

Test charts presented
by the participants
of the joint ToA test in June 2017

Compiled by Mr. Masami Sakamoto, RSMC Tokyo

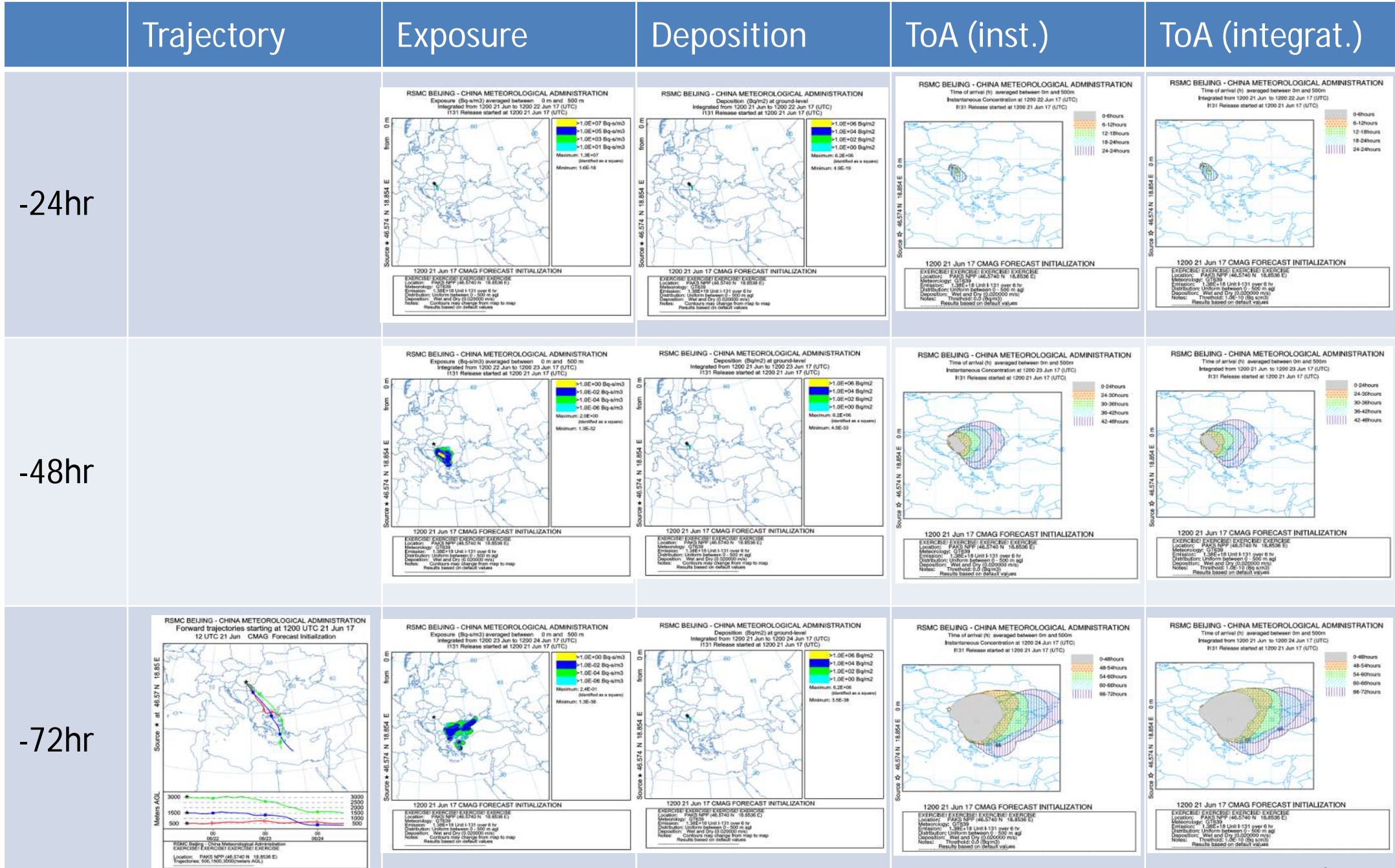
ToA test charts

presented by Dr. Zhenxin Song (RSMC Beijing)

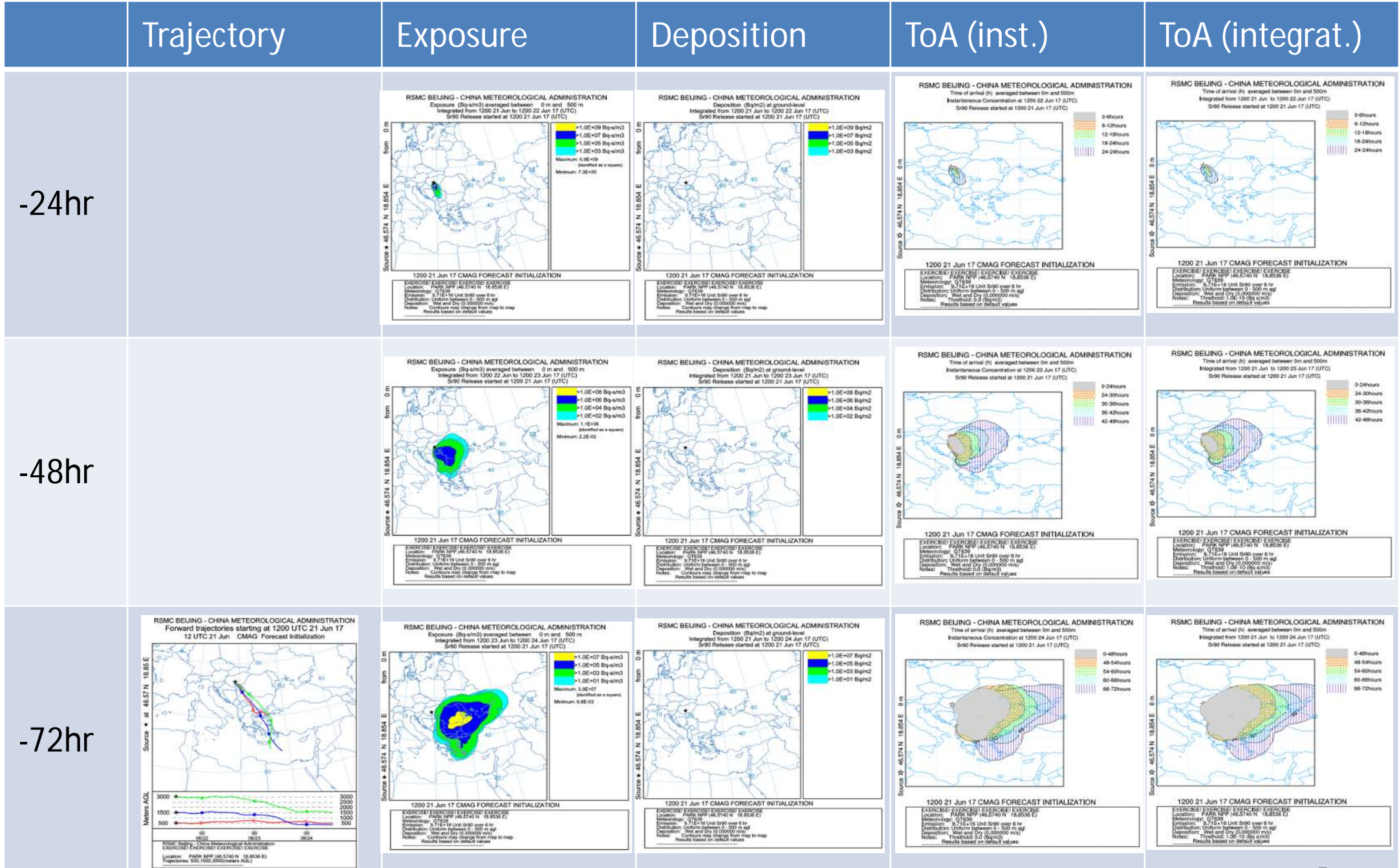
1 Bq of Cs-137 released during 06UTC 21 – 12UTC 21 by Beijing



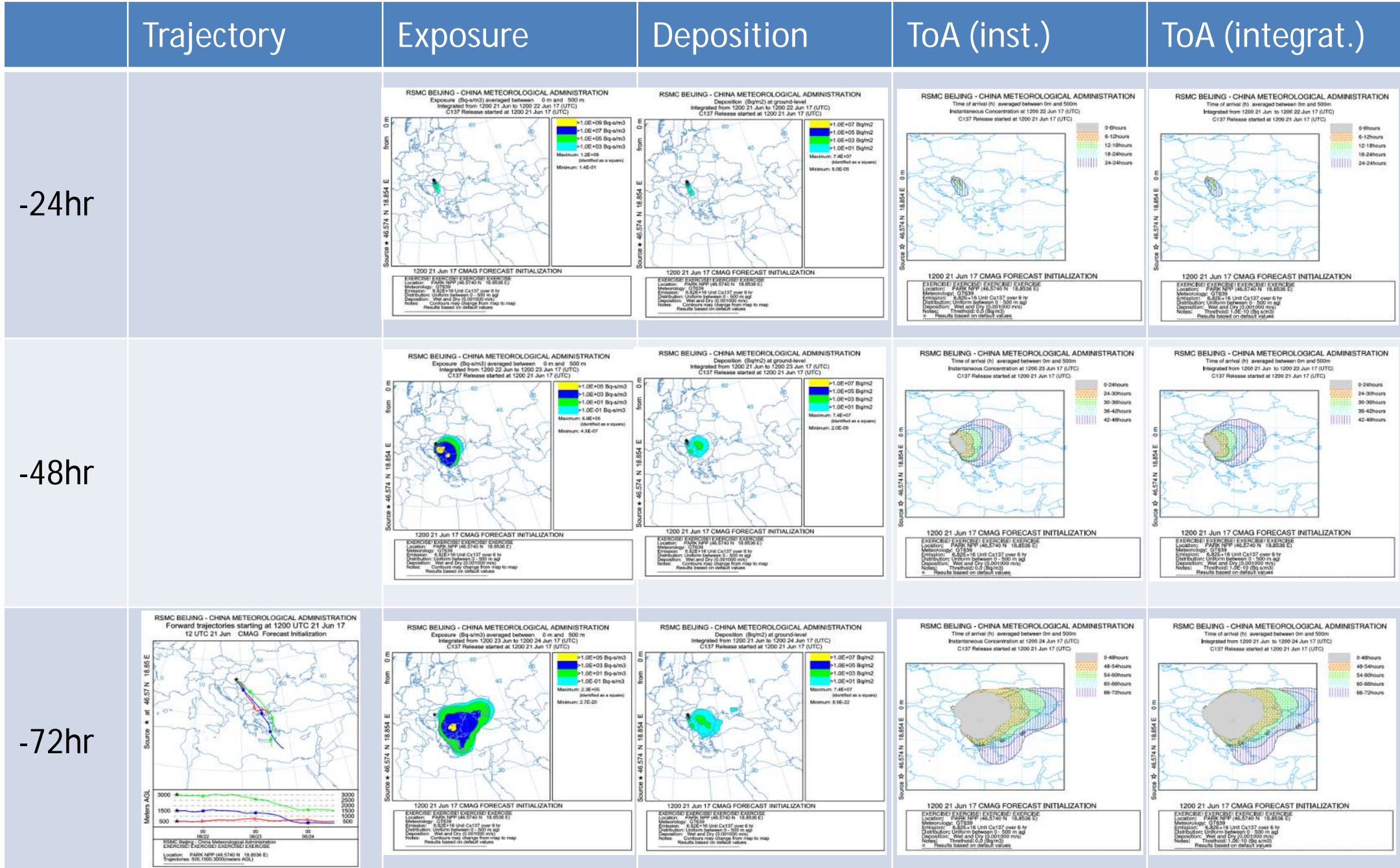
1.38 E+18 Bq of I-131 released during 12UTC 21 – 18UTC 21 by Beijing



