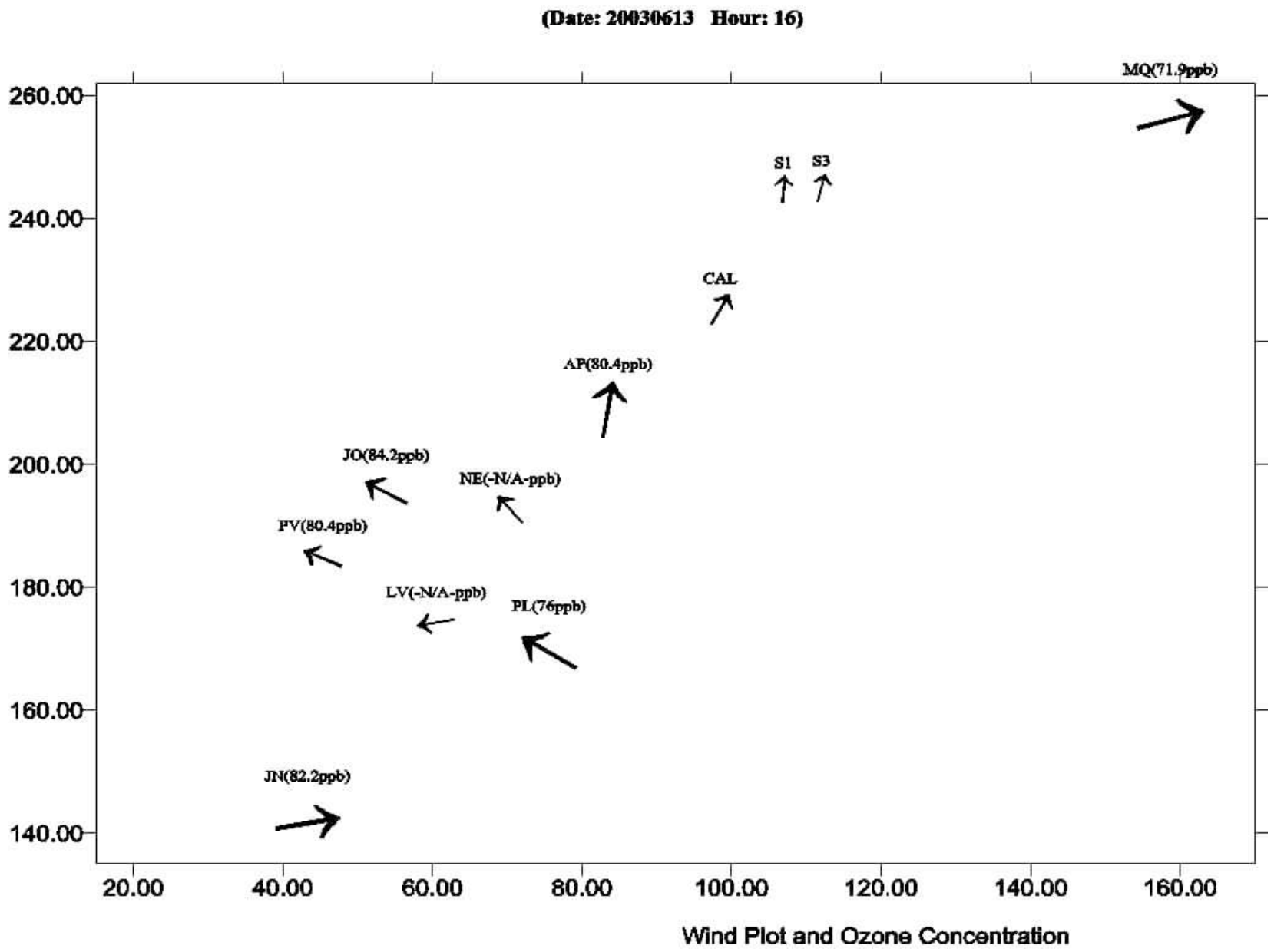
Wind Plot and Ozone Concentration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S3
CAL
AP(80.4ppb)
JO(84.2ppb)
NE(-N/A-ppb)
PV(80.4ppb)
LV(-N/A-ppb)
PL(76ppb)
JN(82.2ppb)
260.00
240.00
220.00
200.00
180.00
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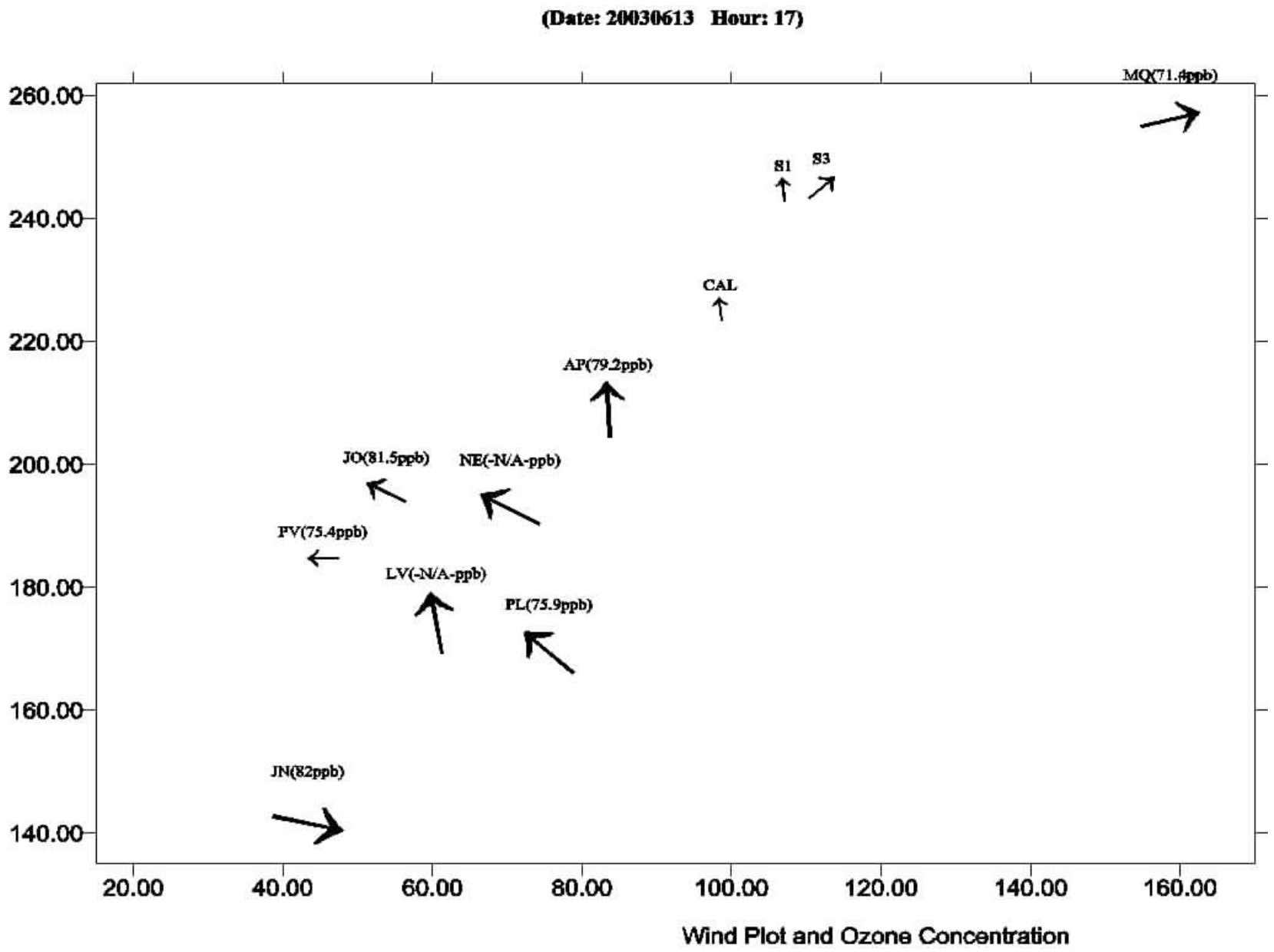
Wind Plot and Ozone Concentration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80.00
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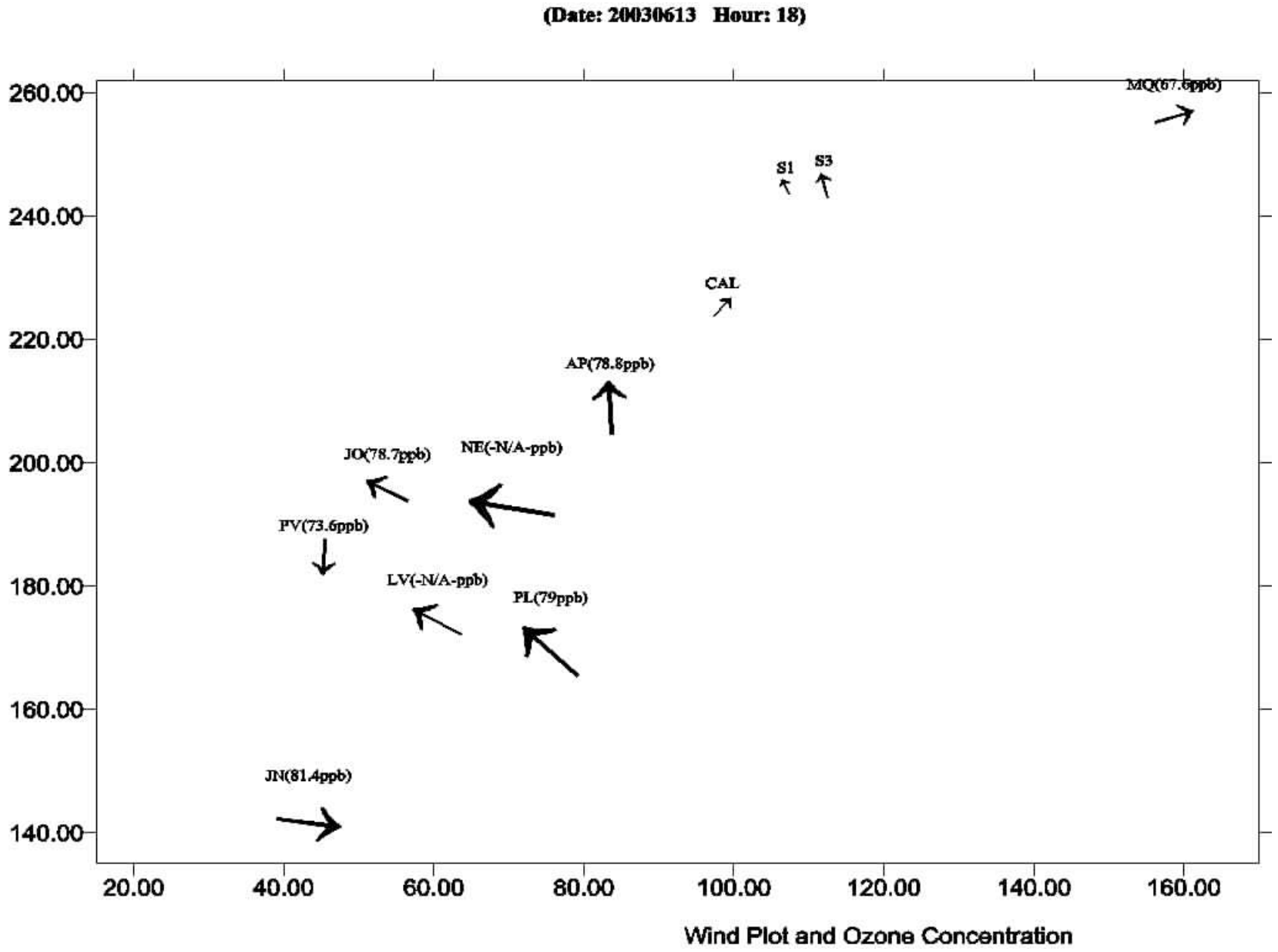
120.00
140.00
160.00
MQ(71.4ppb)
S1
S3
CAL
AP(79.2ppb)
JO(81.5ppb)
NE(-N/A-ppb)
FV(75.4ppb)
LV(-N/A-ppb)
PL(75.9ppb)
JN(82ppb)
Wind Plot and Ozone Concentration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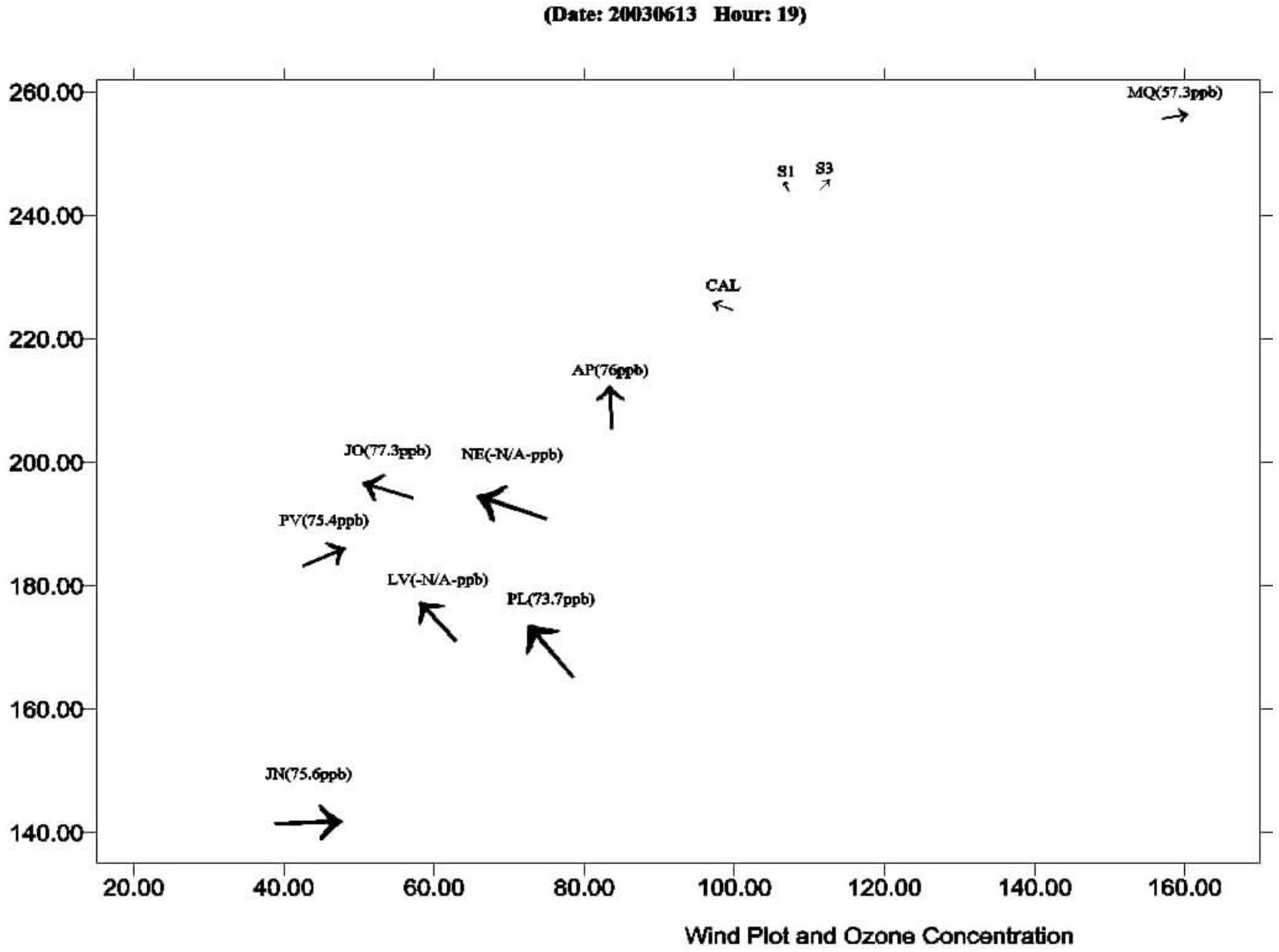
80.00
100.00
120.00
140.00
160.00
MQ(67.6ppb)
S1
S3
CAL
AP(78.8ppb)
JO(78.7ppb)
NE(-N/A-ppb)
PV(73.6ppb)
LV(-N/A-ppb)
PL(79ppb)
JN(81.4ppb)
Wind Plot and Ozone Concentration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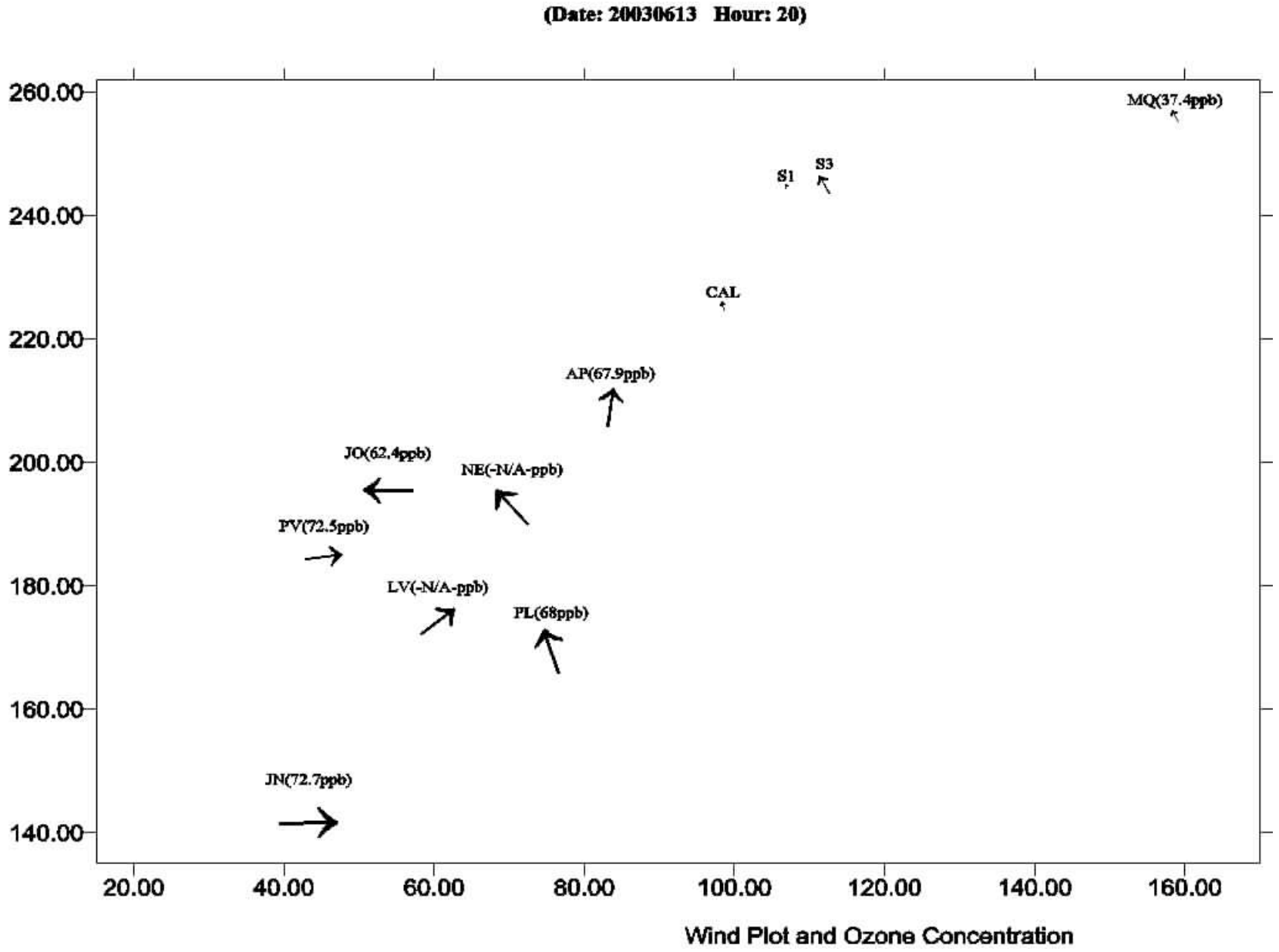
60.00
80.00
100.00
120.00
140.00
160.00
MQ(57.3ppb)
S1
S3
CAL
AP(76ppb)
JO(77.3ppb)
NE(-N/A-ppb)
PV(75.4ppb)
LV(-N/A-ppb)
PL(73.7ppb)
JN(75.6ppb)
Wind Plot and Ozone Concentration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80.00
100.00
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140.00
160.00
MQ(37.4ppb)
S1
S3
CAL
AP(67.9ppb)
JO(62.4ppb)
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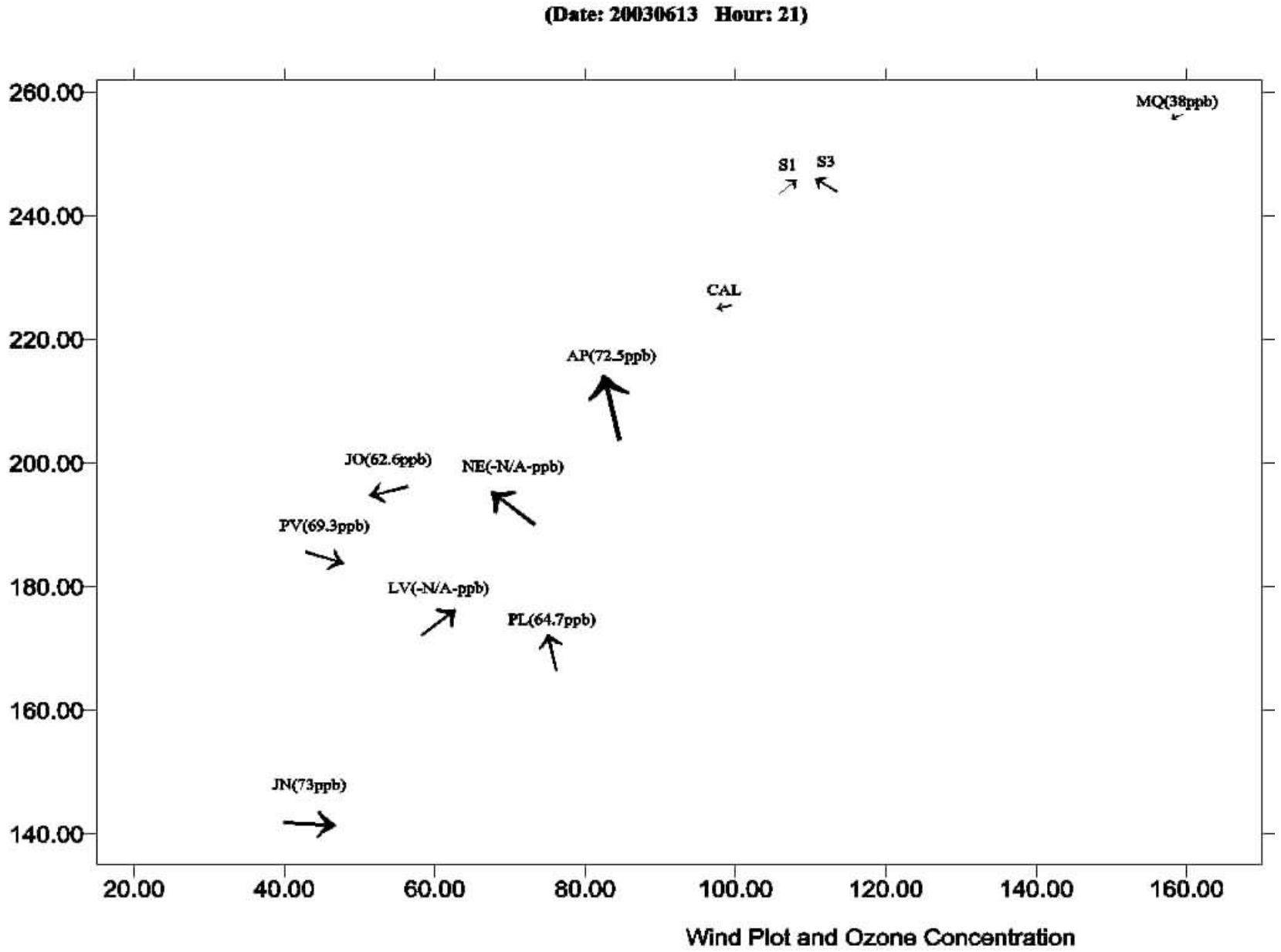
LV(-N/A-ppb)
PL(68ppb)
JN(72.7ppb)
Wind Plot and Ozone Concentration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80.00
100.00
120.00
140.00
160.00
MQ(38ppb)
S1
S3
CAL
AP(72.5ppb)
JO(62.6ppb)
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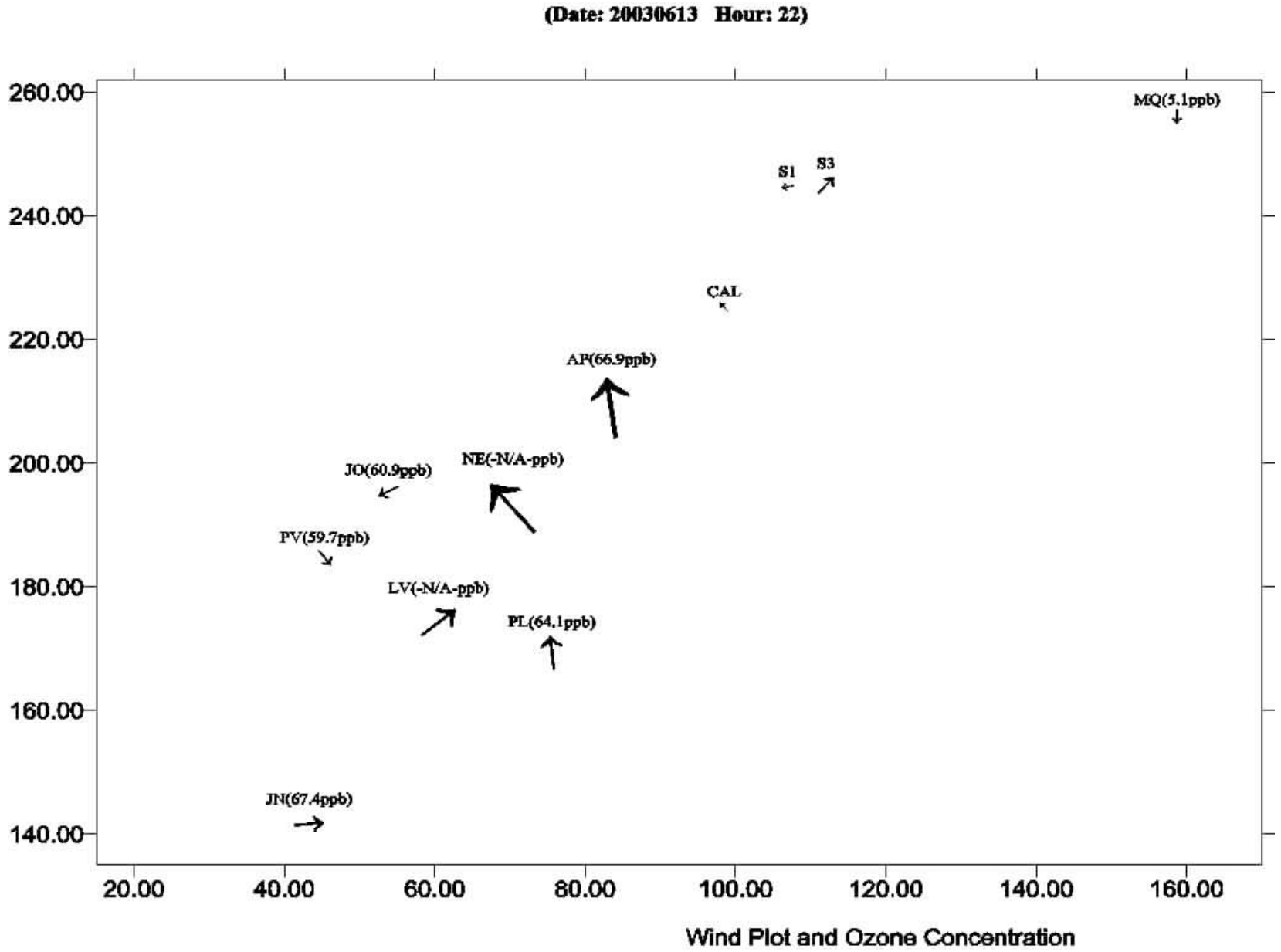
PV(69.3ppb)
LV(-N/A-ppb)
PL(64.7ppb)
JN(73ppb)
Wind Plot and Ozone Concentration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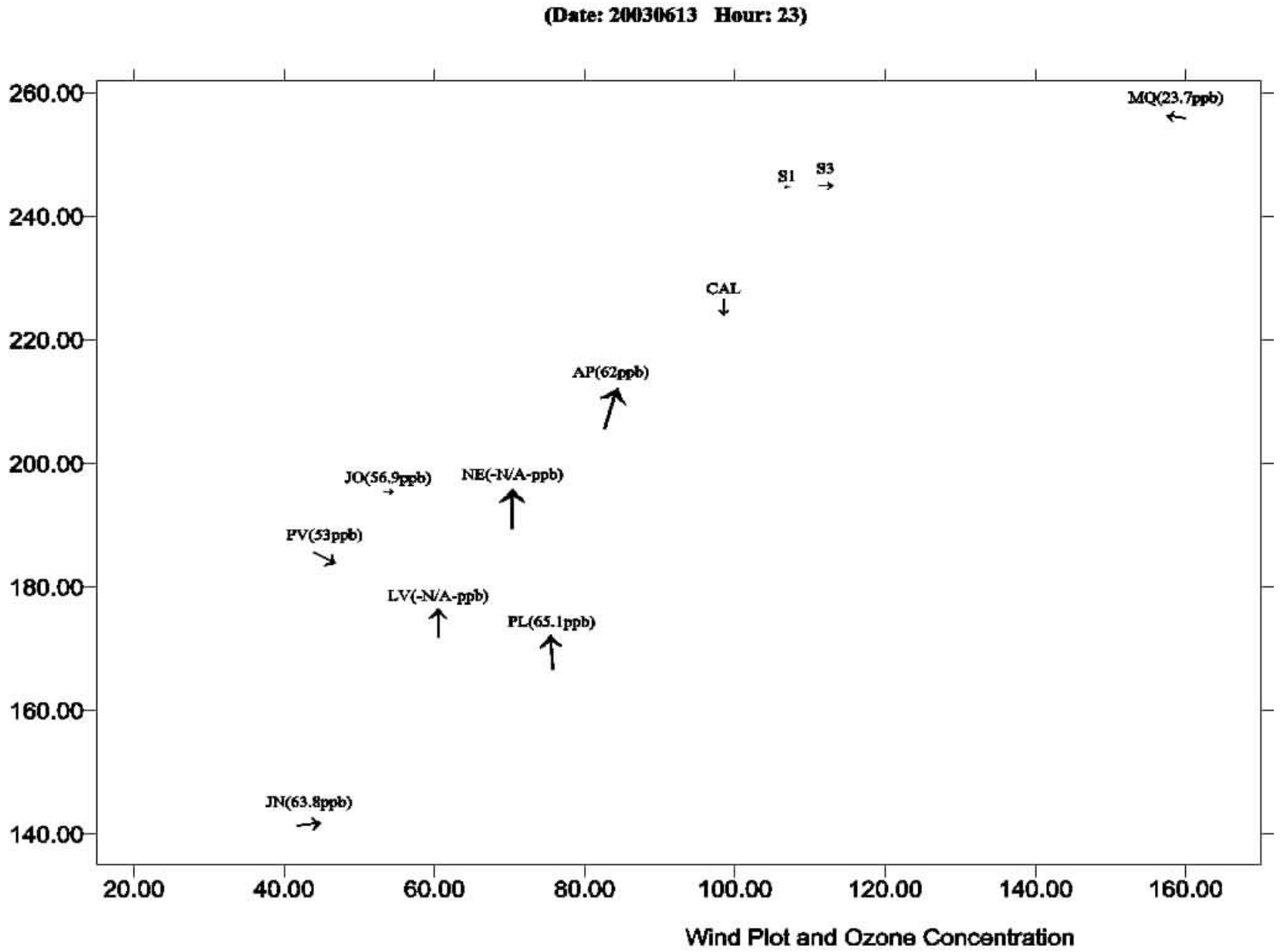
140.00
160.00
MQ(5.1ppb)
S1
S3
CAL
AP(66.9ppb)
NE(-N/A-ppb)
JO(60.9ppb)
PV(59.7ppb)
LV(-N/A-ppb)
PL(64.1ppb)
JN(67.4ppb)
Wind Plot and Ozone Concentration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100.00
120.00
140.00
160.00
MQ(23.7ppb)
S1
S3
CAL
AP(62ppb)
JO(56.9ppb)
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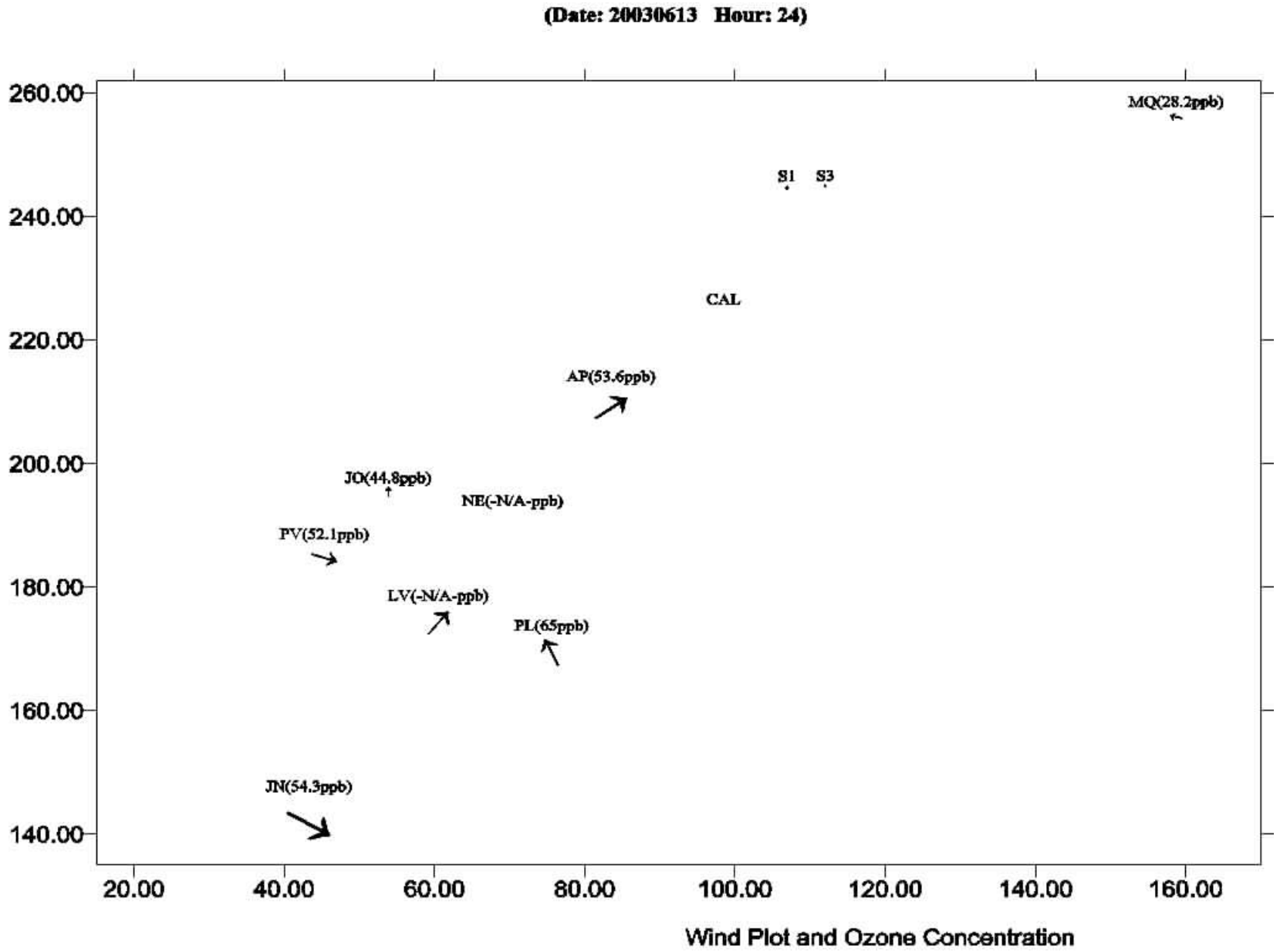
PV(53ppb)
LV(-N/A-ppb)
PL(65.1ppb)
JN(63.8ppb)
Wind Plot and Ozone Concentration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80.00
100.00
120.00
140.00
160.00
MQ(28.2ppb)
S1
S3
CAL
AP(53.6ppb)
JO(44.8ppb)