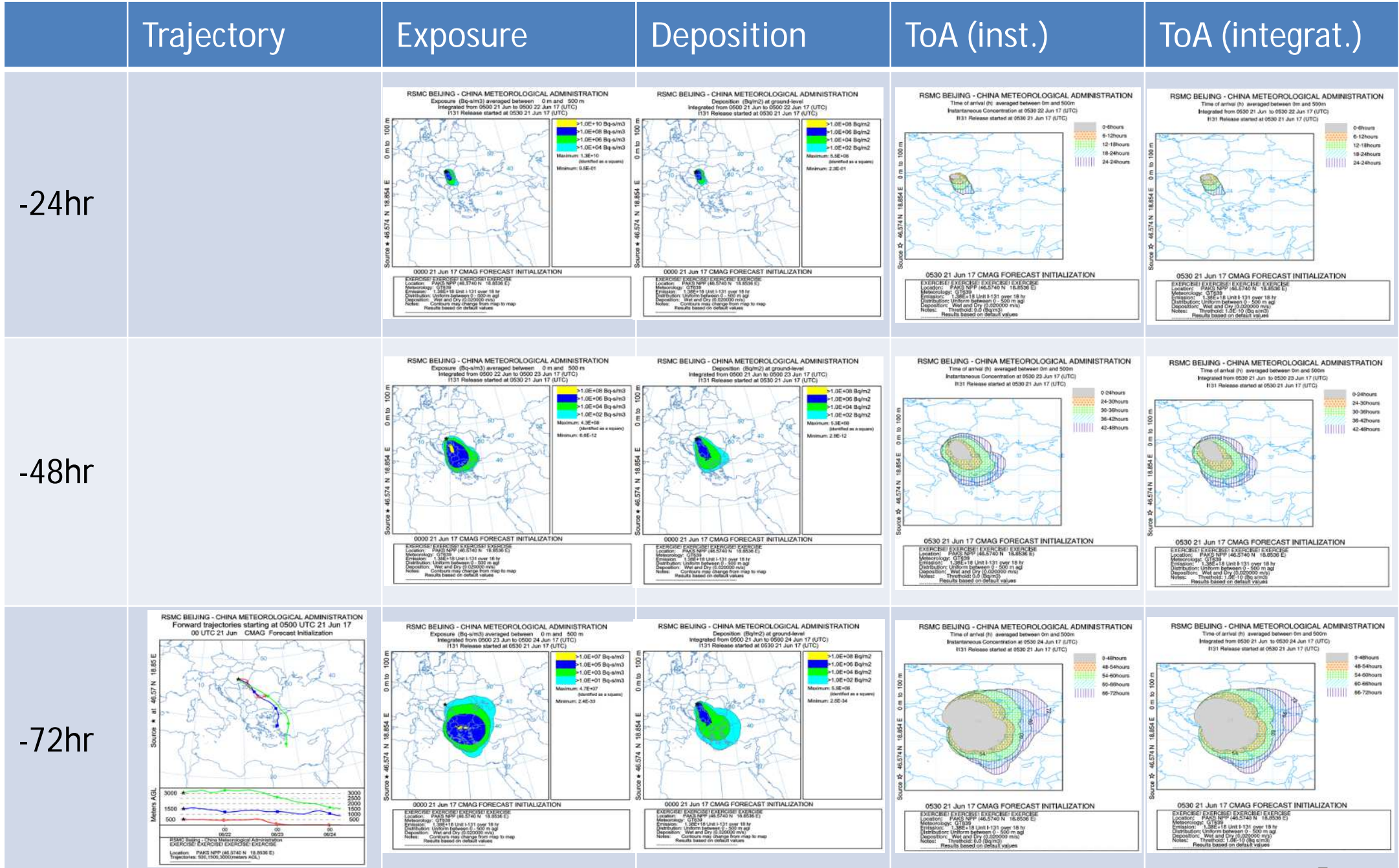
6.82 E+16 Bq of Sr-90 released during 12UTC 21 – 18UTC 21 by Beijing



9.71 E+16 Bq of Cs-137 released during 12UTC 21 – 18UTC 21 by Beijing



1.38 E+18 Bq of I-131 released during 05:30 UTC 21 – 00:00UTC 22 by Beijing



ToA test charts

presented by Mr. Anton Muscat (RSMC Exeter)

1 Bq of Cs-137 released during 06UTC 21 – 12UTC 21 by Exeter

| | -24hr | -48hr | -72hr |
|-----------------|---|---|---|
| Trajectory | | | <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 50.85366 46.57406 Start: 0600UTC 21/06/2017 End: 1200UTC 21/06/2017 Rate: 4.000000e-09Bq/s Height: 0.000 to 500.0000 m agl Pollutant: CAESUM-137 Run time: 0701UTC 21/06/2017</p> |
| Exposure | <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 50.85366 46.57406 Start: 0600UTC 21/06/2017 End: 1200UTC 21/06/2017 Rate: 4.000000e-09Bq/s Height: 0.000 to 500.0000 m agl Pollutant: CAESUM-137 Run time: 0701UTC 21/06/2017</p> <p>Results based on default initial values Contour values may change from chart to chart Maximum Value = 3.290e-09 Bq units</p> | <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 50.85366 46.57406 Start: 0600UTC 21/06/2017 End: 1200UTC 21/06/2017 Rate: 4.000000e-09Bq/s Height: 0.000 to 500.0000 m agl Pollutant: CAESUM-137 Run time: 0701UTC 21/06/2017</p> <p>Results based on default initial values Contour values may change from chart to chart Maximum Value = 1.471e-10 Bq units</p> | <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 50.85366 46.57406 Start: 0600UTC 21/06/2017 End: 1200UTC 21/06/2017 Rate: 4.000000e-09Bq/s Height: 0.000 to 500.0000 m agl Pollutant: CAESUM-137 Run time: 0701UTC 21/06/2017</p> <p>Results based on default initial values Contour values may change from chart to chart Maximum Value = 6.139e-11 Bq units</p> |
| Deposition | <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 50.85366 46.57406 Start: 0600UTC 21/06/2017 End: 1200UTC 21/06/2017 Rate: 4.000000e-09Bq/s Height: 0.000 to 500.0000 m agl Pollutant: CAESUM-137 Run time: 0701UTC 21/06/2017</p> <p>Results based on default initial values Contour values may change from chart to chart Maximum Value = 6.589e-11 Bq/m2</p> | <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 50.85366 46.57406 Start: 0600UTC 21/06/2017 End: 1200UTC 21/06/2017 Rate: 4.000000e-09Bq/s Height: 0.000 to 500.0000 m agl Pollutant: CAESUM-137 Run time: 0701UTC 21/06/2017</p> <p>Results based on default initial values Contour values may change from chart to chart Maximum Value = 6.589e-11 Bq/m2</p> | <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 50.85366 46.57406 Start: 0600UTC 21/06/2017 End: 1200UTC 21/06/2017 Rate: 4.000000e-09Bq/s Height: 0.000 to 500.0000 m agl Pollutant: CAESUM-137 Run time: 0701UTC 21/06/2017</p> <p>Results based on default initial values Contour values may change from chart to chart Maximum Value = 9.589e-11 Bq/m2</p> |
| ToA (avg) | <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 50.85366 46.57406 Start: 0600UTC 21/06/2017 End: 1200UTC 21/06/2017 Rate: 4.000000e-09Bq/s Height: 0.000 to 500.0000 m agl Pollutant: CAESUM-137 Run time: 0701UTC 21/06/2017</p> <p>Results based on default initial values Contour values may change from chart to chart Threshold for arrival time: 1e-20 Bq/m3</p> | <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 50.85366 46.57406 Start: 0600UTC 21/06/2017 End: 1200UTC 21/06/2017 Rate: 4.000000e-09Bq/s Height: 0.000 to 500.0000 m agl Pollutant: CAESUM-137 Run time: 0701UTC 21/06/2017</p> <p>Results based on default initial values Contour values may change from chart to chart Threshold for arrival time: 1e-20 Bq/m3</p> | <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 50.85366 46.57406 Start: 0600UTC 21/06/2017 End: 1200UTC 21/06/2017 Rate: 4.000000e-09Bq/s Height: 0.000 to 500.0000 m agl Pollutant: CAESUM-137 Run time: 0701UTC 21/06/2017</p> <p>Results based on default initial values Contour values may change from chart to chart Threshold for arrival time: 1e-20 Bq/m3</p> |
| ToA (integrat.) | <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 50.85366 46.57406 Start: 0600UTC 21/06/2017 End: 1200UTC 21/06/2017 Rate: 4.000000e-09Bq/s Height: 0.000 to 500.0000 m agl Pollutant: CAESUM-137 Run time: 0701UTC 21/06/2017</p> <p>Results based on default initial values Contour values may change from chart to chart Threshold for arrival time: 1e-14 Bq units</p> | <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 50.85366 46.57406 Start: 0600UTC 21/06/2017 End: 1200UTC 21/06/2017 Rate: 4.000000e-09Bq/s Height: 0.000 to 500.0000 m agl Pollutant: CAESUM-137 Run time: 0701UTC 21/06/2017</p> <p>Results based on default initial values Contour values may change from chart to chart Threshold for arrival time: 1e-14 Bq units</p> | <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 50.85366 46.57406 Start: 0600UTC 21/06/2017 End: 1200UTC 21/06/2017 Rate: 4.000000e-09Bq/s Height: 0.000 to 500.0000 m agl Pollutant: CAESUM-137 Run time: 0701UTC 21/06/2017</p> <p>Results based on default initial values Contour values may change from chart to chart Threshold for arrival time: 1e-14 Bq units</p> |