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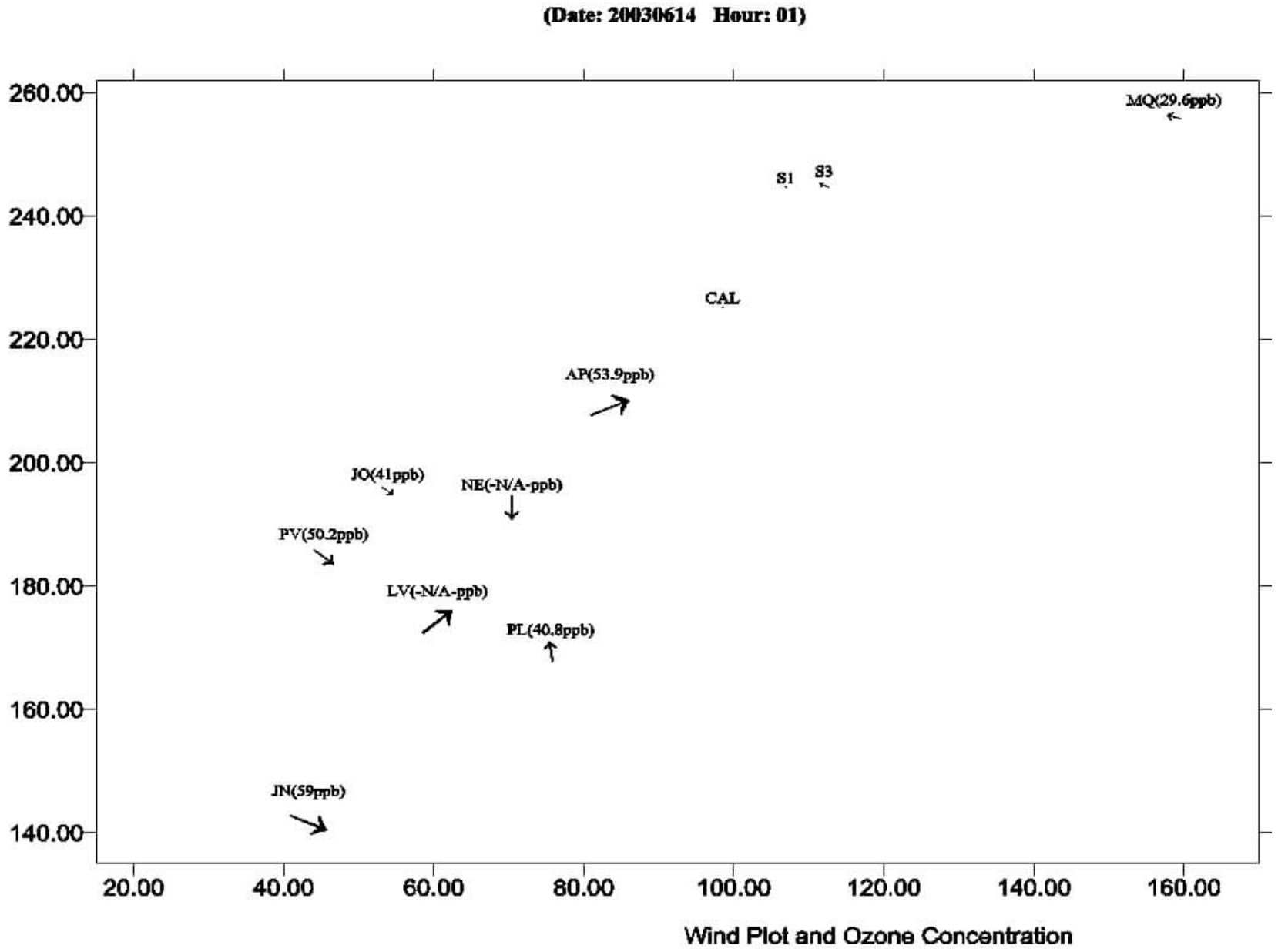
PV(52.1ppb)
LV(-N/A-ppb)
PL(65ppb)
JN(54.3ppb)
Wind Plot and Ozone Concentration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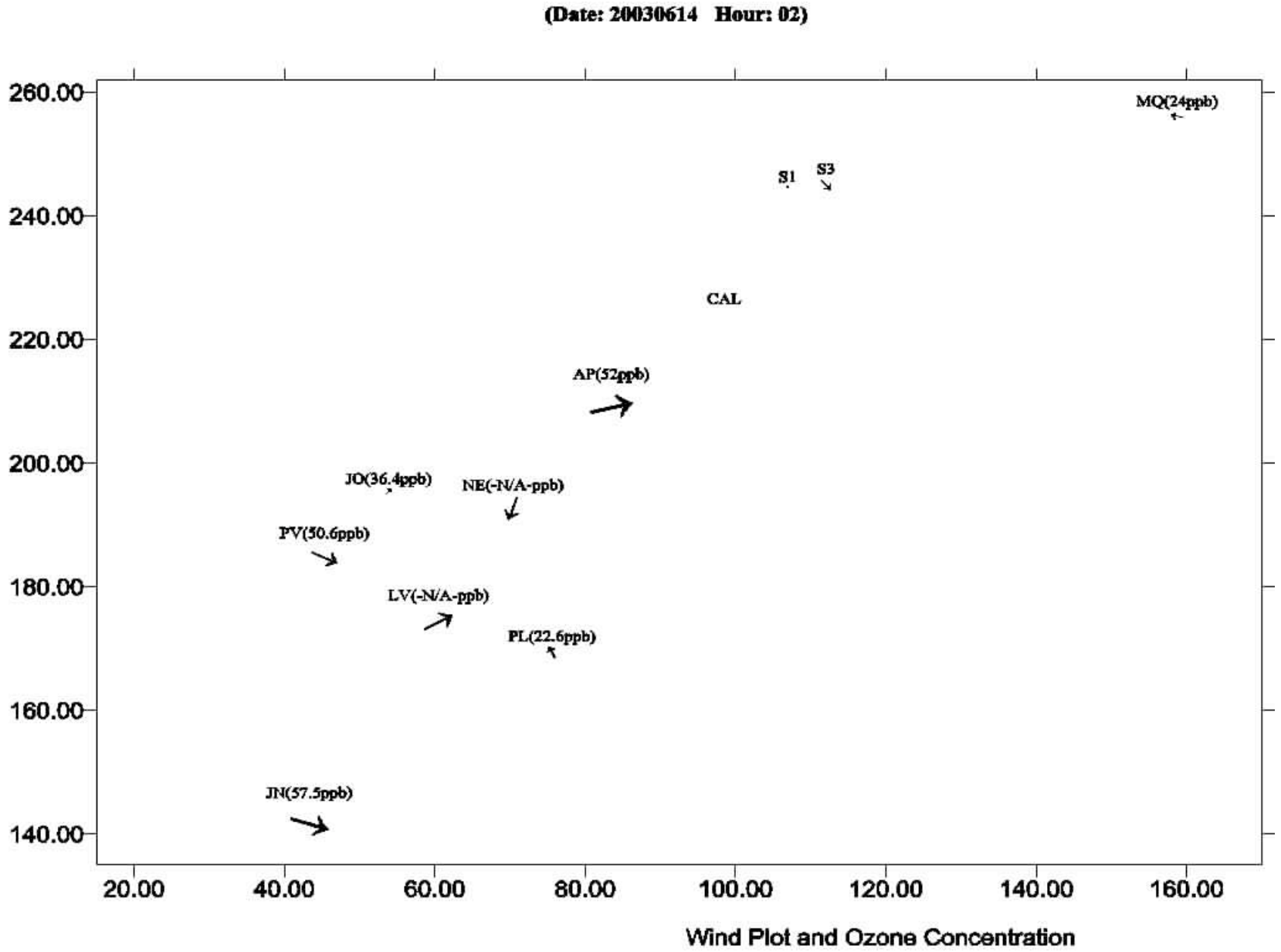
80.00
100.00
120.00
140.00
160.00
MQ(29.6ppb)
S1
S3
CAL
AP(53.9ppb)
JO(41ppb)
NE(-N/A-ppb)
PV(50.2ppb)
LV(-N/A-ppb)
PL(40.8ppb)
JN(59ppb)
Wind Plot and Ozone Concentration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S3
CAL
AP(52ppb)
JO(36.4ppb)
NE(-N/A-ppb)
PV(50.6ppb)
LV(-N/A-ppb)
PL(22.6ppb)
JN(57.5ppb)
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40.00
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100.00
120.00
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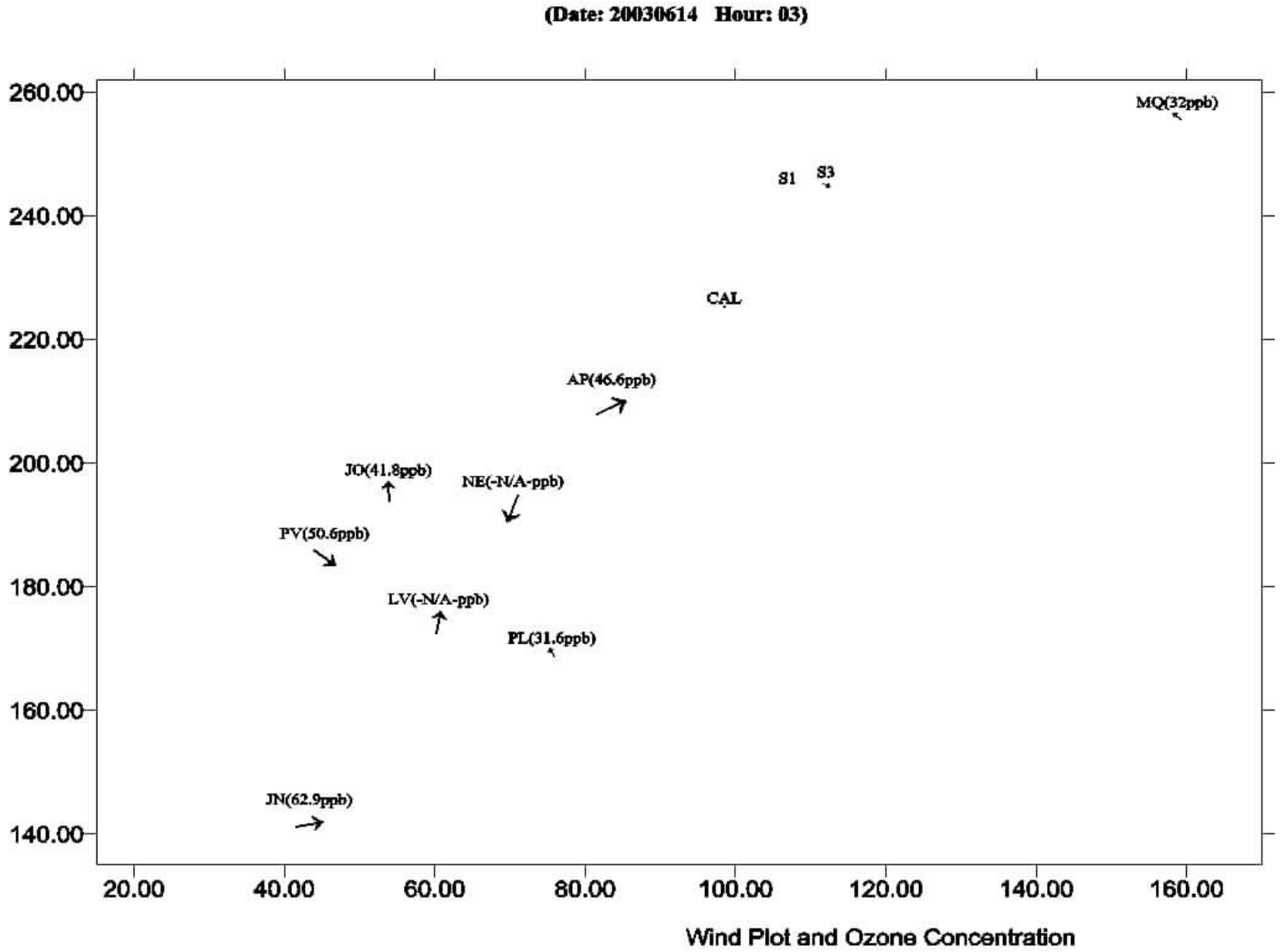
Wind Plot and Ozone Concentration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S3
CAL
AP(46.6ppb)
JO(41.8ppb)
NE(-N/A-ppb)
PV(50.6ppb)
LV(-N/A-ppb)
PL(31.6ppb)
JN(62.9ppb)
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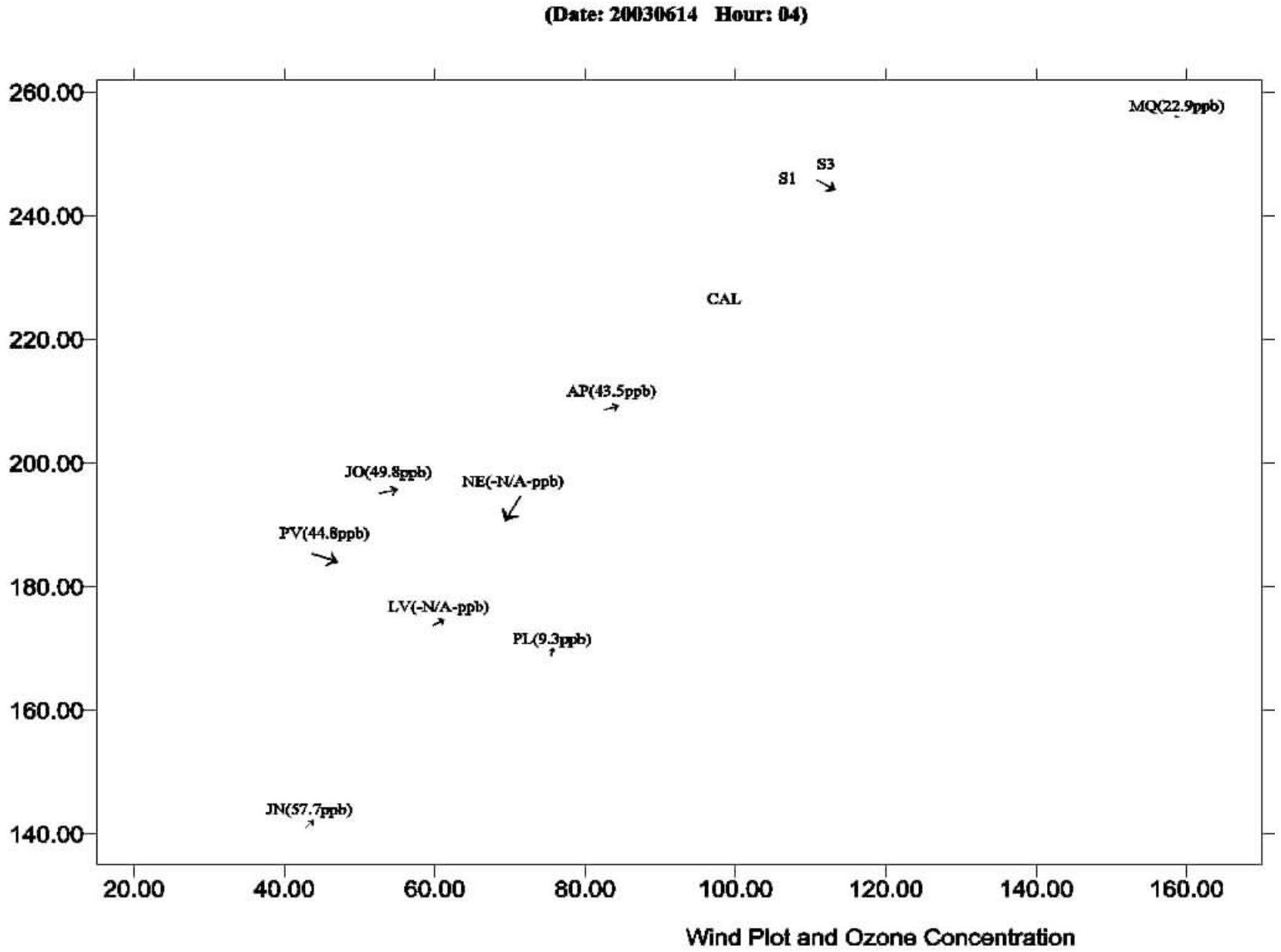
Wind Plot and Ozone Concentration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MQ(22.9ppb)
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S1
CAL
AP(43.5ppb)
JO(49.8ppb)
NE(-N/A-ppb)
PV(44.8ppb)
LV(-N/A-ppb)
PL(9.3ppb)
JN(57.7ppb)
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120.00
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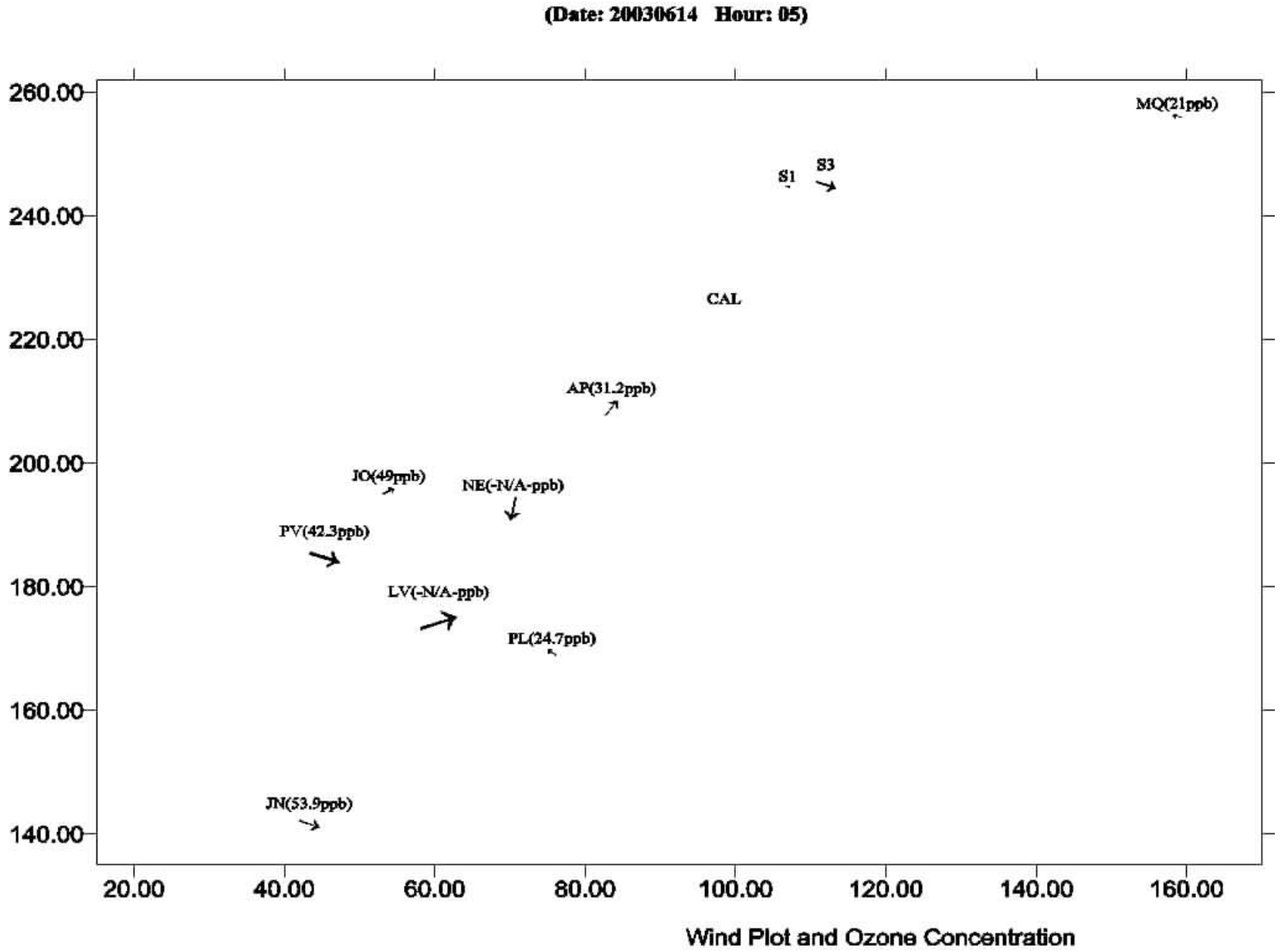
Wind Plot and Ozone Concentration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60.00
80.00
100.00
120.00
140.00
160.00
MQ(21ppb)
S1
S3
CAL
AP(31.2ppb)
JO(49ppb)
NE(-N/A-ppb)
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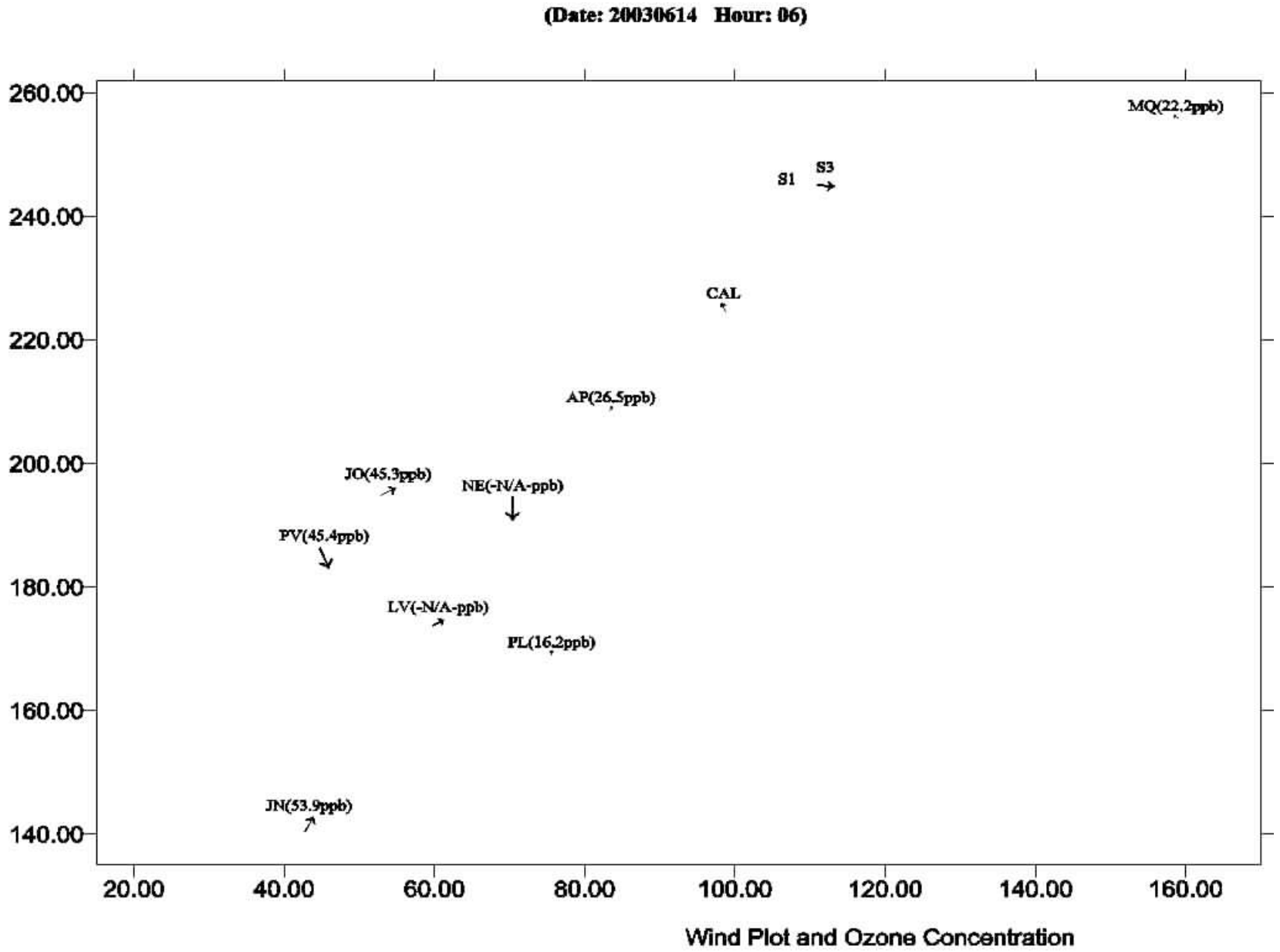
LV(-N/A-ppb)
PL(24.7ppb)
JN(53.9ppb)
Wind Plot and Ozone Concentration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S3
CAL
AP(26.5ppb)
JO(45.3ppb)
NE(-N/A-ppb)
PV(45.4ppb)
LV(-N/A-ppb)
PL(16.2ppb)
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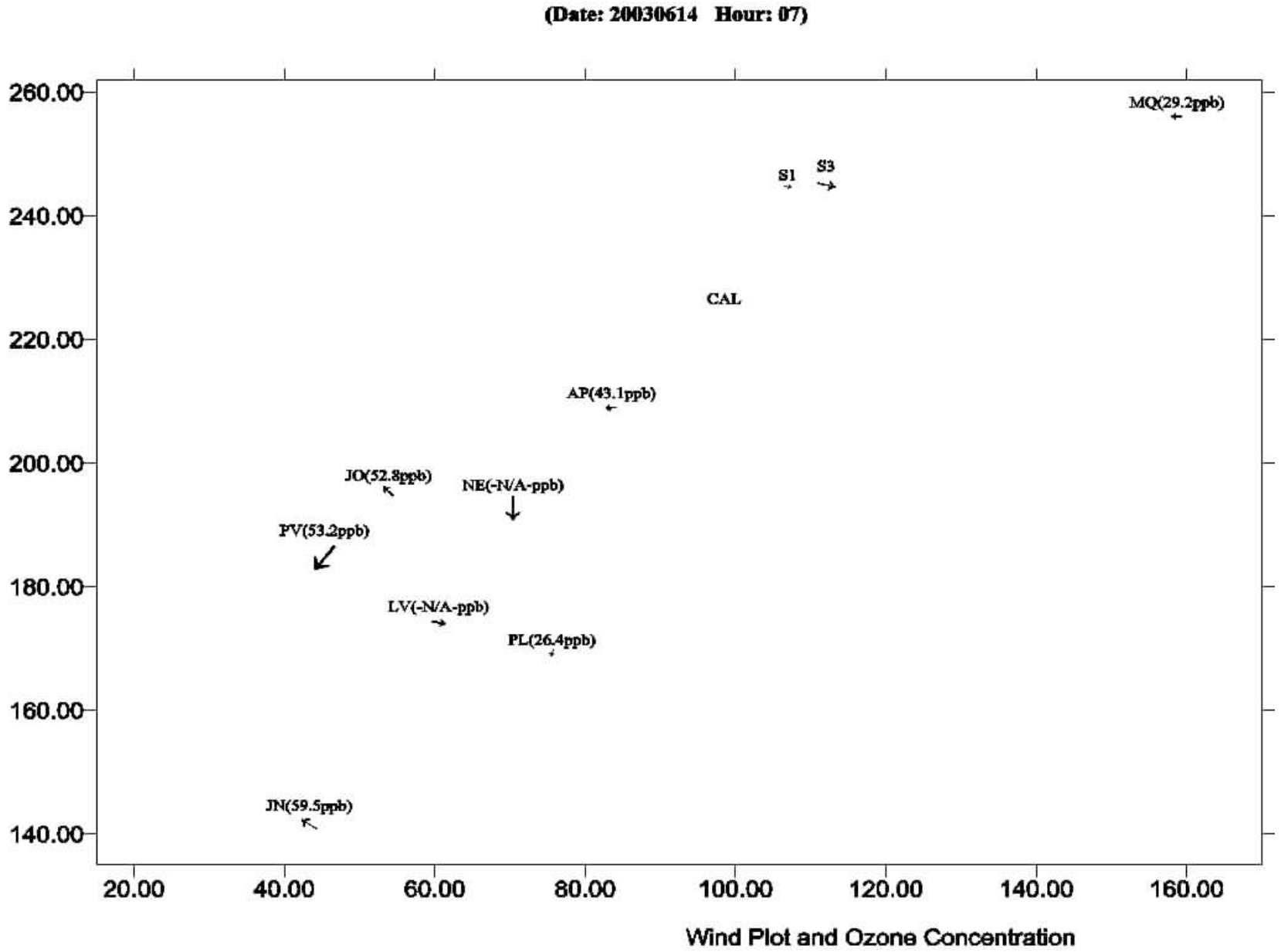
Wind Plot and Ozone Concentration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S3
CAL
AP(43.1ppb)
JO(52.8ppb)
NE(-N/A-ppb)
PV(53.2ppb)
LV(-N/A-ppb)
PL(26.4ppb)
JN(59.5ppb)
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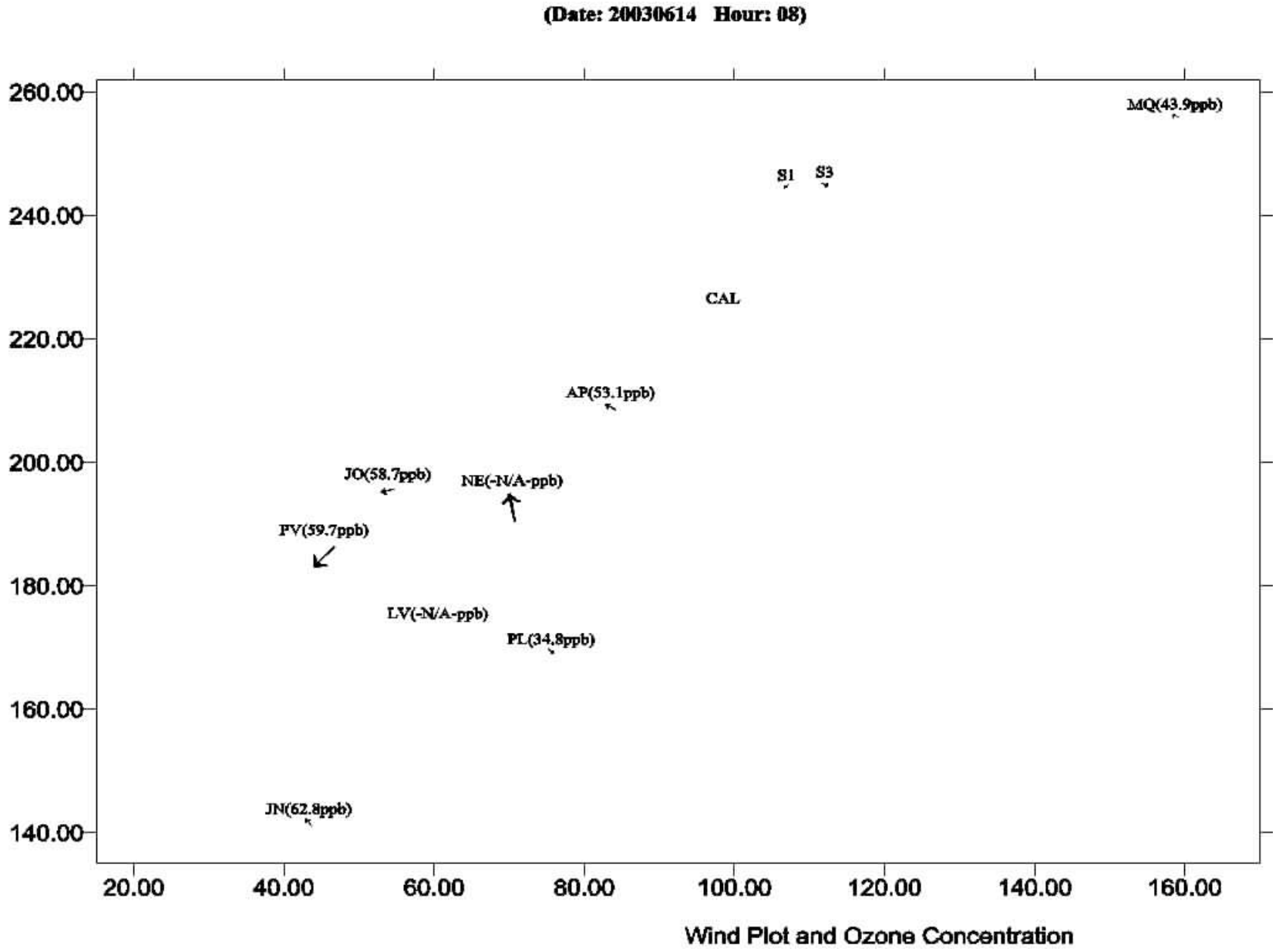
120.00
140.00
160.00
Wind Plot and Ozone Concentration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20.00
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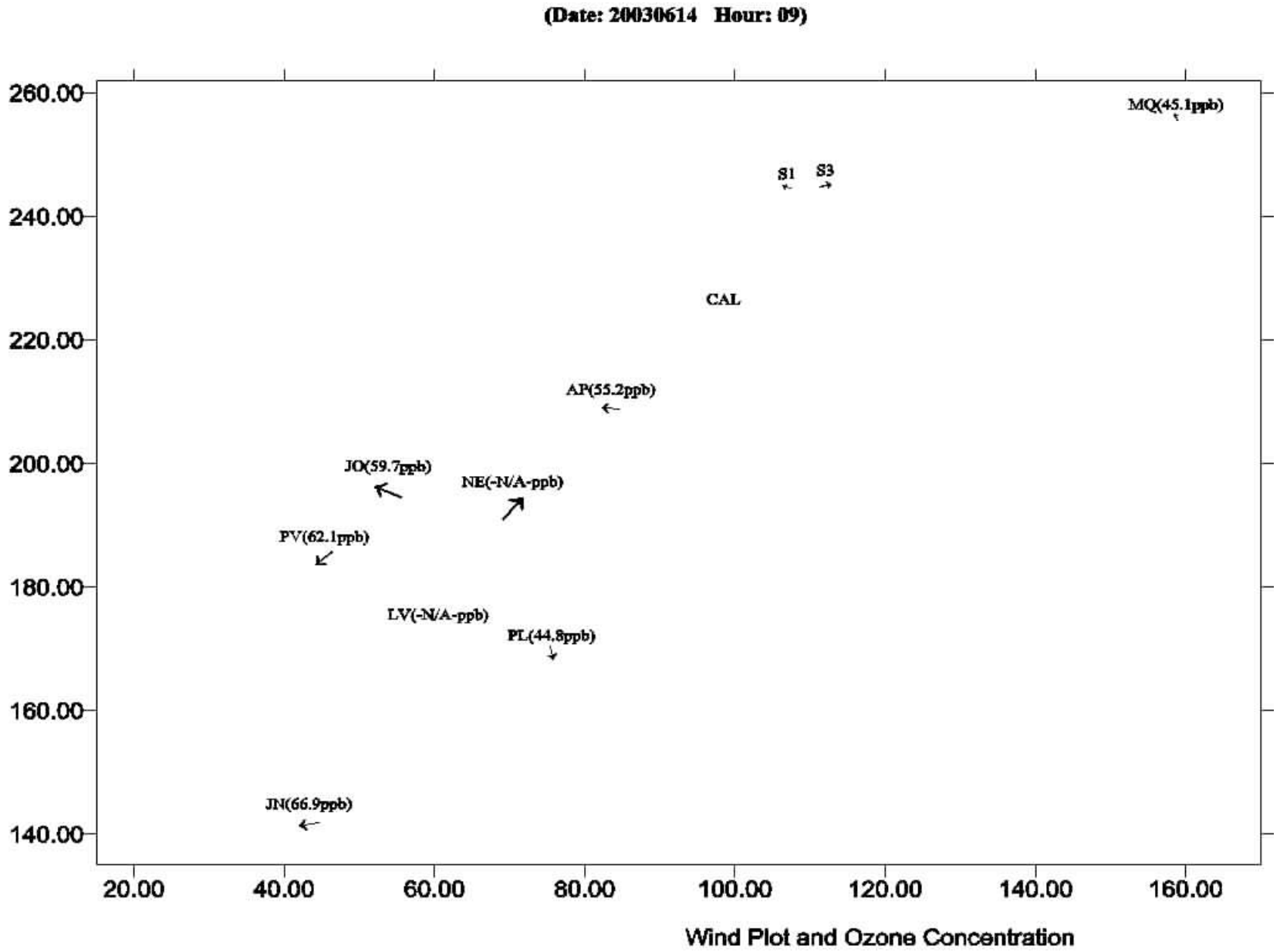
60.00
80.00
100.00
120.00
140.00
160.00
MQ(43.9ppb)
S1
S3
CAL