1.38 E+18 Bq of I-131 released during 12UTC 21 – 18UTC 21 by Exeter

| | -24hr | -48hr | -72hr |
|-----------------|---|---|---|
| Trajectory | | | <p>Exercise Exercise Exercise Forward Trajectories Met Office Issuing Centre: Met Office Dispersion Model: NAME Release Date: Location: 18.8538E 46.5740N Start: 1206UTC 21/06/2017 End: 1806UTC 21/06/2017 Rate: 6.388888E+17 Bq/s Height: 0.000 to 500.000m agl Pollutant: IODEM: I31 Run time: 1246UTC 21/06/2017 Results based on default initial values Contour values may change from chart to chart Maximum Value = 5.388E+07 Bq km3 Source Location Location of Maximum Value</p> |
| Exposure | <p>Exercise Exercise Exercise 024 Hr Time Integrated Air concentration From 0.0 to 500.0 m agl Valid from 12:00 21/06/2017 to 12:00 22/06/2017 Met Office Issuing Centre: Met Office Dispersion Model: NAME Release Date: Location: 18.8538E 46.5740N Start: 1206UTC 21/06/2017 End: 1806UTC 21/06/2017 Rate: 6.388888E+17 Bq/s Height: 0.000 to 500.000m agl Pollutant: IODEM: I31 Run time: 1246UTC 21/06/2017 Results based on default initial values Contour values may change from chart to chart Maximum Value = 5.138E+09 Bq km3 Source Location Location of Maximum Value</p> | <p>Exercise Exercise Exercise 024 Hr Time Integrated Air concentration From 0.0 to 500.0 m agl Valid from 12:00 22/06/2017 to 12:00 23/06/2017 Met Office Issuing Centre: Met Office Dispersion Model: NAME Release Date: Location: 18.8538E 46.5740N Start: 1206UTC 21/06/2017 End: 1806UTC 21/06/2017 Rate: 6.388888E+17 Bq/s Height: 0.000 to 500.000m agl Pollutant: IODEM: I31 Run time: 1246UTC 21/06/2017 Results based on default initial values Contour values may change from chart to chart Maximum Value = 3.353E+08 Bq km3 Source Location Location of Maximum Value</p> | <p>Exercise Exercise Exercise 024 Hr Time Integrated Air concentration From 0.0 to 500.0 m agl Valid from 12:00 23/06/2017 to 12:00 24/06/2017 Met Office Issuing Centre: Met Office Dispersion Model: NAME Release Date: Location: 18.8538E 46.5740N Start: 1206UTC 21/06/2017 End: 1806UTC 21/06/2017 Rate: 6.388888E+17 Bq/s Height: 0.000 to 500.000m agl Pollutant: IODEM: I31 Run time: 1246UTC 21/06/2017 Results based on default initial values Contour values may change from chart to chart Maximum Value = 5.388E+07 Bq km3 Source Location Location of Maximum Value</p> |
| Deposition | <p>Exercise Exercise Exercise 072 Hr Time Integrated Total deposition Boundary layer Valid from 12:00 19/06/2017 to 12:00 22/06/2017 Met Office Issuing Centre: Met Office Dispersion Model: NAME Release Date: Location: 18.8538E 46.5740N Start: 1206UTC 21/06/2017 End: 1806UTC 21/06/2017 Rate: 6.388888E+17 Bq/s Height: 0.000 to 500.000m agl Pollutant: IODEM: I31 Run time: 1246UTC 21/06/2017 Results based on default initial values Contour values may change from chart to chart Maximum Value = 3.337E+07 Bq/m2 Source Location Location of Maximum Value</p> | <p>Exercise Exercise Exercise 072 Hr Time Integrated Total deposition Boundary layer Valid from 12:00 20/06/2017 to 12:00 23/06/2017 Met Office Issuing Centre: Met Office Dispersion Model: NAME Release Date: Location: 18.8538E 46.5740N Start: 1206UTC 21/06/2017 End: 1806UTC 21/06/2017 Rate: 6.388888E+17 Bq/s Height: 0.000 to 500.000m agl Pollutant: IODEM: I31 Run time: 1246UTC 21/06/2017 Results based on default initial values Contour values may change from chart to chart Maximum Value = 3.323E+07 Bq/m2 Source Location Location of Maximum Value</p> | <p>Exercise Exercise Exercise 072 Hr Time Integrated Total deposition Boundary layer Valid from 12:00 21/06/2017 to 12:00 24/06/2017 Met Office Issuing Centre: Met Office Dispersion Model: NAME Release Date: Location: 18.8538E 46.5740N Start: 1206UTC 21/06/2017 End: 1806UTC 21/06/2017 Rate: 6.388888E+17 Bq/s Height: 0.000 to 500.000m agl Pollutant: IODEM: I31 Run time: 1246UTC 21/06/2017 Results based on default initial values Contour values may change from chart to chart Maximum Value = 3.323E+07 Bq/m2 Source Location Location of Maximum Value</p> |
| ToA (avg) | <p>Exercise Exercise Exercise Time of Arrival (averaged) Met Office Issuing Centre: Met Office Dispersion Model: NAME Release Date: Location: 18.8538E 46.5740N Start: 1206UTC 21/06/2017 End: 1806UTC 21/06/2017 Rate: 6.388888E+17 Bq/s Height: 0.000 to 500.000m agl Pollutant: IODEM: I31 Run time: 1246UTC 21/06/2017 Results based on default initial values Contour values may change from chart to chart Threshold for arrival time: 0.000 Bq/m3 Source Location</p> | <p>Exercise Exercise Exercise Time of Arrival (averaged) Met Office Issuing Centre: Met Office Dispersion Model: NAME Release Date: Location: 18.8538E 46.5740N Start: 1206UTC 21/06/2017 End: 1806UTC 21/06/2017 Rate: 6.388888E+17 Bq/s Height: 0.000 to 500.000m agl Pollutant: IODEM: I31 Run time: 1246UTC 21/06/2017 Results based on default initial values Contour values may change from chart to chart Threshold for arrival time: 0.000 Bq/m3 Source Location</p> | <p>Exercise Exercise Exercise Time of Arrival (averaged) Met Office Issuing Centre: Met Office Dispersion Model: NAME Release Date: Location: 18.8538E 46.5740N Start: 1206UTC 21/06/2017 End: 1806UTC 21/06/2017 Rate: 6.388888E+17 Bq/s Height: 0.000 to 500.000m agl Pollutant: IODEM: I31 Run time: 1246UTC 21/06/2017 Results based on default initial values Contour values may change from chart to chart Threshold for arrival time: 0.000 Bq/m3 Source Location</p> |
| ToA (integrat.) | <p>Exercise Exercise Exercise Time of Arrival (integrated) Met Office Issuing Centre: Met Office Dispersion Model: NAME Release Date: Location: 18.8538E 46.5740N Start: 1206UTC 21/06/2017 End: 1806UTC 21/06/2017 Rate: 6.388888E+17 Bq/s Height: 0.000 to 500.000m agl Pollutant: IODEM: I31 Run time: 1246UTC 21/06/2017 Results based on default initial values Contour values may change from chart to chart Threshold for arrival time: 1000.0 Bq km3 Source Location</p> | <p>Exercise Exercise Exercise Time of Arrival (integrated) Met Office Issuing Centre: Met Office Dispersion Model: NAME Release Date: Location: 18.8538E 46.5740N Start: 1206UTC 21/06/2017 End: 1806UTC 21/06/2017 Rate: 6.388888E+17 Bq/s Height: 0.000 to 500.000m agl Pollutant: IODEM: I31 Run time: 1246UTC 21/06/2017 Results based on default initial values Contour values may change from chart to chart Threshold for arrival time: 1000.0 Bq km3 Source Location</p> | <p>Exercise Exercise Exercise Time of Arrival (integrated) Met Office Issuing Centre: Met Office Dispersion Model: NAME Release Date: Location: 18.8538E 46.5740N Start: 1206UTC 21/06/2017 End: 1806UTC 21/06/2017 Rate: 6.388888E+17 Bq/s Height: 0.000 to 500.000m agl Pollutant: IODEM: I31 Run time: 1246UTC 21/06/2017 Results based on default initial values Contour values may change from chart to chart Threshold for arrival time: 1000.0 Bq km3 Source Location</p> |

6.82 E+16 Bq of Sr-90 released during 12UTC 21 – 18UTC 21 by Exeter

| | -24hr | -48hr | -72hr |
|-----------------|--|--|--|
| Trajectory | | | <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 18.8536E 46.5740N Start: 1200UTC 21/06/2017 End: 1800UTC 21/06/2017 Rate: 3.157222E+12Bq/s Height: 0.00E+00 to 500.00m agl Pollutant: STRONTIUM-90</p> <p>Run time: 1257UTC 21/06/2017 Results based on default initial values Contour values may change from chart to chart Maximum Value = 2.533E+08 Bq km²</p> |
| Exposure | <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 18.8536E 46.5740N Start: 1200UTC 21/06/2017 End: 1800UTC 21/06/2017 Rate: 3.157222E+12Bq/s Height: 0.00E+00 to 500.00m agl Pollutant: STRONTIUM-90</p> <p>Run time: 1257UTC 21/06/2017 Results based on default initial values Contour values may change from chart to chart Maximum Value = 2.533E+08 Bq km²</p> | <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 18.8536E 46.5740N Start: 1200UTC 21/06/2017 End: 1800UTC 21/06/2017 Rate: 3.157222E+12Bq/s Height: 0.00E+00 to 500.00m agl Pollutant: STRONTIUM-90</p> <p>Run time: 1257UTC 21/06/2017 Results based on default initial values Contour values may change from chart to chart Maximum Value = 1.138E+07 Bq km²</p> | <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 18.8536E 46.5740N Start: 1200UTC 21/06/2017 End: 1800UTC 21/06/2017 Rate: 3.157222E+12Bq/s Height: 0.00E+00 to 500.00m agl Pollutant: STRONTIUM-90</p> <p>Run time: 1257UTC 21/06/2017 Results based on default initial values Contour values may change from chart to chart Maximum Value = 1.045E+06 Bq km²</p> |
| Deposition | <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 18.8536E 46.5740N Start: 1200UTC 21/06/2017 End: 1800UTC 21/06/2017 Rate: 3.157222E+12Bq/s Height: 0.00E+00 to 500.00m agl Pollutant: STRONTIUM-90</p> <p>Run time: 1257UTC 21/06/2017 Results based on default initial values Contour values may change from chart to chart Maximum Value = 2.625E+06 Bq/m²</p> | <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 18.8536E 46.5740N Start: 1200UTC 21/06/2017 End: 1800UTC 21/06/2017 Rate: 3.157222E+12Bq/s Height: 0.00E+00 to 500.00m agl Pollutant: STRONTIUM-90</p> <p>Run time: 1257UTC 21/06/2017 Results based on default initial values Contour values may change from chart to chart Maximum Value = 2.428E+06 Bq/m²</p> | <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 18.8536E 46.5740N Start: 1200UTC 21/06/2017 End: 1800UTC 21/06/2017 Rate: 3.157222E+12Bq/s Height: 0.00E+00 to 500.00m agl Pollutant: STRONTIUM-90</p> <p>Run time: 1257UTC 21/06/2017 Results based on default initial values Contour values may change from chart to chart Maximum Value = 2.428E+06 Bq/m²</p> |
| ToA (avg) | <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 18.8536E 46.5740N Start: 1200UTC 21/06/2017 End: 1800UTC 21/06/2017 Rate: 3.157222E+12Bq/s Height: 0.00E+00 to 500.00m agl Pollutant: STRONTIUM-90</p> <p>Run time: 1257UTC 21/06/2017 Results based on default initial values Contour values may change from chart to chart Threshold for arrival time: 0.0001 Bq/m²</p> | <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 18.8536E 46.5740N Start: 1200UTC 21/06/2017 End: 1800UTC 21/06/2017 Rate: 3.157222E+12Bq/s Height: 0.00E+00 to 500.00m agl Pollutant: STRONTIUM-90</p> <p>Run time: 1257UTC 21/06/2017 Results based on default initial values Contour values may change from chart to chart Threshold for arrival time: 0.0001 Bq/m²</p> | <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 18.8536E 46.5740N Start: 1200UTC 21/06/2017 End: 1800UTC 21/06/2017 Rate: 3.157222E+12Bq/s Height: 0.00E+00 to 500.00m agl Pollutant: STRONTIUM-90</p> <p>Run time: 1257UTC 21/06/2017 Results based on default initial values Contour values may change from chart to chart Threshold for arrival time: 0.0001 Bq/m²</p> |
| ToA (integrat.) | <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 18.8536E 46.5740N Start: 1200UTC 21/06/2017 End: 1800UTC 21/06/2017 Rate: 3.157222E+12Bq/s Height: 0.00E+00 to 500.00m agl Pollutant: STRONTIUM-90</p> <p>Run time: 1257UTC 21/06/2017 Results based on default initial values Contour values may change from chart to chart Threshold for arrival time: 100.0 Bq km²</p> | <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 18.8536E 46.5740N Start: 1200UTC 21/06/2017 End: 1800UTC 21/06/2017 Rate: 3.157222E+12Bq/s Height: 0.00E+00 to 500.00m agl Pollutant: STRONTIUM-90</p> <p>Run time: 1257UTC 21/06/2017 Results based on default initial values Contour values may change from chart to chart Threshold for arrival time: 100.0 Bq km²</p> | <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 18.8536E 46.5740N Start: 1200UTC 21/06/2017 End: 1800UTC 21/06/2017 Rate: 3.157222E+12Bq/s Height: 0.00E+00 to 500.00m agl Pollutant: STRONTIUM-90</p> <p>Run time: 1257UTC 21/06/2017 Results based on default initial values Contour values may change from chart to chart Threshold for arrival time: 100.0 Bq km²</p> |

9.71 E+16 Bq of Cs-137 released during 12UTC 21 – 18UTC 21 by Exeter

| | -24hr | -48hr | -72hr |
|-----------------|-------|-------|-------|
| Trajectory | | | |
| Exposure | | | |
| Deposition | | | |
| ToA (avg) | | | |
| ToA (integrat.) | | | |