AP(53.1ppb)
JO(58.7ppb)
NE(-N/A-ppb)
FV(59.7ppb)
LV(-N/A-ppb)
PL(34.8ppb)
JN(62.8ppb)
Wind Plot and Ozone Concentration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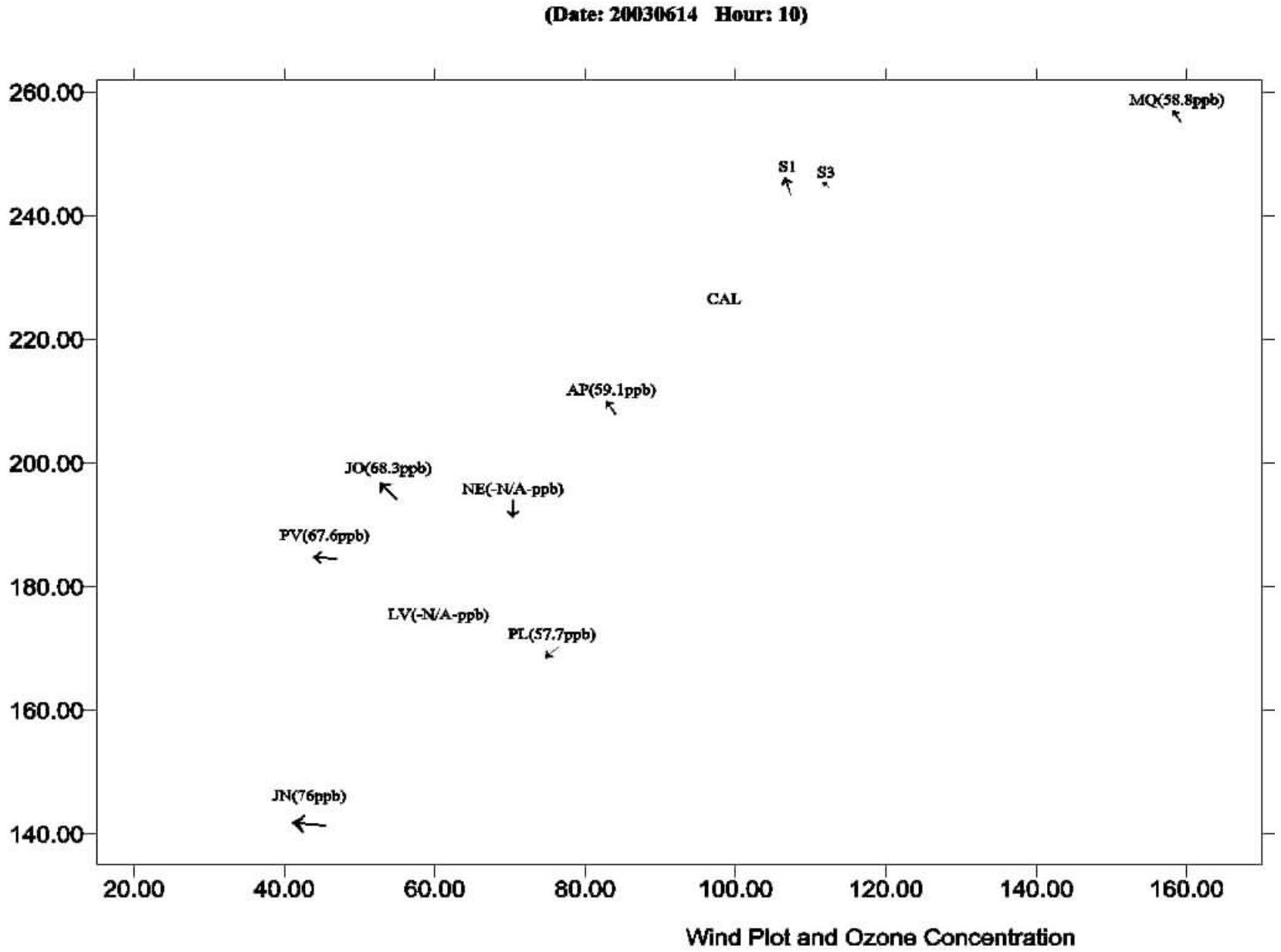
60.00
80.00
100.00
120.00
140.00
160.00
MQ(45.1ppb)
S1
S3
CAL
AP(55.2ppb)
JO(59.7ppb)
NE(-N/A-ppb)
PV(62.1ppb)
LV(-N/A-ppb)
PL(44.8ppb)
JN(66.9ppb)
Wind Plot and Ozone Concentration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20.00
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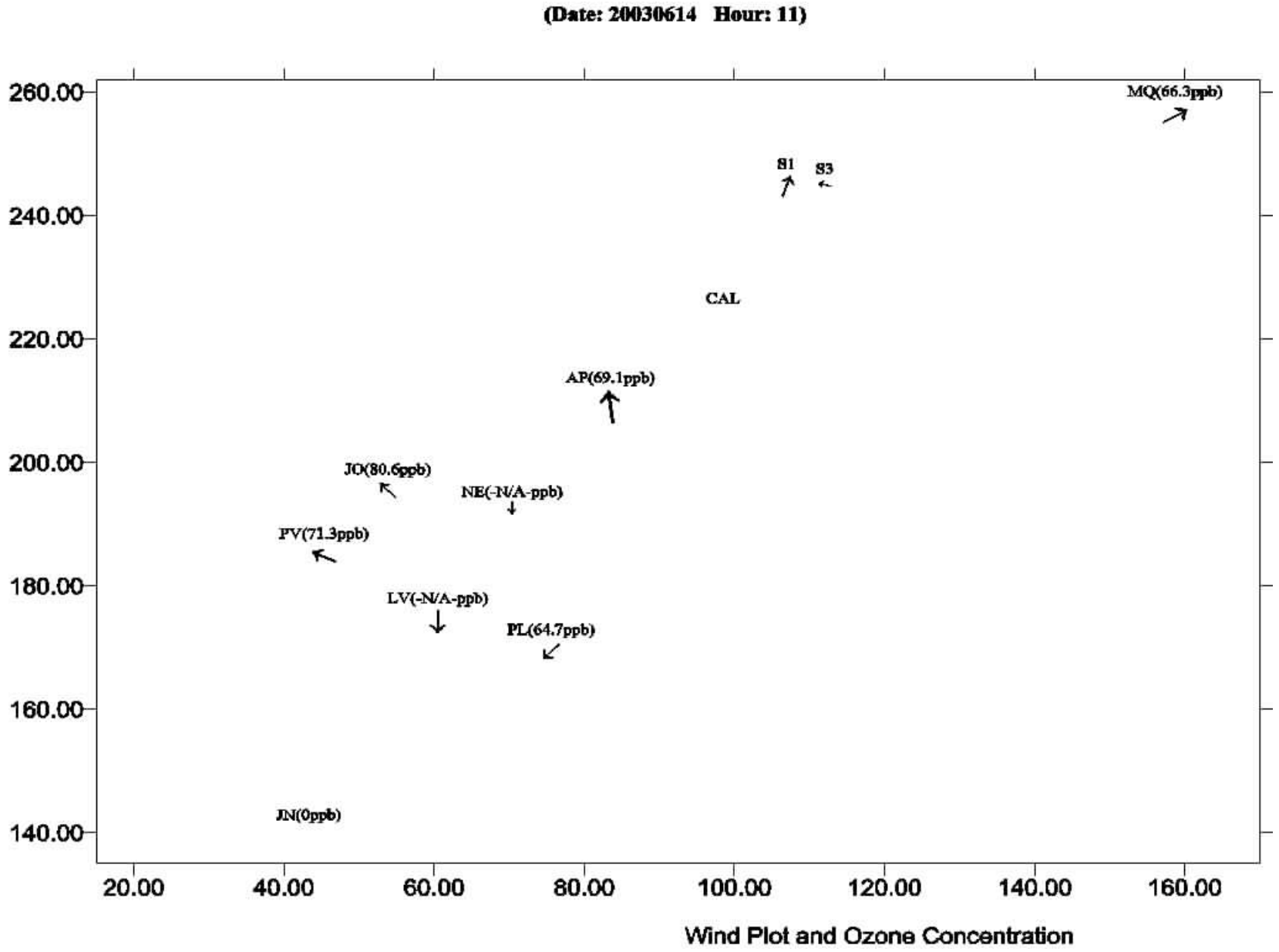
60.00
80.00
100.00
120.00
140.00
160.00
MQ(58.8ppb)
S1
S3
CAL
AP(59.1ppb)
JO(68.3ppb)
NE(-N/A-ppb)
PV(67.6ppb)
LV(-N/A-ppb)
PL(57.7ppb)
JN(76ppb)
Wind Plot and Ozone Concentration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160.00
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MQ(66.3ppb)
S1
S3
CAL
AP(69.1ppb)
JO(80.6ppb)
NE(-N/A-ppb)
PV(71.3ppb)
LV(-N/A-ppb)
PL(64.7ppb)
JN(0ppb)
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40.00
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120.00
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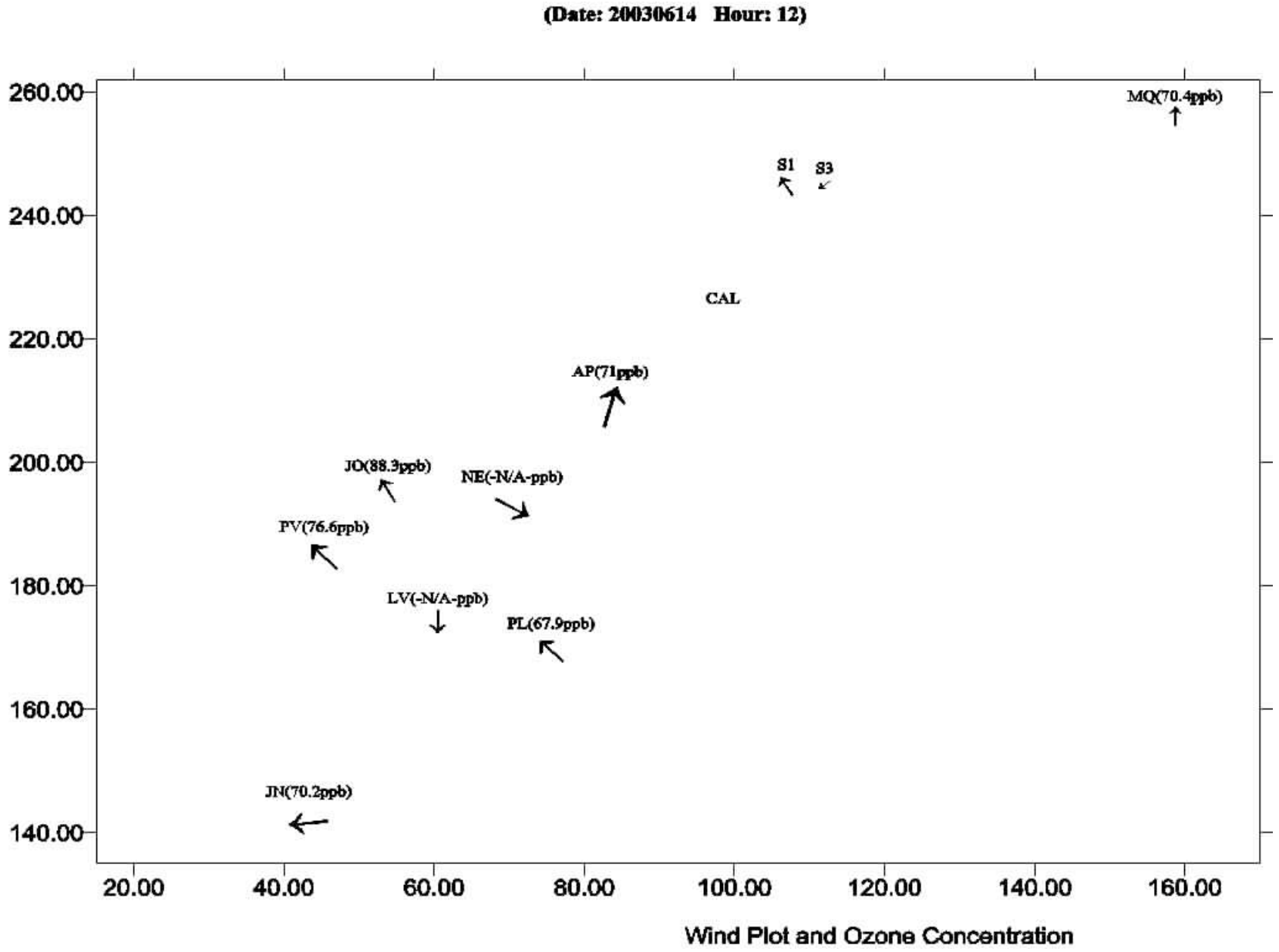
Wind Plot and Ozone Concentration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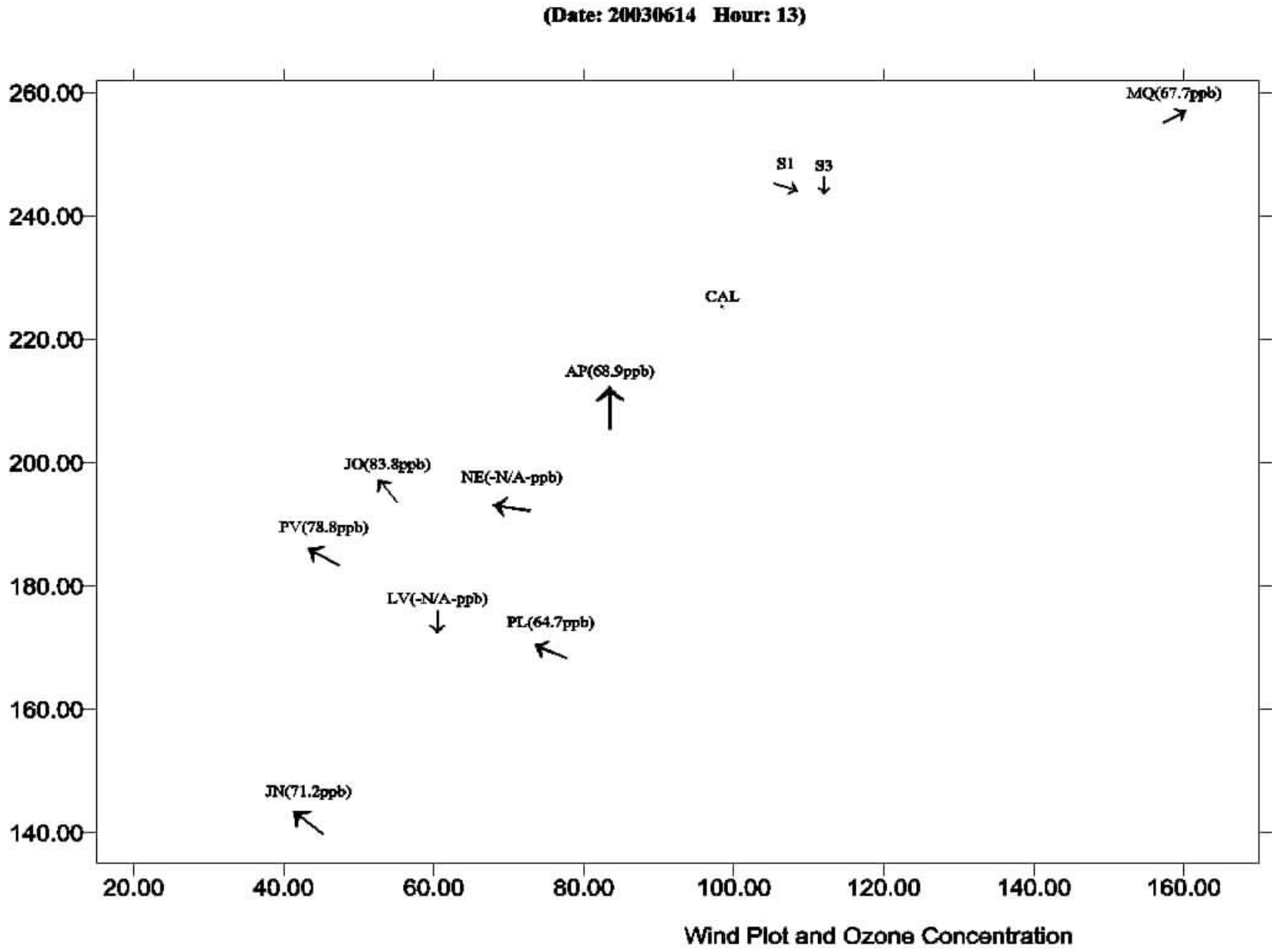