1.38 E+18 Bq of I-131 released during 05:30 UTC 21 – 00:00UTC 22 by Exeter

| | -24hr | -48hr | -72hr |
|-----------------|---|---|---|
| Trajectory | | | <p>Exercise Exercise Exercise Forward Trajectories</p> <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 18.8548E 48.3725N Start: 05:30UTC 21/06/2017 End: 00:00UTC 22/06/2017 Rate: 2.072072E+18Bq/s Height: 0.000 to 100.000m agl Pollutant: IODINE-131</p> <p>Run time: 19/06/2017 21:06:03.17</p> <p>Results based on default initial values Contour values may change from chart to chart</p> <p>Maximum Value = 3.127E+08 Bq km⁻²</p> <p>Source Location Location of Maximum Value</p> |
| Exposure | <p>Exercise Exercise Exercise 024 Hr Time Integrated Air concentration From 0.0 to 500.0 m agl Valid from 00:00 21/06/2017 to 00:00 22/06/2017</p> <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 18.8548E 48.3725N Start: 05:30UTC 21/06/2017 End: 00:00UTC 22/06/2017 Rate: 2.072072E+18Bq/s Height: 0.000 to 100.000m agl Pollutant: IODINE-131</p> <p>Run time: 19/06/2017 21:06:03.17</p> <p>Results based on default initial values Contour values may change from chart to chart</p> <p>Maximum Value = 5.127E+09 Bq s km⁻²</p> <p>Source Location Location of Maximum Value</p> | <p>Exercise Exercise Exercise 024 Hr Time Integrated Air concentration From 0.0 to 500.0 m agl Valid from 00:00 22/06/2017 to 00:00 23/06/2017</p> <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 18.8548E 48.3725N Start: 05:30UTC 21/06/2017 End: 00:00UTC 22/06/2017 Rate: 2.072072E+18Bq/s Height: 0.000 to 100.000m agl Pollutant: IODINE-131</p> <p>Run time: 19/06/2017 21:06:03.17</p> <p>Results based on default initial values Contour values may change from chart to chart</p> <p>Maximum Value = 3.234E+09 Bq s km⁻²</p> <p>Source Location Location of Maximum Value</p> | <p>Exercise Exercise Exercise 024 Hr Time Integrated Air concentration From 0.0 to 500.0 m agl Valid from 00:00 23/06/2017 to 00:00 24/06/2017</p> <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 18.8548E 48.3725N Start: 05:30UTC 21/06/2017 End: 00:00UTC 22/06/2017 Rate: 2.072072E+18Bq/s Height: 0.000 to 100.000m agl Pollutant: IODINE-131</p> <p>Run time: 19/06/2017 21:06:03.17</p> <p>Results based on default initial values Contour values may change from chart to chart</p> <p>Maximum Value = 1.127E+08 Bq s km⁻²</p> <p>Source Location Location of Maximum Value</p> |
| Deposition | <p>Exercise Exercise Exercise 072 Hr Time Integrated Total deposition Boundary layer Valid from 00:00 19/06/2017 to 00:00 22/06/2017</p> <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 18.8548E 48.3725N Start: 05:30UTC 21/06/2017 End: 00:00UTC 22/06/2017 Rate: 2.072072E+18Bq/s Height: 0.000 to 100.000m agl Pollutant: IODINE-131</p> <p>Run time: 19/06/2017 21:06:03.17</p> <p>Results based on default initial values Contour values may change from chart to chart</p> <p>Maximum Value = 4.922E+07 Bq/m²</p> <p>Source Location Location of Maximum Value</p> | <p>Exercise Exercise Exercise 072 Hr Time Integrated Total deposition Boundary layer Valid from 00:00 20/06/2017 to 00:00 23/06/2017</p> <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 18.8548E 48.3725N Start: 05:30UTC 21/06/2017 End: 00:00UTC 22/06/2017 Rate: 2.072072E+18Bq/s Height: 0.000 to 100.000m agl Pollutant: IODINE-131</p> <p>Run time: 19/06/2017 21:06:03.17</p> <p>Results based on default initial values Contour values may change from chart to chart</p> <p>Maximum Value = 5.023E+07 Bq/m²</p> <p>Source Location Location of Maximum Value</p> | <p>Exercise Exercise Exercise 072 Hr Time Integrated Total deposition Boundary layer Valid from 00:00 21/06/2017 to 00:00 24/06/2017</p> <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 18.8548E 48.3725N Start: 05:30UTC 21/06/2017 End: 00:00UTC 22/06/2017 Rate: 2.072072E+18Bq/s Height: 0.000 to 100.000m agl Pollutant: IODINE-131</p> <p>Run time: 19/06/2017 21:06:03.17</p> <p>Results based on default initial values Contour values may change from chart to chart</p> <p>Maximum Value = 5.023E+07 Bq/m²</p> <p>Source Location Location of Maximum Value</p> |
| ToA (avg) | <p>Exercise Exercise Exercise Time of Arrival (averaged)</p> <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 18.8548E 48.3725N Start: 05:30UTC 21/06/2017 End: 00:00UTC 22/06/2017 Rate: 2.072072E+18Bq/s Height: 0.000 to 100.000m agl Pollutant: IODINE-131</p> <p>Run time: 19/06/2017 21:06:03.17</p> <p>Results based on default initial values Contour values may change from chart to chart</p> <p>Threshold for arrival time: 0.01 Bq/m³</p> <p>Source Location</p> <p>[hours since 2017-06-21 05:30:00]</p> | <p>Exercise Exercise Exercise Time of Arrival (averaged)</p> <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 18.8548E 48.3725N Start: 05:30UTC 21/06/2017 End: 00:00UTC 22/06/2017 Rate: 2.072072E+18Bq/s Height: 0.000 to 100.000m agl Pollutant: IODINE-131</p> <p>Run time: 19/06/2017 21:06:03.17</p> <p>Results based on default initial values Contour values may change from chart to chart</p> <p>Threshold for arrival time: 0.01 Bq/m³</p> <p>Source Location</p> <p>[hours since 2017-06-21 05:30:00]</p> | <p>Exercise Exercise Exercise Time of Arrival (averaged)</p> <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 18.8548E 48.3725N Start: 05:30UTC 21/06/2017 End: 00:00UTC 22/06/2017 Rate: 2.072072E+18Bq/s Height: 0.000 to 100.000m agl Pollutant: IODINE-131</p> <p>Run time: 19/06/2017 21:06:03.17</p> <p>Results based on default initial values Contour values may change from chart to chart</p> <p>Threshold for arrival time: 0.01 Bq/m³</p> <p>Source Location</p> <p>[hours since 2017-06-21 05:30:00]</p> |
| ToA (integrat.) | <p>Exercise Exercise Exercise Time of Arrival (integrated)</p> <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 18.8548E 48.3725N Start: 05:30UTC 21/06/2017 End: 00:00UTC 22/06/2017 Rate: 2.072072E+18Bq/s Height: 0.000 to 100.000m agl Pollutant: IODINE-131</p> <p>Run time: 19/06/2017 21:06:03.17</p> <p>Results based on default initial values Contour values may change from chart to chart</p> <p>Threshold for arrival time: 10000.0 Bq s km⁻²</p> <p>Source Location</p> <p>[hours since 2017-06-21 05:30:00]</p> | <p>Exercise Exercise Exercise Time of Arrival (integrated)</p> <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 18.8548E 48.3725N Start: 05:30UTC 21/06/2017 End: 00:00UTC 22/06/2017 Rate: 2.072072E+18Bq/s Height: 0.000 to 100.000m agl Pollutant: IODINE-131</p> <p>Run time: 19/06/2017 21:06:03.17</p> <p>Results based on default initial values Contour values may change from chart to chart</p> <p>Threshold for arrival time: 10000.0 Bq s km⁻²</p> <p>Source Location</p> <p>[hours since 2017-06-21 05:30:00]</p> | <p>Exercise Exercise Exercise Time of Arrival (integrated)</p> <p>Met Office Issuing Centre: Met Office Dispersion Model: NAME</p> <p>Release Data Location: 18.8548E 48.3725N Start: 05:30UTC 21/06/2017 End: 00:00UTC 22/06/2017 Rate: 2.072072E+18Bq/s Height: 0.000 to 100.000m agl Pollutant: IODINE-131</p> <p>Run time: 19/06/2017 21:06:03.17</p> <p>Results based on default initial values Contour values may change from chart to chart</p> <p>Threshold for arrival time: 10000.0 Bq s km⁻²</p> <p>Source Location</p> <p>[hours since 2017-06-21 05:30:00]</p> |

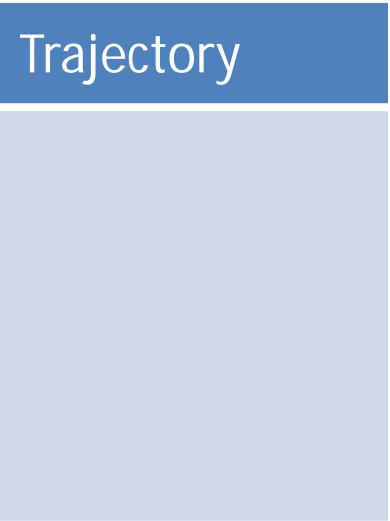
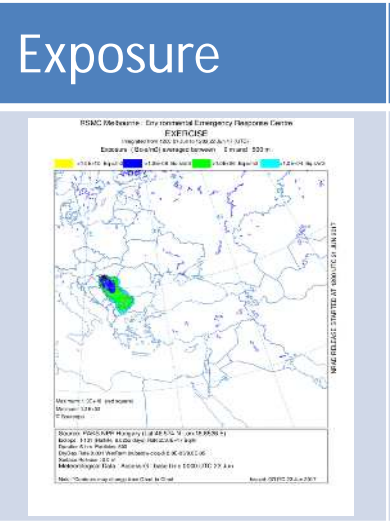
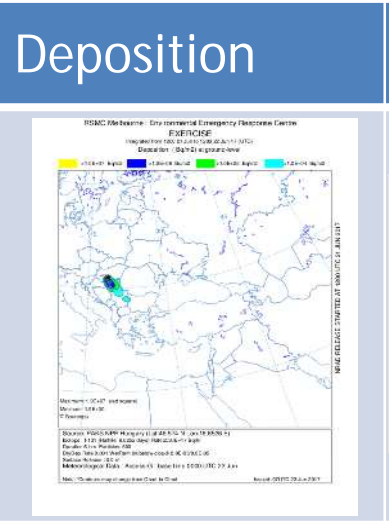
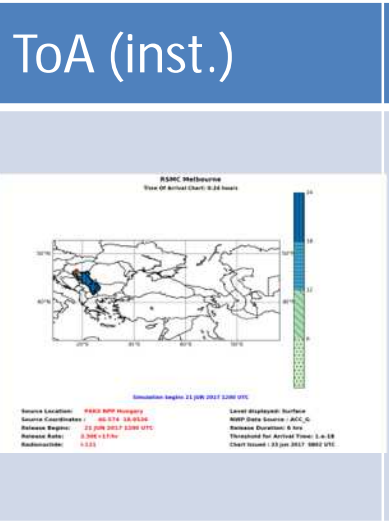
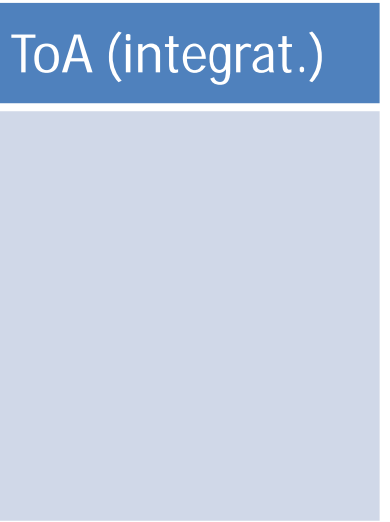
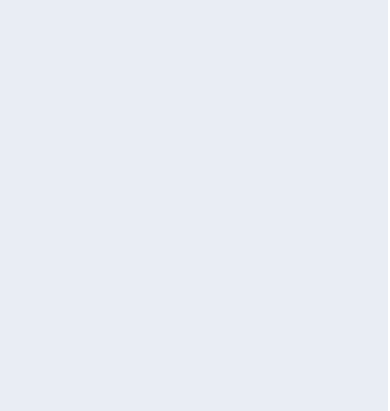
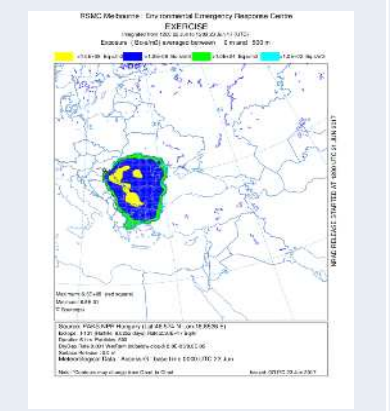
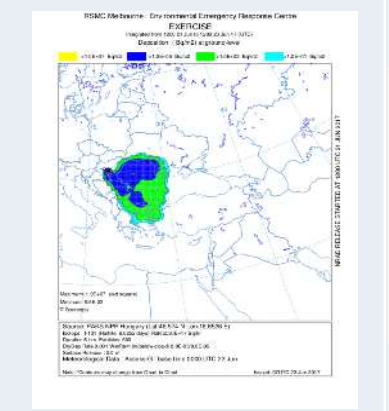
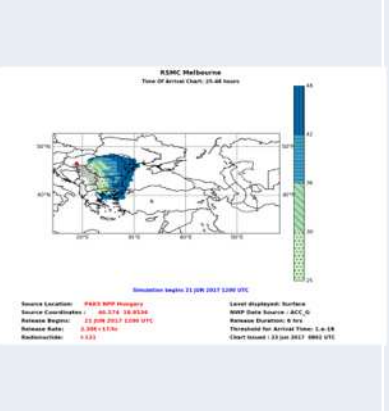
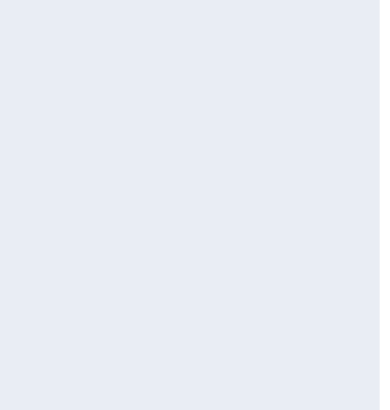
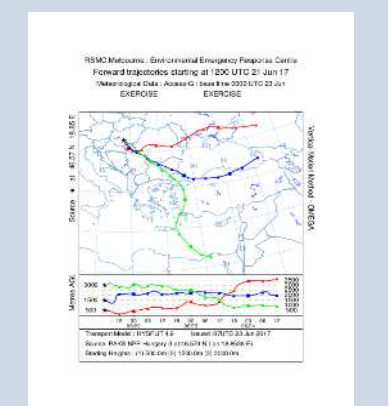
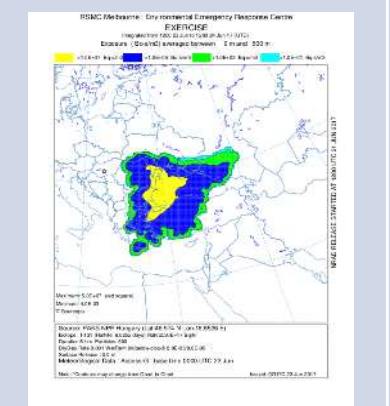
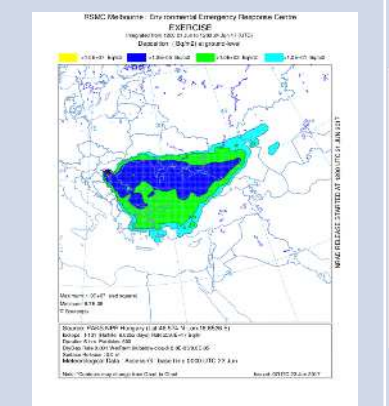
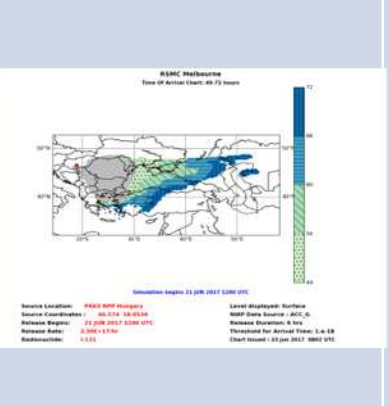
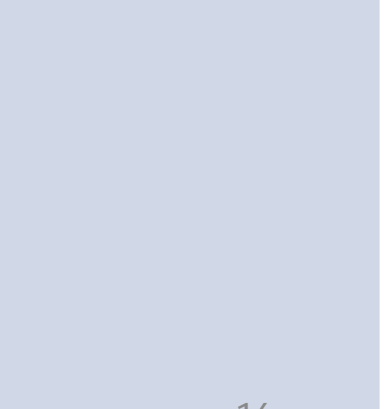
ToA test charts

presented by Mr. James Fraser (RSMC Melbourne)

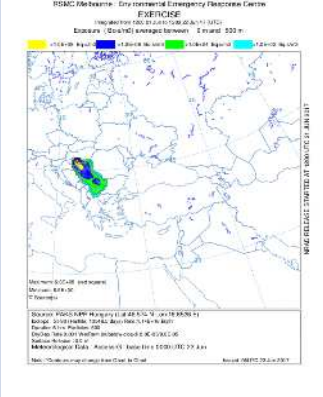
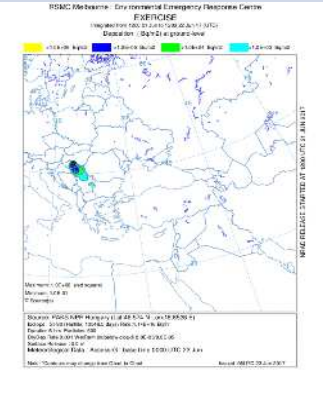
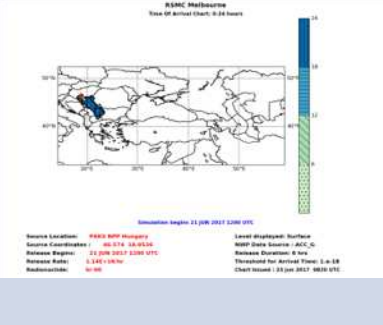
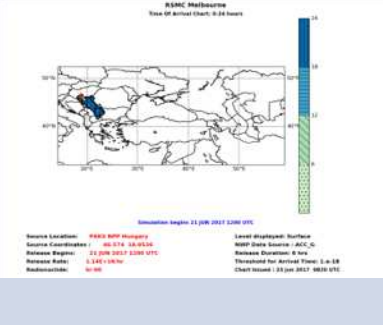
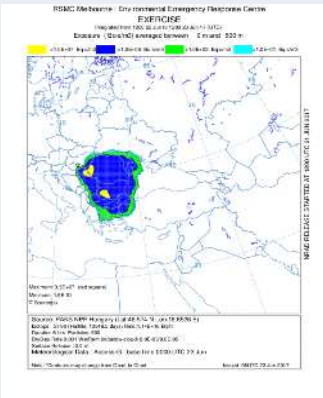
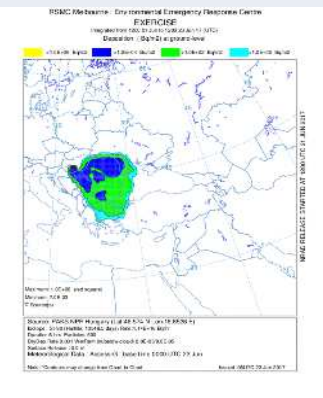
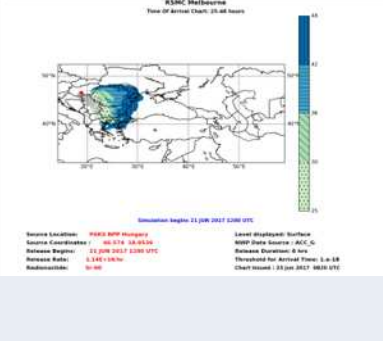
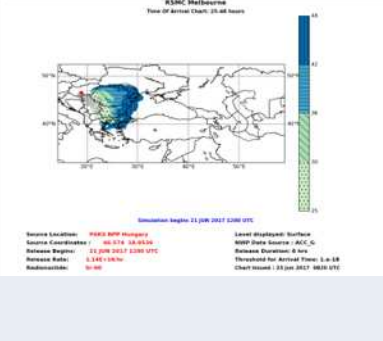
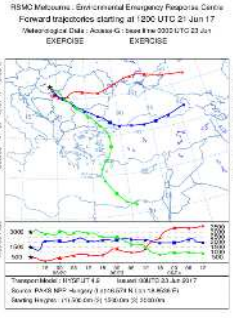
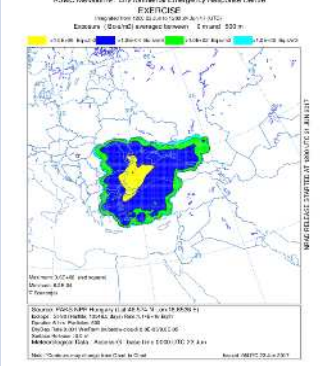
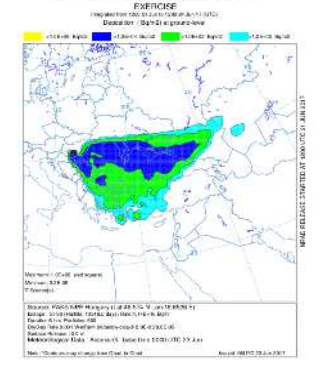
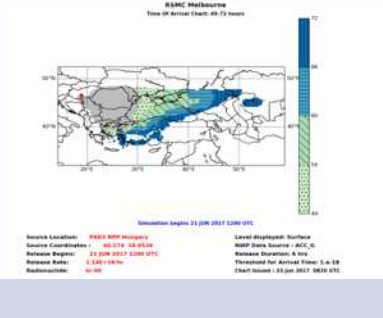
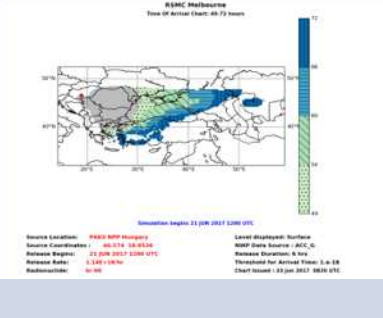
1 Bq of Cs-137 released during 06UTC 21 – 12UTC 21 by Melbourne

| | Trajectory | Exposure | Deposition | ToA (inst.) | ToA (integrat.) |
|-------|--|---|---|--|-----------------|
| -24hr | | <p>RSBQ Melbourne - Environmental Emergency Response Centre EXERCISE Integration from 06:00 UTC to 12:00 UTC Exposure (Ground) average between 0 m and 300 m Time of Arrival Chart: 24.00 hours</p> | <p>RSBQ Melbourne - Environmental Emergency Response Centre EXERCISE Integration from 06:00 UTC to 12:00 UTC Deposition (Ground) average between 0 m and 300 m Time of Arrival Chart: 24.00 hours</p> | <p>RSBQ Melbourne Time of Arrival Chart: 24.00 hours</p> | |
| -48hr | | <p>RSBQ Melbourne - Environmental Emergency Response Centre EXERCISE Integration from 06:00 UTC to 12:00 UTC Exposure (Ground) average between 0 m and 300 m Time of Arrival Chart: 48.00 hours</p> | <p>RSBQ Melbourne - Environmental Emergency Response Centre EXERCISE Integration from 06:00 UTC to 12:00 UTC Deposition (Ground) average between 0 m and 300 m Time of Arrival Chart: 48.00 hours</p> | <p>RSBQ Melbourne Time of Arrival Chart: 48.00 hours</p> | |
| -72hr | <p>RSBQ Melbourne - Environmental Emergency Response Centre Forward trajectories starting at 06:00 UTC 21 Jun 17 Meteorological Data: Australia G1: Issue 8 on 2015 UTC 21 Jun EXERCISE EXERCISE</p> | <p>RSBQ Melbourne - Environmental Emergency Response Centre EXERCISE Integration from 06:00 UTC to 12:00 UTC Exposure (Ground) average between 0 m and 300 m Time of Arrival Chart: 72.00 hours</p> | <p>RSBQ Melbourne - Environmental Emergency Response Centre EXERCISE Integration from 06:00 UTC to 12:00 UTC Deposition (Ground) average between 0 m and 300 m Time of Arrival Chart: 72.00 hours</p> | <p>RSBQ Melbourne Time of Arrival Chart: 72.00 hours</p> | |