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
MQ(70.4ppb)
S1
S3
CAL
AP(71ppb)
JO(88.3ppb)
NE(-N/A-ppb)
PV(76.6ppb)
LV(-N/A-ppb)
PL(67.9ppb)
JN(70.2ppb)
Wind Plot and Ozone Concentration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200.00
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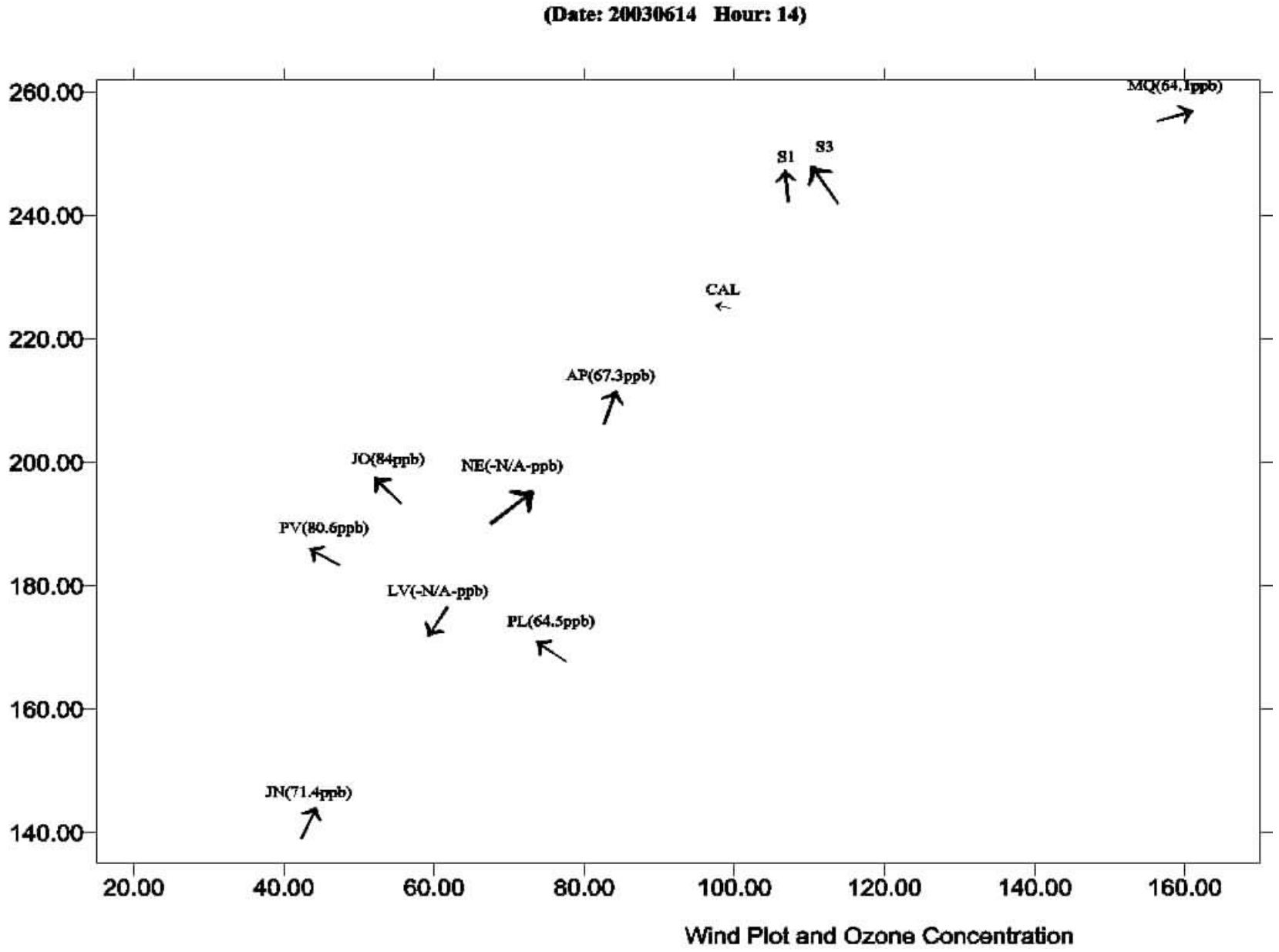
160.00
140.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
MQ(67.7ppb)
S1
S3
CAL
AP(68.9ppb)
JO(83.8ppb)
NE(-N/A-ppb)
PV(78.8ppb)
LV(-N/A-ppb)
PL(64.7ppb)
JN(71.2ppb)
Wind Plot and Ozone Concentration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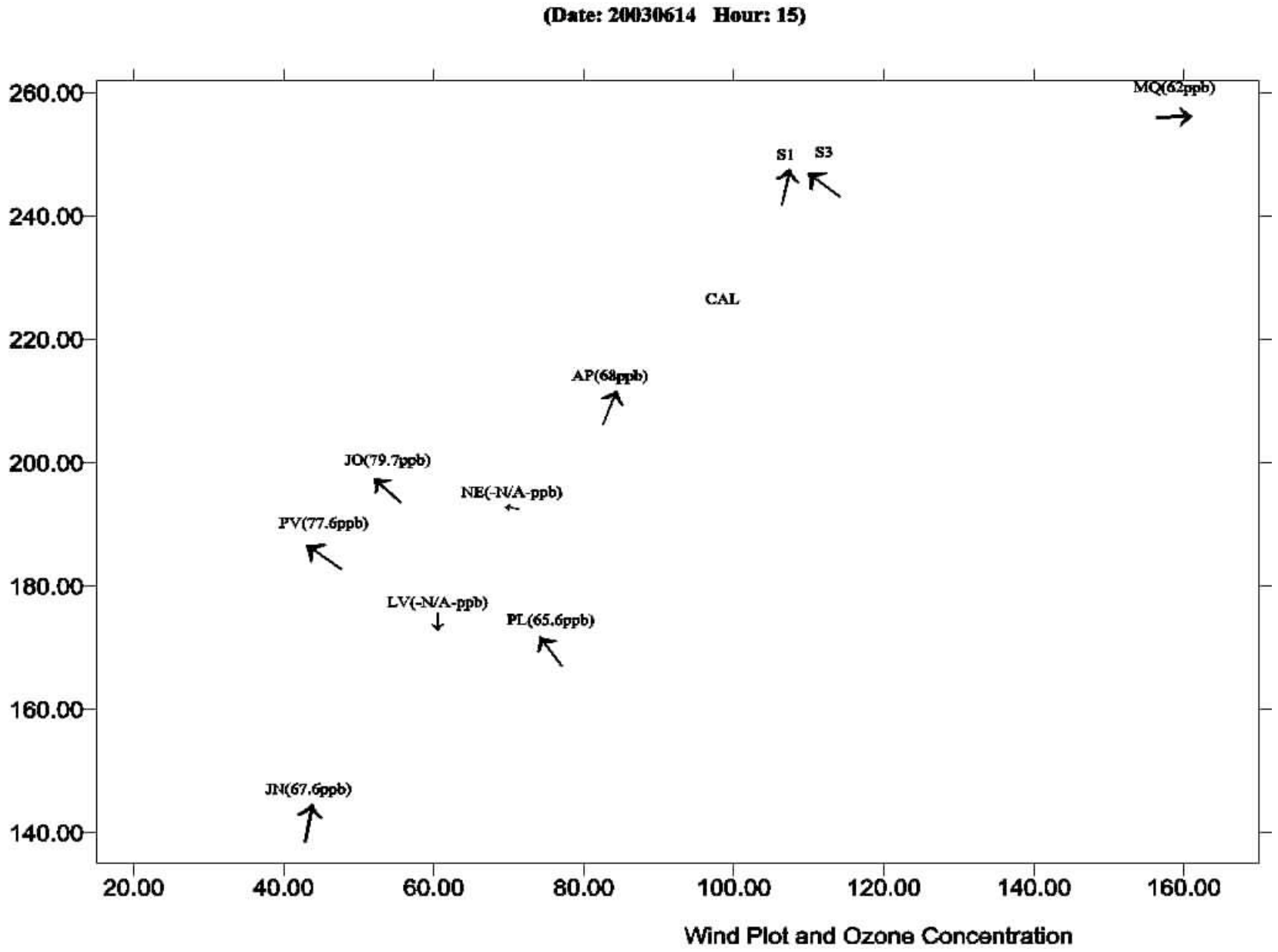
160.00
140.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
MQ(64.1ppb)
S1
S3
CAL
AP(67.3ppb)
JO(84ppb)
NE(-N/A-ppb)
PV(80.6ppb)
LV(-N/A-ppb)
PL(64.5ppb)
JN(71.4ppb)
Wind Plot and Ozone Concentration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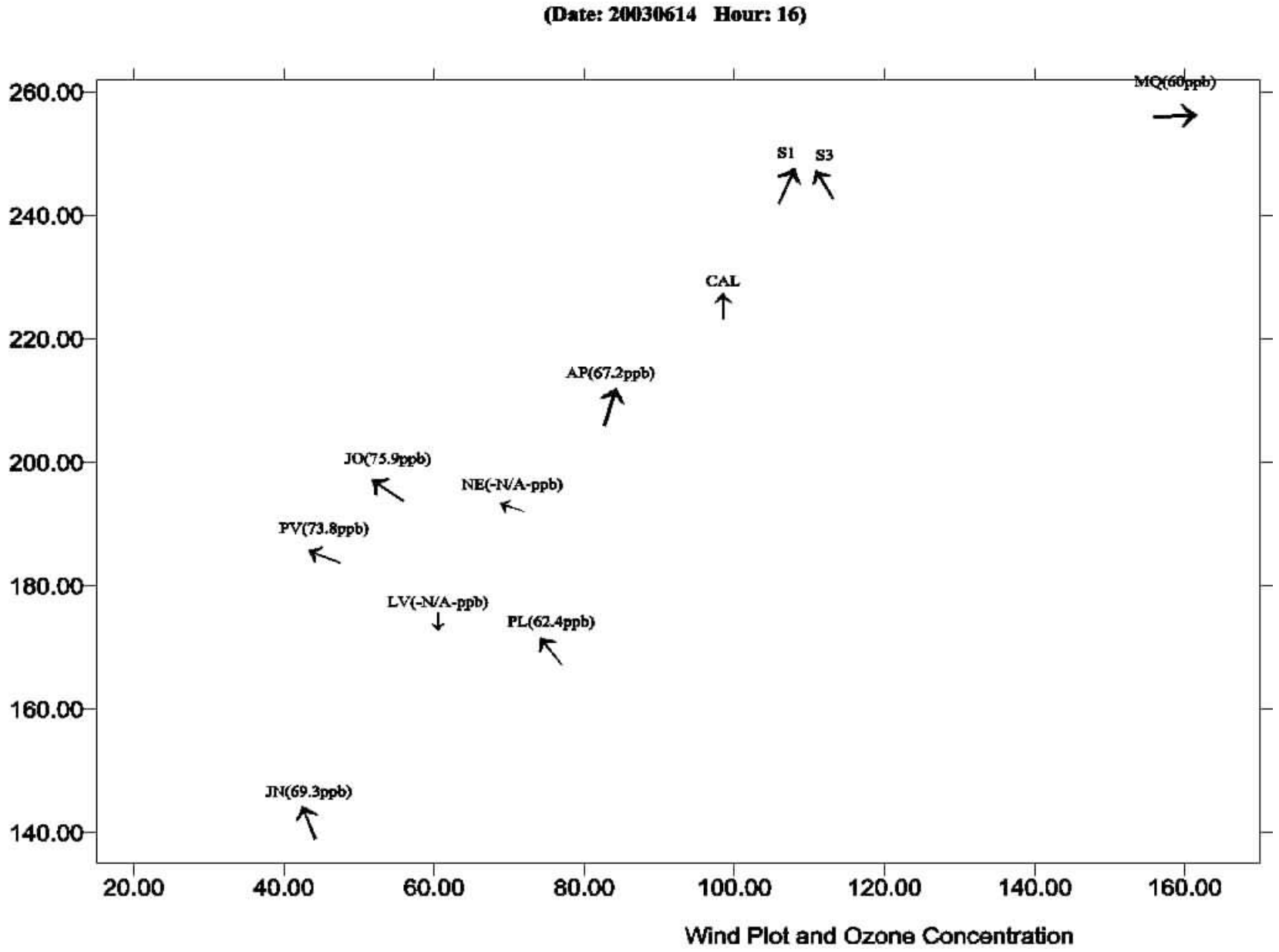
140.00
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
MQ(62ppb)
S1
S3
CAL
AP(68ppb)
JO(79.7ppb)
NE(-N/A-ppb)
PV(77.6ppb)
LV(-N/A-ppb)
PL(65.6ppb)
JN(67.6ppb)
Wind Plot and Ozone Concentration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20.00
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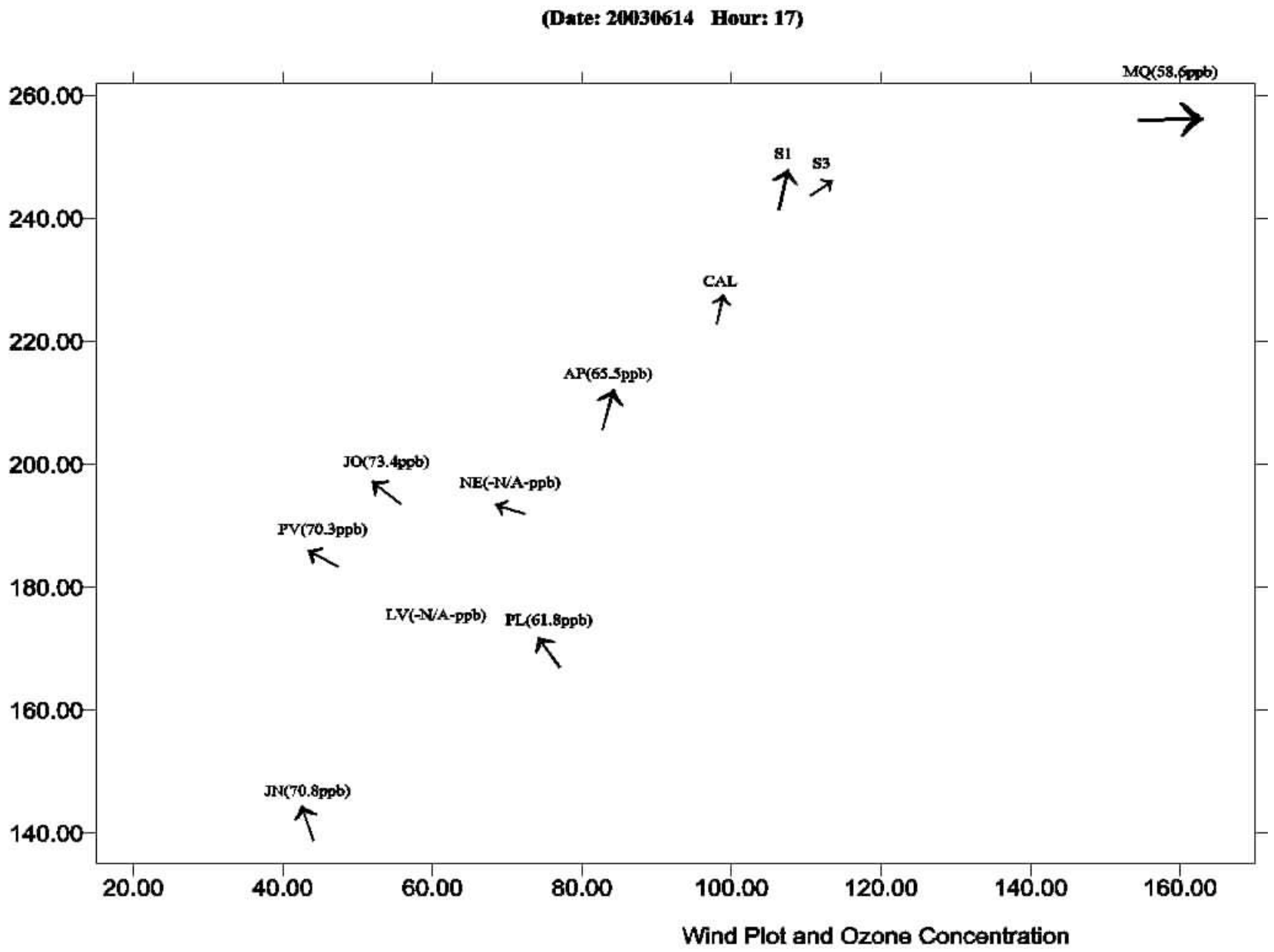