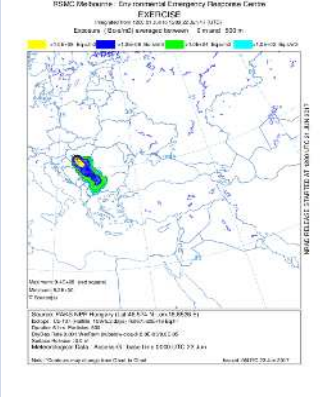
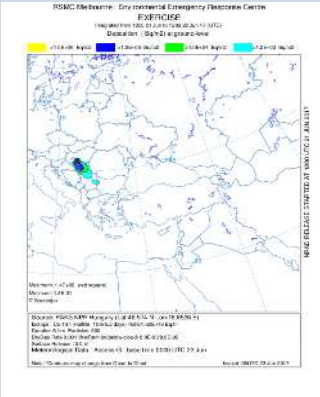
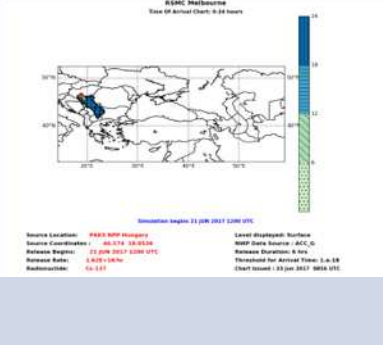
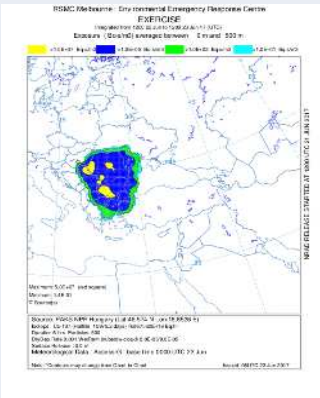
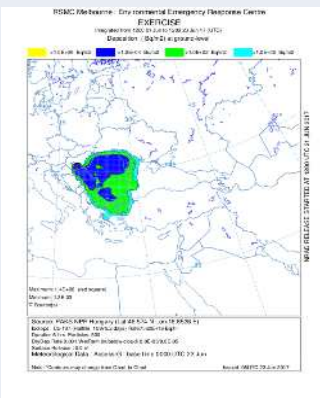
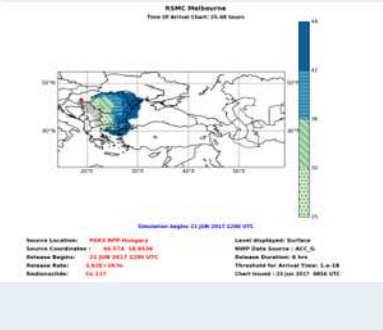
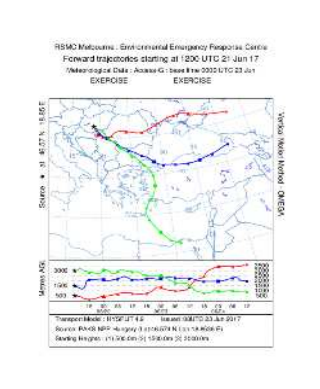
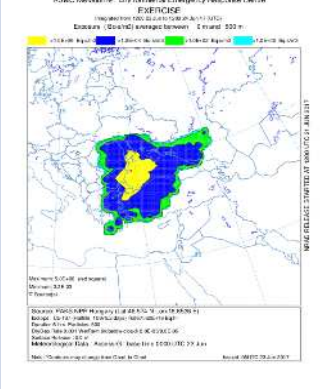
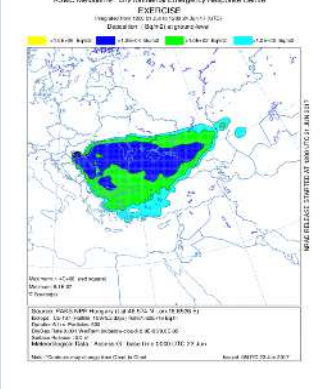
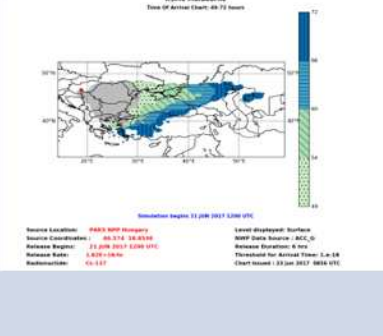
1.38 E+18 Bq of I-131 released during 12UTC 21 – 18UTC 21 by Melbourne

| | Trajectory | Exposure | Deposition | ToA (inst.) | ToA (integrat.) |
|-------|---|--|---|---|---|
| -24hr |  |  |  |  |  |
| -48hr |  |  |  |  |  |
| -72hr |  |  |  |  |  |

6.82 E+16 Bq of Sr-90 released during 12UTC 21 – 18UTC 21 by Melbourne

| | Trajectory | Exposure | Deposition | ToA (inst.) | ToA (integrat.) |
|-------|---|--|---|---|---|
| -24hr | |  |  |  |  |
| -48hr | |  |  |  |  |
| -72hr |  |  |  |  |  |

9.71 E+16 Bq of Cs-137 released during 12UTC 21 – 18UTC 21 by Melbourne

| | Trajectory | Exposure | Deposition | ToA (inst.) | ToA (integrat.) |
|-------|---|---|---|---|-----------------|
| -24hr | |  |  |  | |
| -48hr | |  |  |  | |
| -72hr |  |  |  |  | |

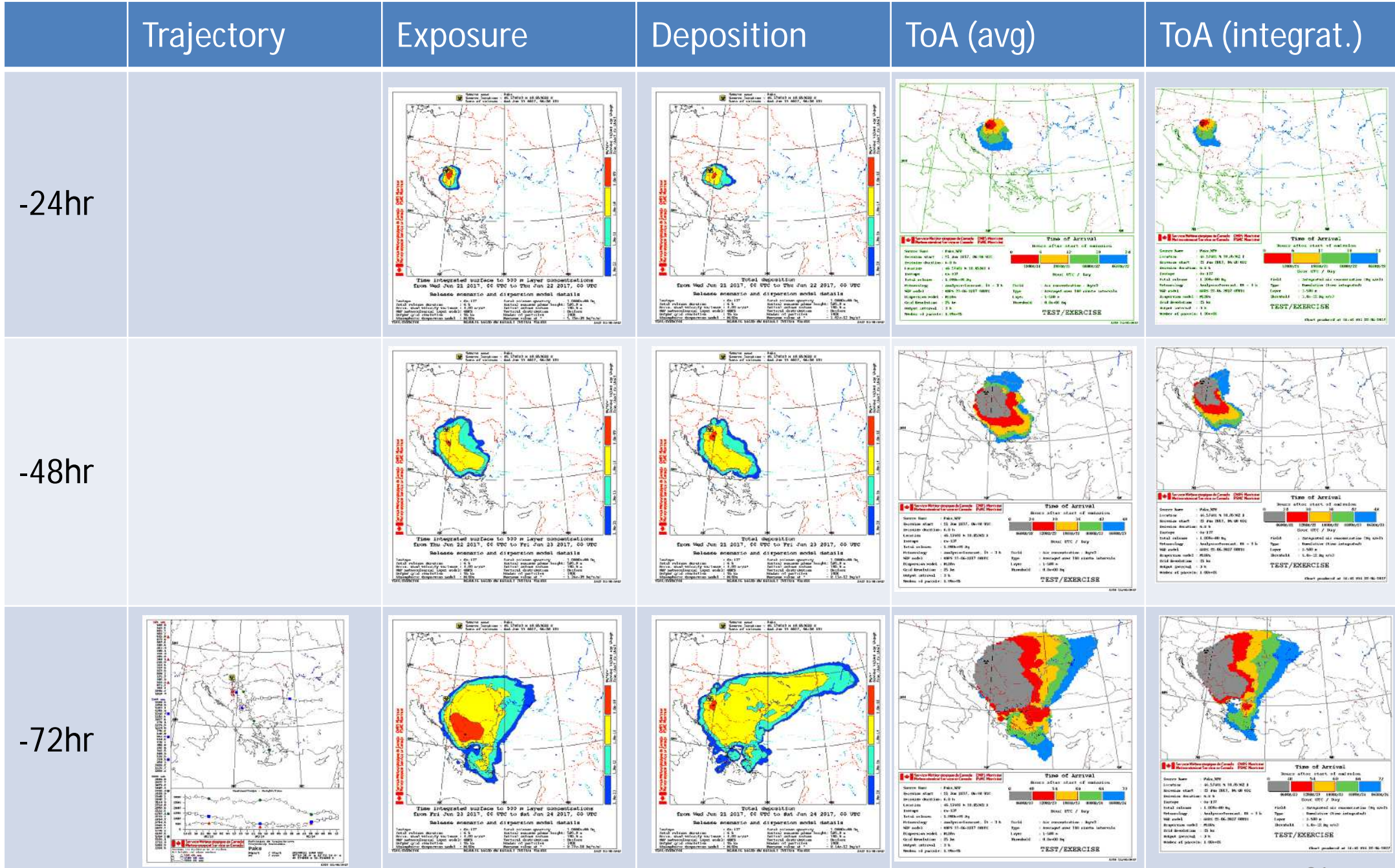
1.38 E+18 Bq of I-131 released during 05:30 UTC 21 – 00:00UTC 22 by Melbourne

| | Trajectory | Exposure | Deposition | ToA (inst.) | ToA (integrat.) |
|-------|--|--|--|--|-----------------|
| -24hr | | <p>RSMC Melbourne - Environmental Emergency Response Centre EXERCISE Dispersion Model: RTM2.7.4.1 Duration (Source) average between: 5 mrad: 200 s Max: 1.1E+08 Bq/m² and min: 1.1E+07 Bq/m²</p> | <p>RSMC Melbourne - Environmental Emergency Response Centre EXERCISE Dispersion Model: RTM2.7.4.1 Duration (Source) average between: 5 mrad: 200 s Max: 1.1E+08 Bq/m² and min: 1.1E+07 Bq/m²</p> | <p>RSMC Melbourne Time of Arrival Chart: 0.00 hours Simulation begins: 21 Jun 2017 05:30 UTC Source Location: Pala, Australia Source Coordinates: -36.514 146.953 Release Height: 22 Jun 2017 05:30 UTC Release Rate: 1.38E+18 Bq/s Radioisotope: I-131</p> | |
| -48hr | | <p>RSMC Melbourne - Environmental Emergency Response Centre EXERCISE Dispersion Model: RTM2.7.4.1 Duration (Source) average between: 5 mrad: 200 s Max: 1.1E+08 Bq/m² and min: 1.1E+07 Bq/m²</p> | <p>RSMC Melbourne - Environmental Emergency Response Centre EXERCISE Dispersion Model: RTM2.7.4.1 Duration (Source) average between: 5 mrad: 200 s Max: 1.1E+08 Bq/m² and min: 1.1E+07 Bq/m²</p> | <p>RSMC Melbourne Time of Arrival Chart: 0.00 hours Simulation begins: 21 Jun 2017 05:30 UTC Source Location: Pala, Australia Source Coordinates: -36.514 146.953 Release Height: 22 Jun 2017 05:30 UTC Release Rate: 1.38E+18 Bq/s Radioisotope: I-131</p> | |
| -72hr | <p>RSMC Melbourne - Environmental Emergency Response Centre Forward trajectories starting at 05:30 UTC 21 Jun 17 Dispersion Model: RTM2.7.4.1 Duration (Source) average between: 5 mrad: 200 s Max: 1.1E+08 Bq/m² and min: 1.1E+07 Bq/m²</p> | <p>RSMC Melbourne - Environmental Emergency Response Centre EXERCISE Dispersion Model: RTM2.7.4.1 Duration (Source) average between: 5 mrad: 200 s Max: 1.1E+08 Bq/m² and min: 1.1E+07 Bq/m²</p> | <p>RSMC Melbourne - Environmental Emergency Response Centre EXERCISE Dispersion Model: RTM2.7.4.1 Duration (Source) average between: 5 mrad: 200 s Max: 1.1E+08 Bq/m² and min: 1.1E+07 Bq/m²</p> | <p>RSMC Melbourne Time of Arrival Chart: 0.00 hours Simulation begins: 21 Jun 2017 05:30 UTC Source Location: Pala, Australia Source Coordinates: -36.514 146.953 Release Height: 22 Jun 2017 05:30 UTC Release Rate: 1.38E+18 Bq/s Radioisotope: I-131</p> | |

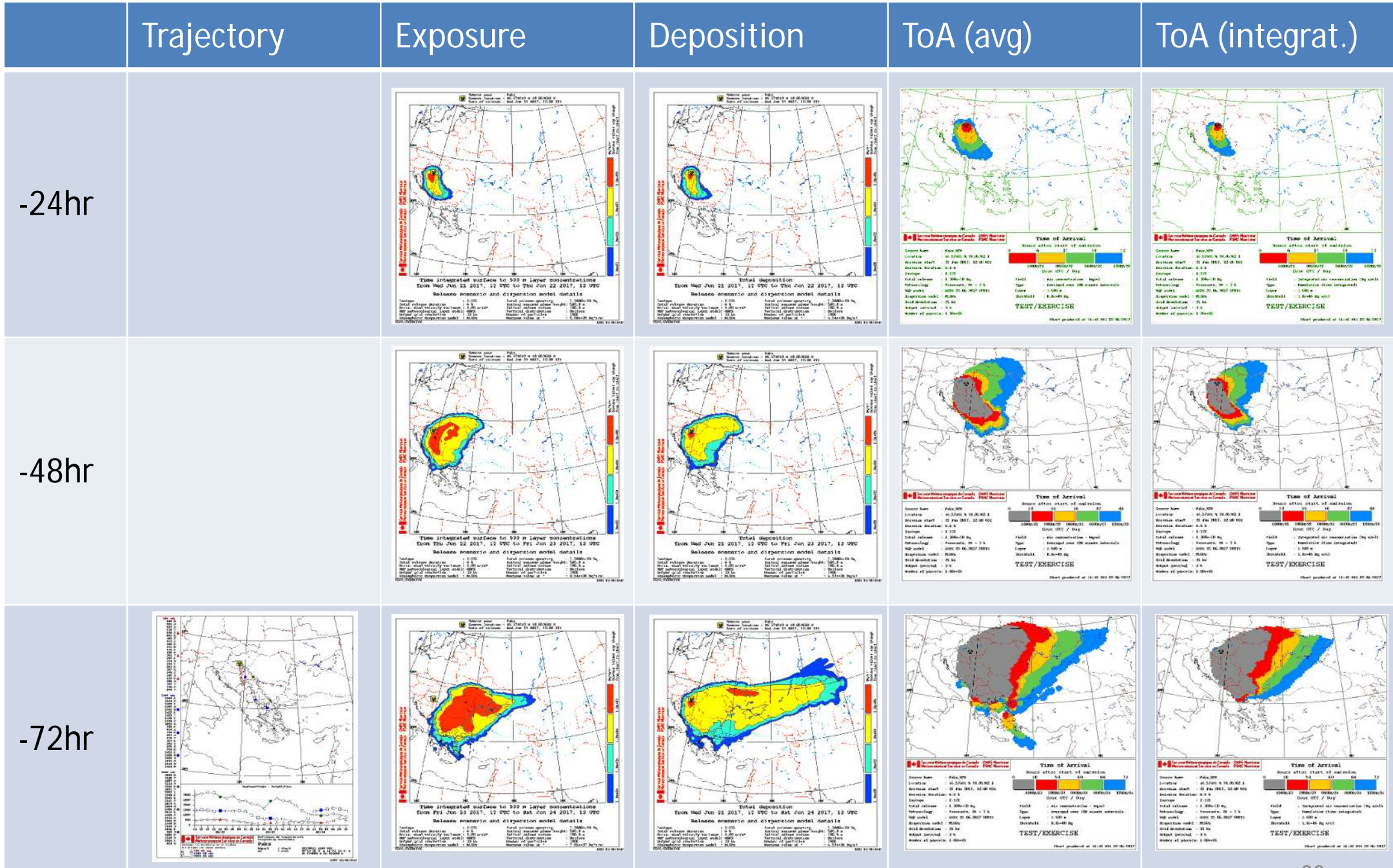
ToA test charts

presented by Mr. Nils Ek (RSMC Montreal)

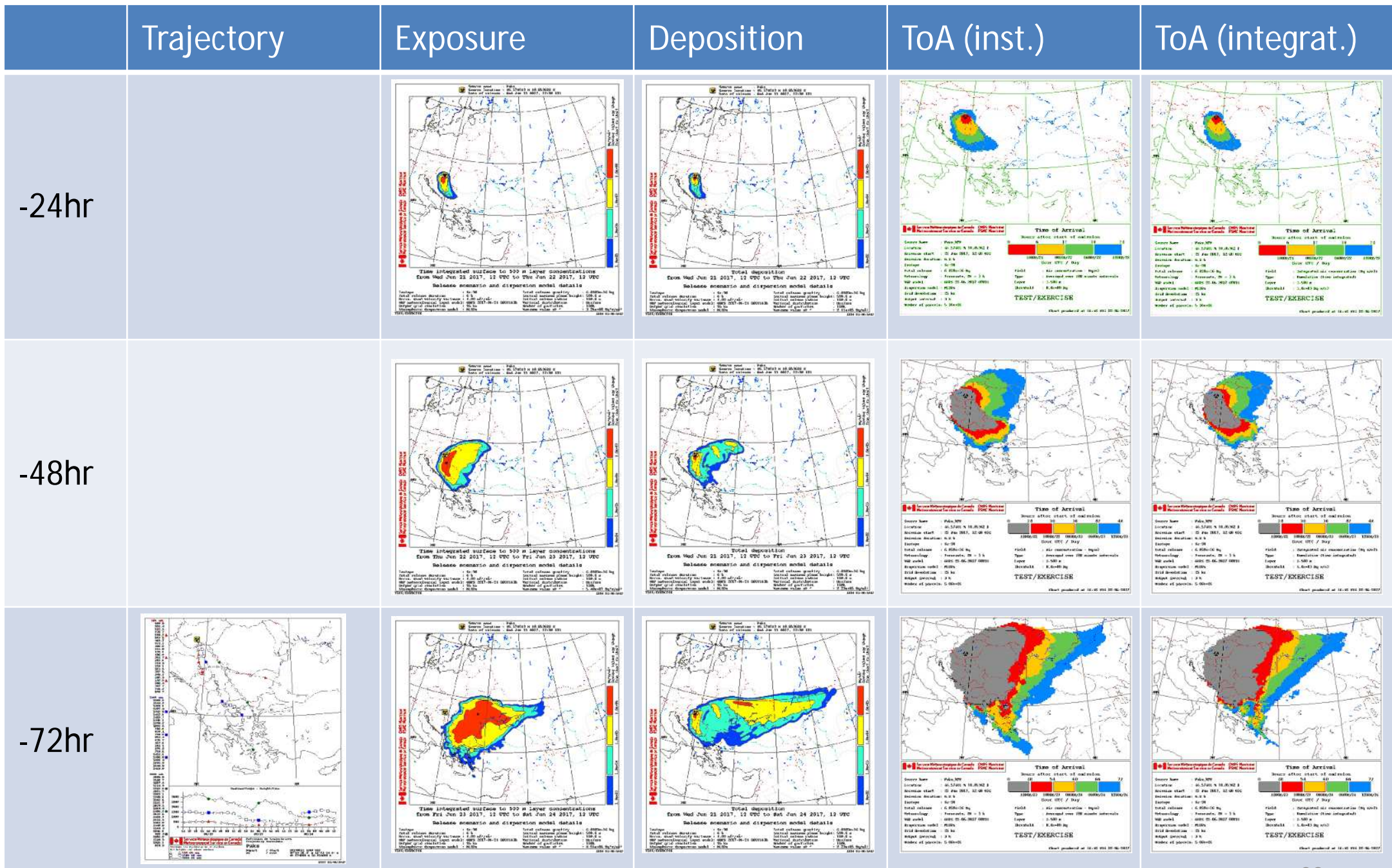
1 Bq of Cs-137 released during 06UTC 21 – 12UTC 21 by Montreal