60.00
80.00
100.00
120.00
140.00
160.00
MQ(60ppb)
S1
S3
CAL
AP(67.2ppb)
JO(75.9ppb)
NE(-N/A-ppb)
PV(73.8ppb)
LV(-N/A-ppb)
PL(62.4ppb)
JN(69.3ppb)
Wind Plot and Ozone Concentration


(Date: 20030614 Hour: 17)
MQ(58.6ppb)
S1
S3
CAL
AP(65.5ppb)
JO(73.4ppb)
NE(-N/A-ppb)
PV(70.3ppb)
LV(-N/A-ppb)
PL(61.8ppb)
JN(70.8ppb)
260.00
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220.00
200.00
180.00
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20.00
40.00
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120.00
140.00
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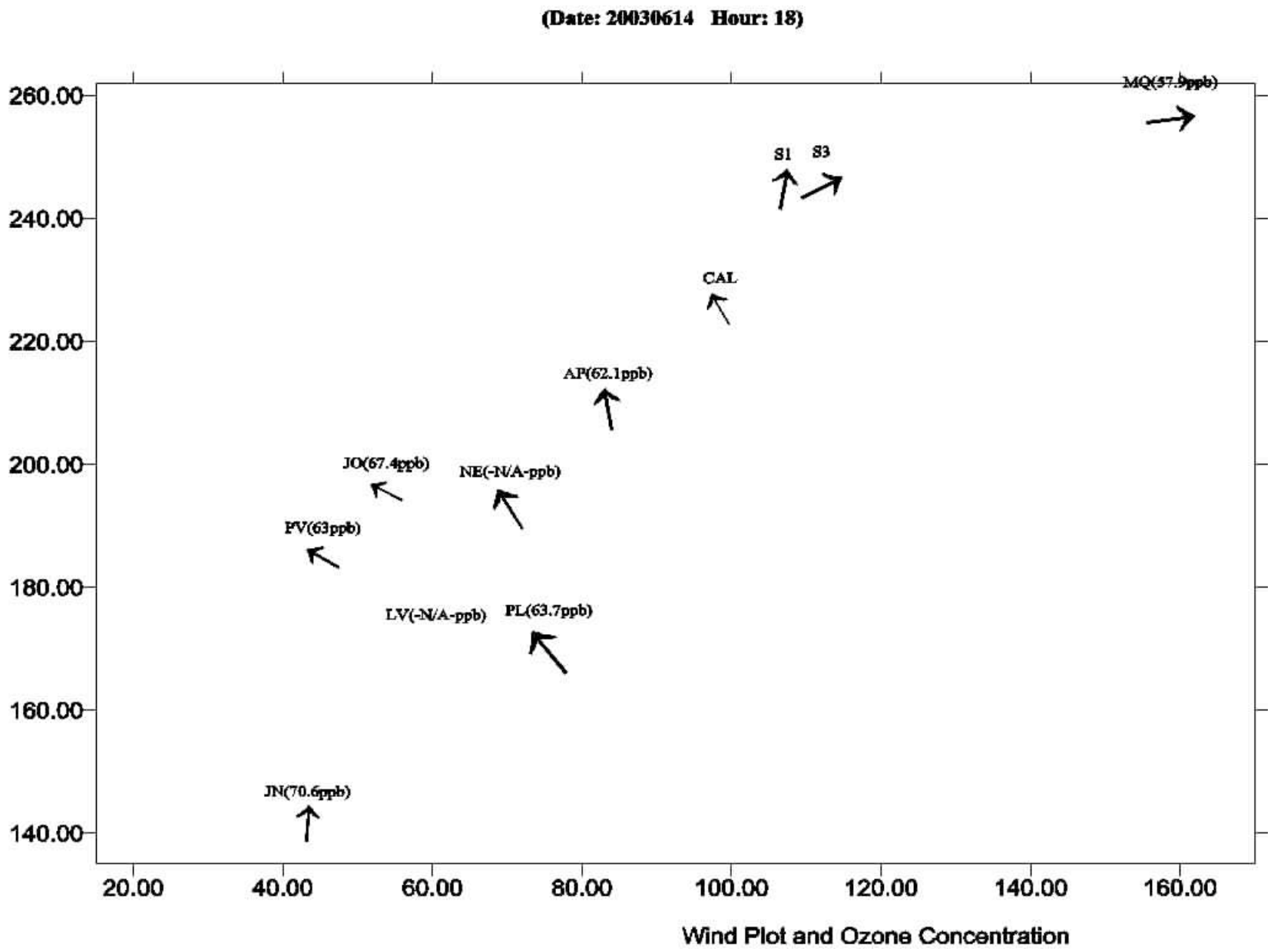
Wind Plot and Ozone Concentration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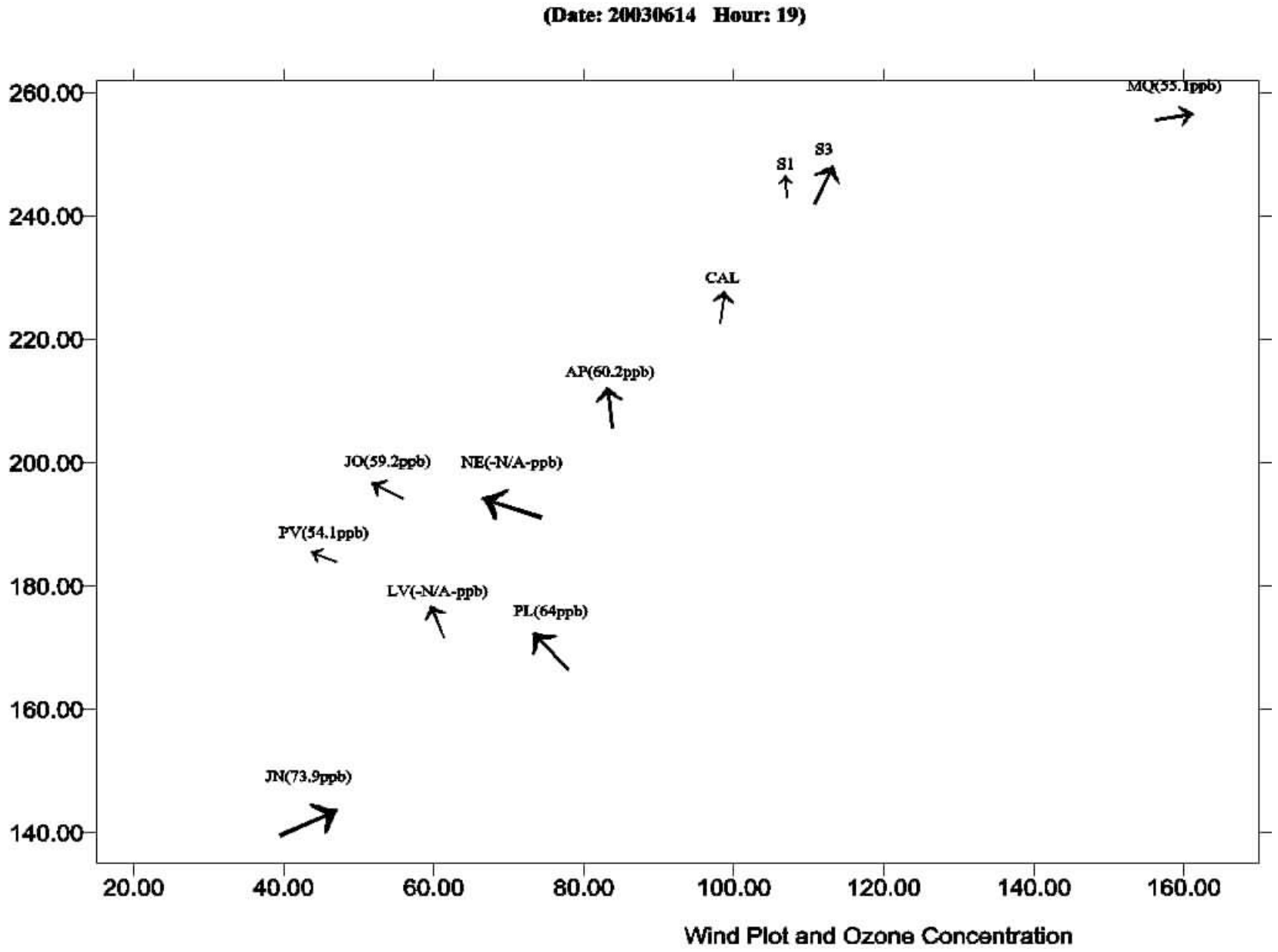
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
MQ(57.9ppb)
S1
S3
CAL
AP(62.1ppb)
JO(67.4ppb)
NE(-N/A-ppb)
FV(63ppb)
LV(-N/A-ppb)
PL(63.7ppb)
JN(70.6ppb)
Wind Plot and Ozone Concentration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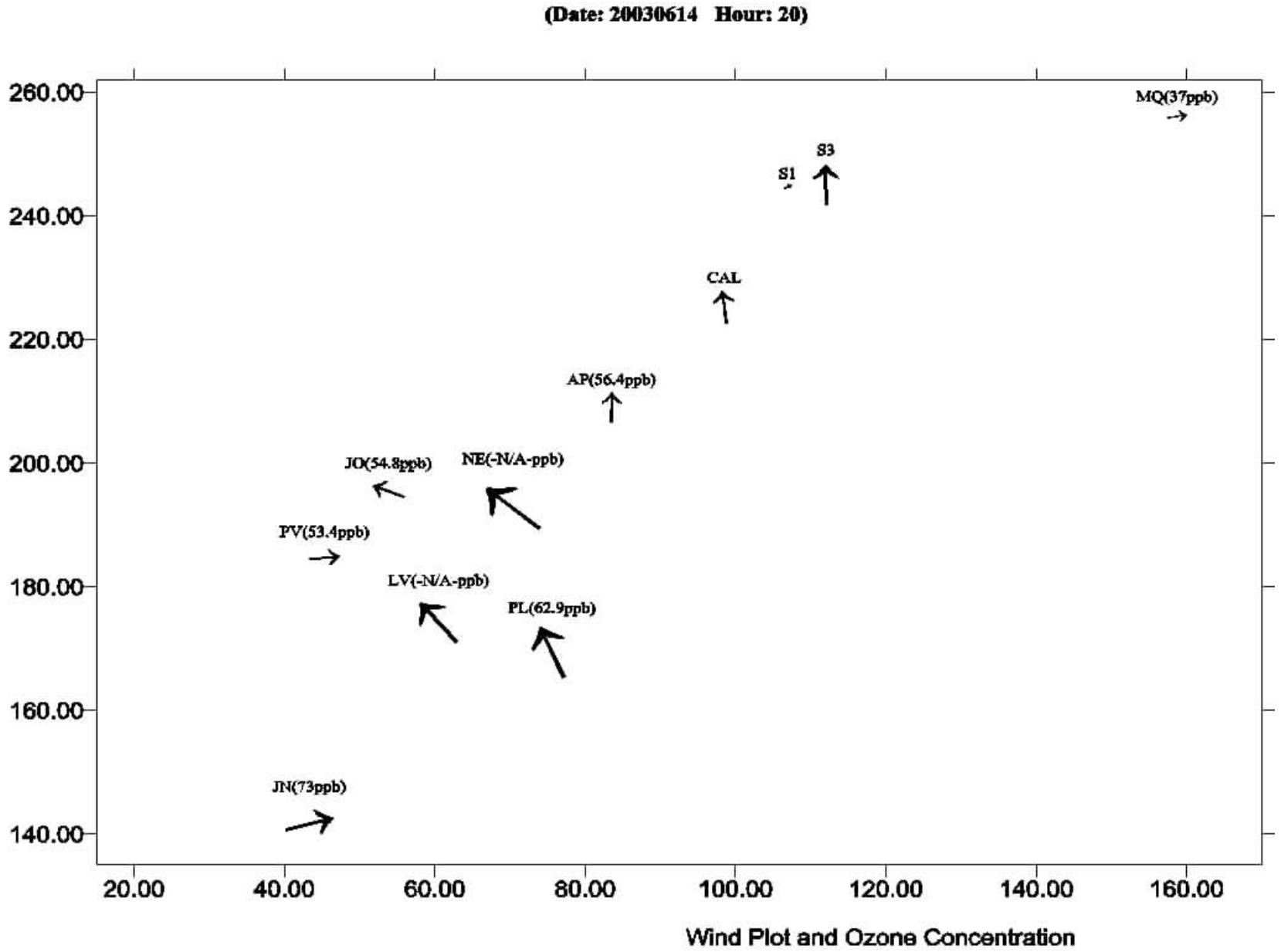
20.00
40.00
60.00
80.00
100.00
120.00
140.00
160.00
MQ(55.1ppb)
S1
S3
CAL
AP(60.2ppb)
JO(59.2ppb)
NE(-N/A-ppb)
PV(54.1ppb)
LV(-N/A-ppb)
PL(64ppb)
JN(73.9ppb)
Wind Plot and Ozone Concentration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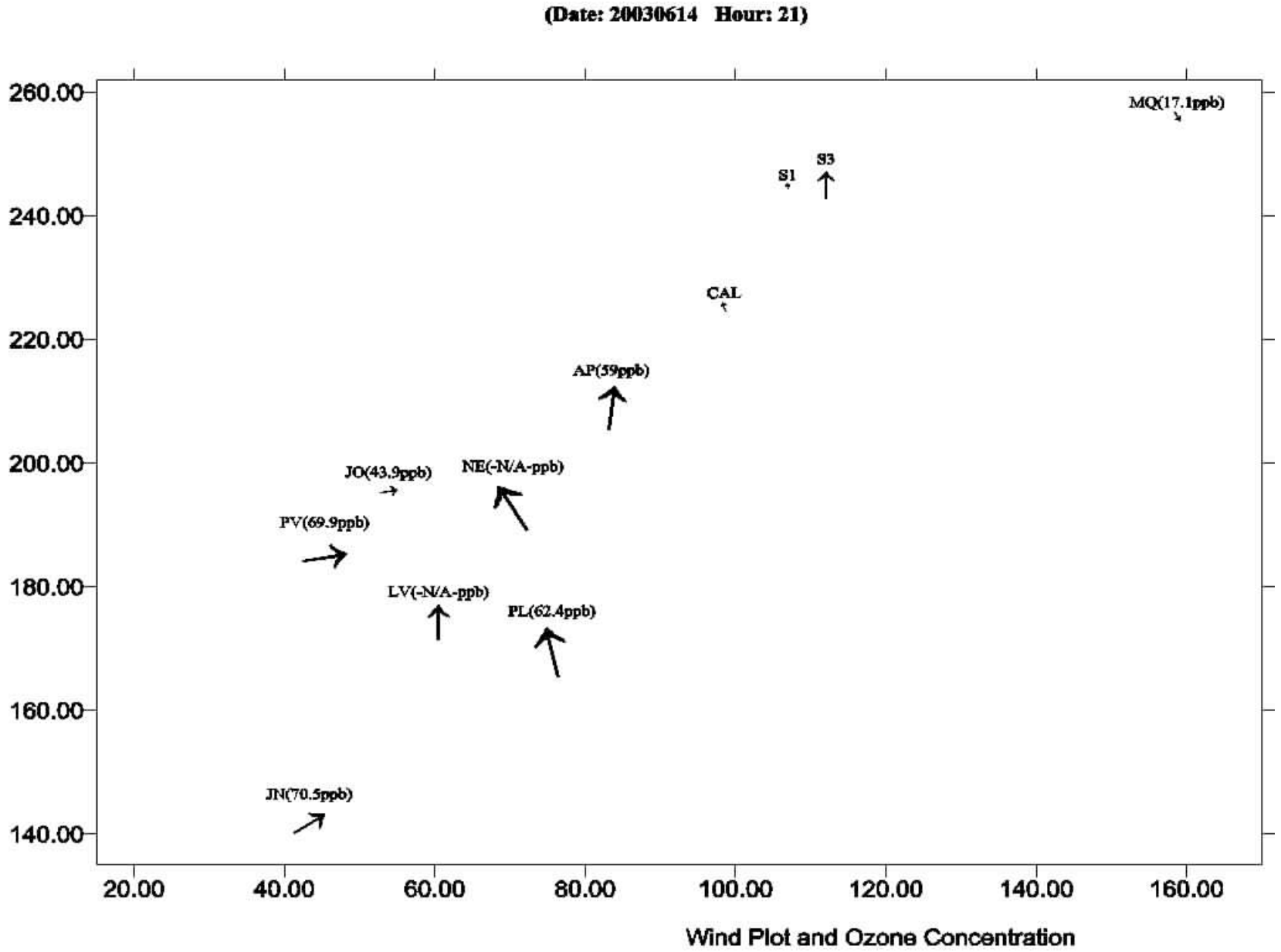
80.00
100.00
120.00
140.00
160.00
MQ(37ppb)
S3
S1
CAL
AP(56.4ppb)
JO(54.8ppb)
NE(-N/A-ppb)
PV(53.4ppb)
LV(-N/A-ppb)
PL(62.9ppb)
JN(73ppb)
Wind Plot and Ozone Concentration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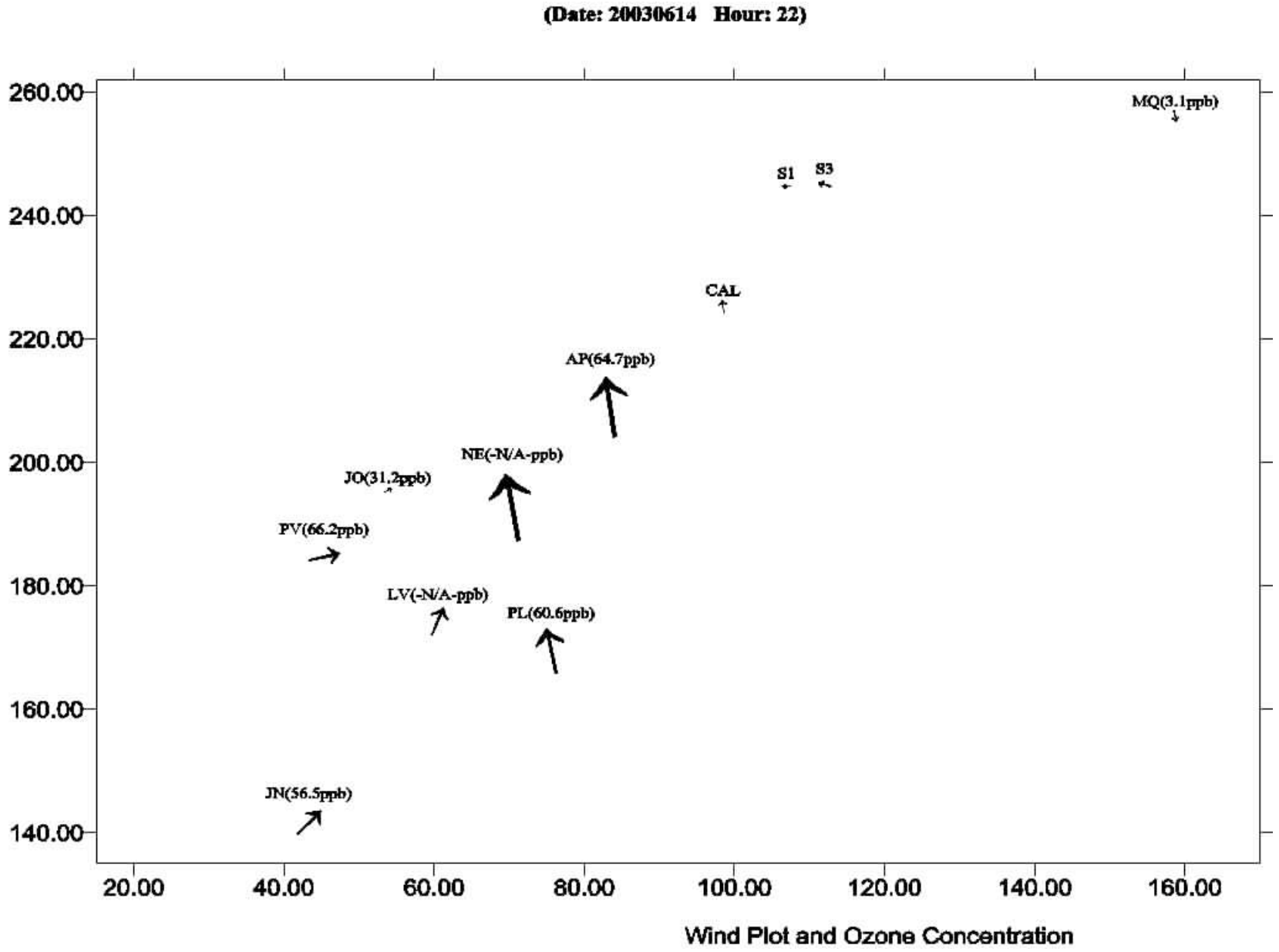
80.00
100.00
120.00
140.00
160.00
MQ(17.1ppb)
S3
S1
CAL
AP(59ppb)
JO(43.9ppb)
NE(-N/A-ppb)
PV(69.9ppb)
LV(-N/A-ppb)
PL(62.4ppb)
JN(70.5ppb)
Wind Plot and Ozone Concentration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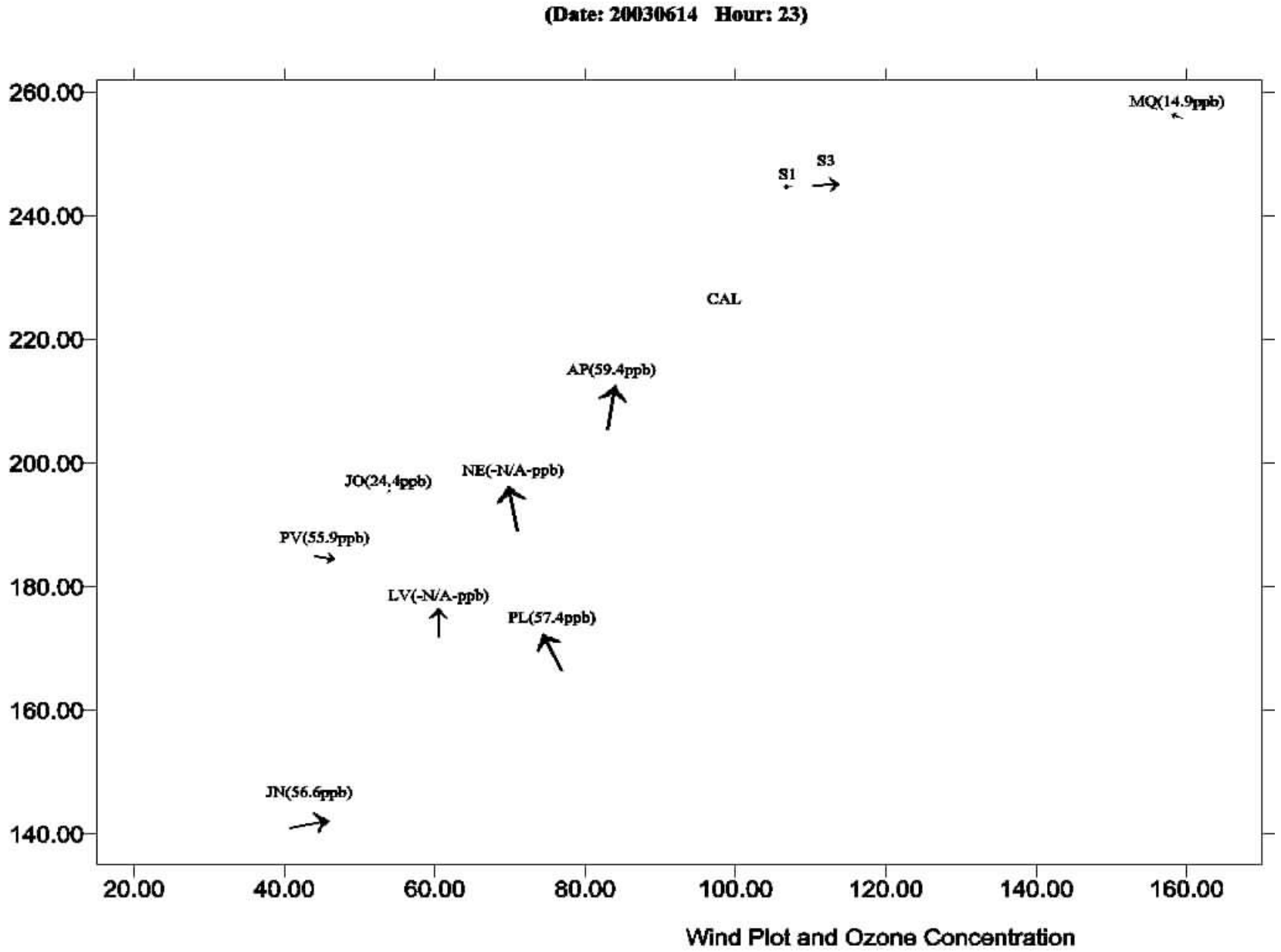
80.00
100.00
120.00
140.00
160.00
MQ(3.1ppb)
S1
S3
CAL
AP(64.7ppb)
NE(-N/A-ppb)
JO(31.2ppb)
PV(66.2ppb)
LV(-N/A-ppb)
PL(60.6ppb)
JN(56.5ppb)
Wind Plot and Ozone Concentration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40.00
60.00
80.00
100.00
120.00
140.00
160.00
MQ(14.9ppb)
S1
S3
CAL
AP(59.4ppb)
JO(24.4ppb)
NE(-N/A-ppb)
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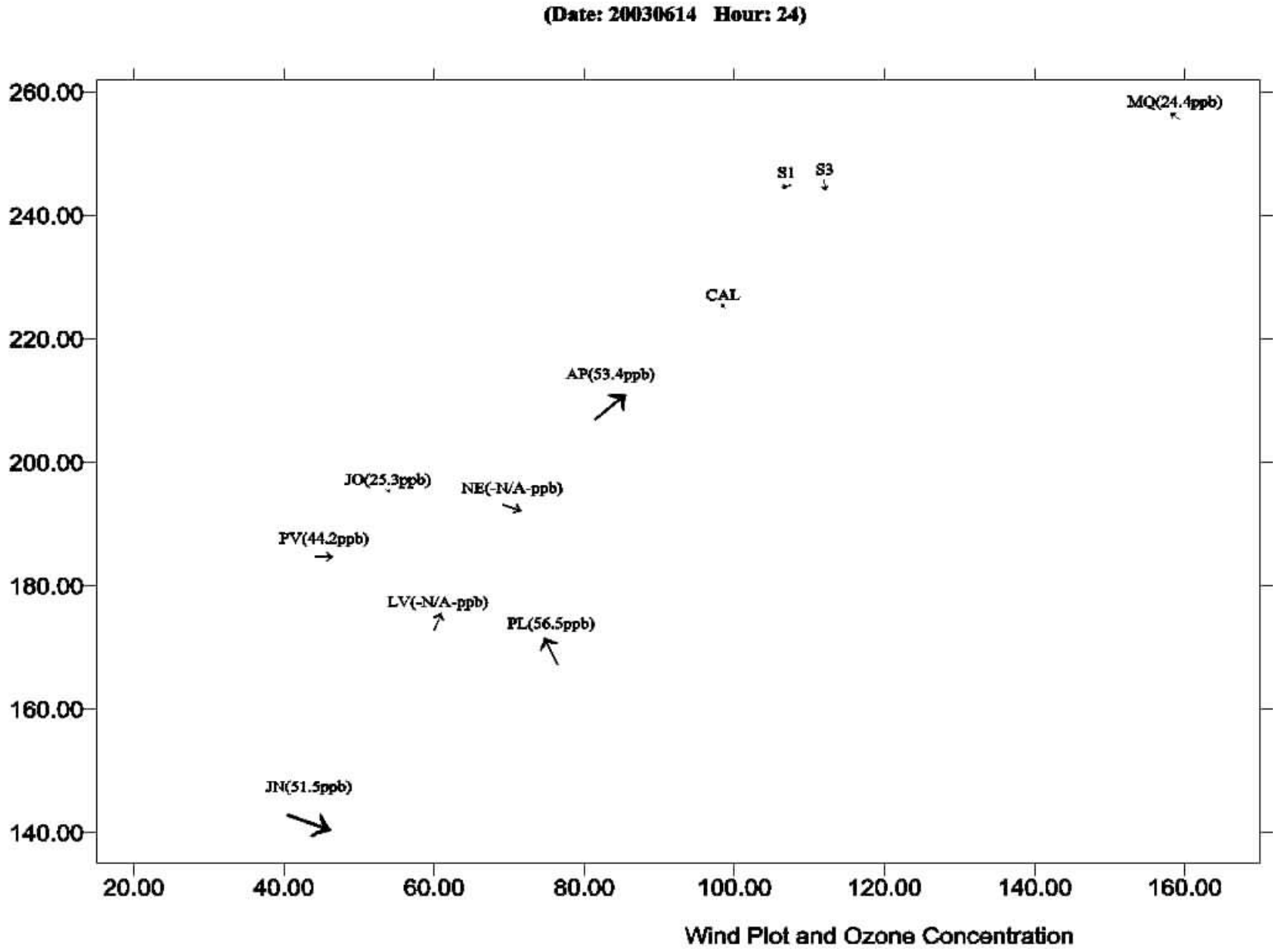
LV(-N/A-ppb)
PL(57.4ppb)
JN(56.6ppb)
Wind Plot and Ozone Concentration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80.00
100.00
120.00
140.00
160.00
MQ(24.4ppb)
S1
S3
CAL
AP(53.4ppb)
JO(25.3ppb)
NE(-N/A-ppb)
PV(44.2ppb)
LV(-N/A-ppb)
PL(56.5ppb)
JN(51.5ppb)
Wind Plot and Ozone Concentration