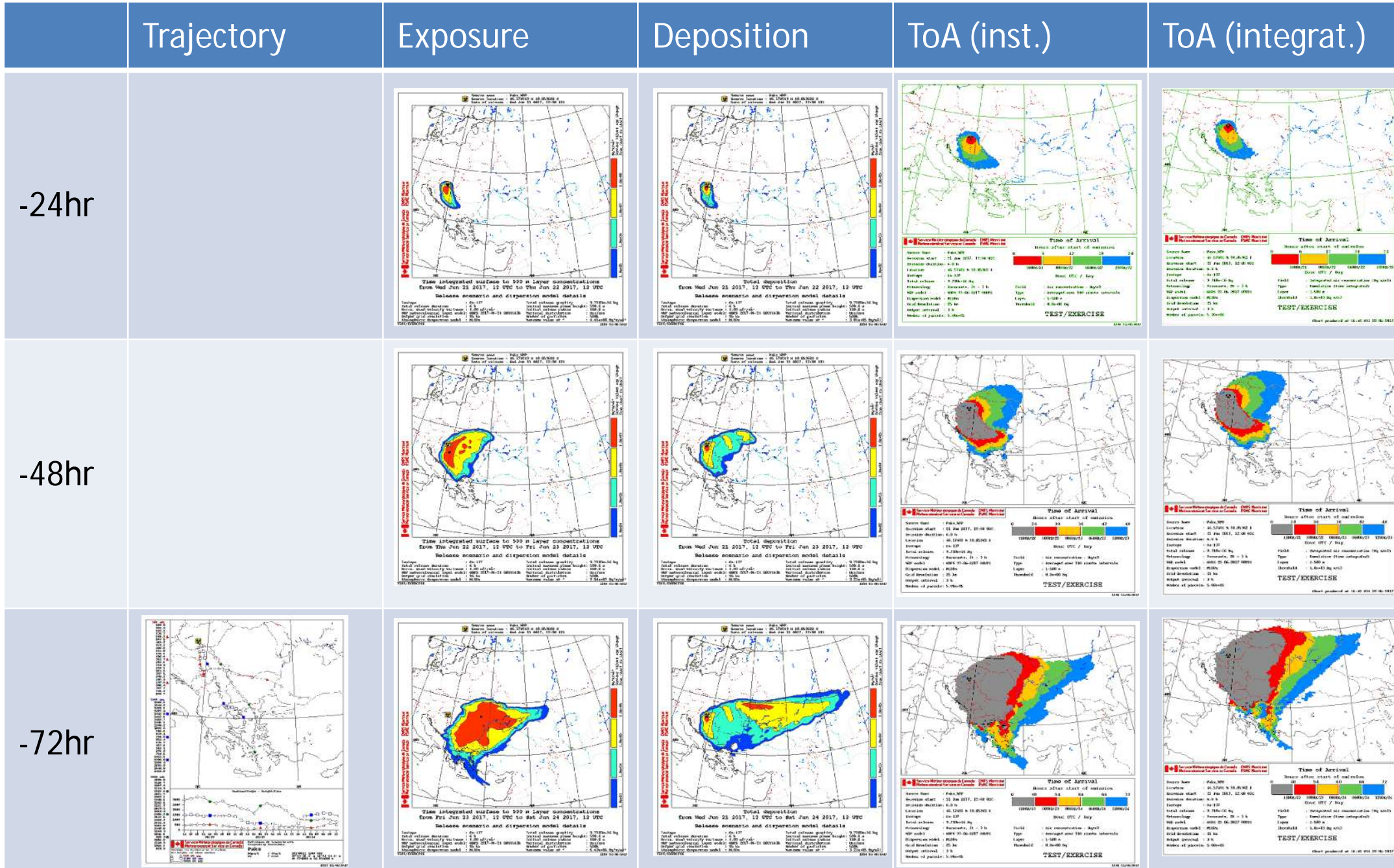
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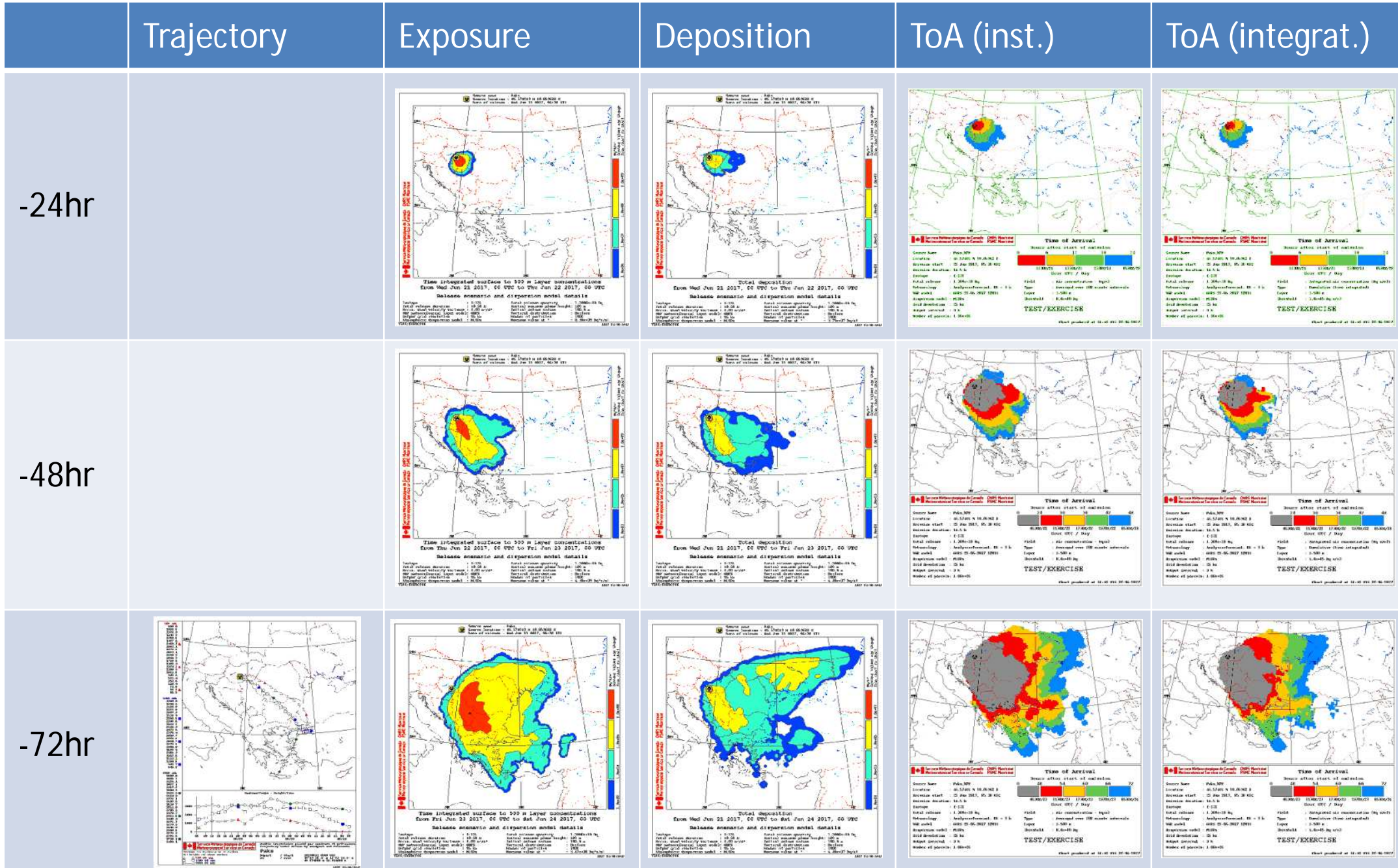
6.82 E+16 Bq of Sr-90 released during 12UTC 21 – 18UTC 21 by Montreal



9.71 E+16 Bq of Cs-137 released during 12UTC 21 – 18UTC 21 by Montreal



1.38 E+18 Bq of I-131 released during 05:30 UTC 21 – 00:00UTC 22 by Montcal



ToA test charts

presented by Dr. Dmitriy Kamaev (RSMC Obninsk)

1 Bq of Cs-137 released during 06UTC 21 – 12UTC 21 by Obninsk

| | Trajectory | Exposure | Deposition | ToA (inst.) | ToA (integrat.) |
|-------|------------|----------|------------|-------------|-----------------|
| -24hr | | | | | |
| -48hr | | | | | |
| -72hr | | | | | |

1.38 E+18 Bq of I-131 released during 12UTC 21 – 18UTC 21 by Obninsk

| | Trajectory | Exposure | Deposition | ToA (inst.) | ToA (integrat.) |
|-------|---|---|---|---|-----------------|
| -24hr | | <p>RSMC Obninsk, Russia Time integrated surface to 500 m layer concentration From 21 Jun 2017, 12:00 to 22 Jun 2017, 12:00 UTC</p> <p>Chart 1</p> | <p>RSMC Obninsk, Russia Total Deposition From 21 Jun 2017, 12:00 to 22 Jun 2017, 12:00 UTC</p> <p>Chart 2</p> | <p>RSMC Obninsk, Russia Plume arrival time (h) From 21 Jun 2017, 12:00 to 22 Jun 2017, 12:00 UTC</p> <p>Chart 3</p> | |
| -48hr | | <p>RSMC Obninsk, Russia Time integrated surface to 500 m layer concentration From 22 Jun 2017, 12:00 to 23 Jun 2017, 12:00 UTC</p> <p>Chart 1</p> | <p>RSMC Obninsk, Russia Total Deposition From 22 Jun 2017, 12:00 to 23 Jun 2017, 12:00 UTC</p> <p>Chart 2</p> | <p>RSMC Obninsk, Russia Plume arrival time (h) From 22 Jun 2017, 12:00 to 23 Jun 2017, 12:00 UTC</p> <p>Chart 3</p> | |
| -72hr | <p>RSMC Obninsk, Russia Forward trajectories From 23 Jun 2017, 12:00 to 24 Jun 2017, 12:00 UTC</p> <p>Chart 1</p> | <p>RSMC Obninsk, Russia Time integrated surface to 500 m layer concentration From 23 Jun 2017, 12:00 to 24 Jun 2017, 12:00 UTC</p> <p>Chart 1</p> | <p>RSMC Obninsk, Russia Total Deposition From 23 Jun 2017, 12:00 to 24 Jun 2017, 12:00 UTC</p> <p>Chart 2</p> | <p>RSMC Obninsk, Russia Plume arrival time (h) From 23 Jun 2017, 12:00 to 24 Jun 2017, 12:00 UTC</p> <p>Chart 3</p> | |

6.82 E+16 Bq of Sr-90 released during 12UTC 21 – 18UTC 21 by Obninsk

| | Trajectory | Exposure | Deposition | ToA (inst.) | ToA (integrat.) |
|-------|------------|----------|------------|-------------|-----------------|
| -24hr | | | | | |
| -48hr | | | | | |
| -72hr | | | | | |

9.71 E+16 Bq of Cs-137 released during 12UTC 21 – 18UTC 21 by Obninsk

| | Trajectory | Exposure | Deposition | ToA (inst.) | ToA (integrat.) |
|-------|------------|----------|------------|-------------|-----------------|
| -24hr | | | | | |
| -48hr | | | | | |
| -72hr | | | | | |

1.38 E+18 Bq of I-131 released during 05:30 UTC 21 – 00:00UTC 22 by Obninsk

| | Trajectory | Exposure | Deposition | ToA (inst.) | ToA (integrat.) |
|-------|------------|----------|------------|-------------|-----------------|
| -24hr | | | | | |
| -48hr | | | | | |
| -72hr | | | | | |

ToA test charts

presented by Mr. Masami Sakamoto (RSMC Tokyo)

1 Bq of Cs-137 released during 06UTC 21 – 12UTC 21 by Tokyo

| | Trajectory | Exposure | Deposition | ToA (inst.) | ToA (integrat.) |
|-------|------------|----------|------------|-------------|-----------------|
| -24hr | | | | | |
| -48hr | | | | | |
| -72hr | | | | | |

1.38 E+18 Bq of I-131 released during 12UTC 21 – 18UTC 21 by Tokyo

| | Trajectory | Exposure | Deposition | ToA (inst.) | ToA (integrat.) |
|-------|--|--|--|--|--|
| -24hr | | <p>EXERCISE-EXERCISE-EXERCISE TIME INTEGRATED SURFACE - 500m LAYER CONCENTRATION RELEASED FROM 1200 21 JUN 2011 TO: 1800 21 JUN 2011</p> | <p>EXERCISE-EXERCISE-EXERCISE TOTAL (WET AND DRY) DEPOSITION RELEASED FROM 1200 21 JUN 2011 TO: 1800 21 JUN 2011</p> | <p>EXERCISE-EXERCISE-EXERCISE TIME OF ARRIVAL FOR INSTANTANEOUS CONCENTRATION FROM 1200 21 JUN 2011 TO: 1800 21 JUN 2011</p> | <p>EXERCISE-EXERCISE-EXERCISE TIME OF ARRIVAL FOR TIME INTEGRATED CONCENTRATION FROM 1200 21 JUN 2011 TO: 1800 21 JUN 2011</p> |
| -48hr | | <p>EXERCISE-EXERCISE-EXERCISE TIME INTEGRATED SURFACE - 500m LAYER CONCENTRATION RELEASED FROM 1200 21 JUN 2011 TO: 1800 21 JUN 2011</p> | <p>EXERCISE-EXERCISE-EXERCISE TOTAL (WET AND DRY) DEPOSITION RELEASED FROM 1200 21 JUN 2011 TO: 1800 21 JUN 2011</p> | <p>EXERCISE-EXERCISE-EXERCISE TIME OF ARRIVAL FOR INSTANTANEOUS CONCENTRATION FROM 1200 21 JUN 2011 TO: 1800 21 JUN 2011</p> | <p>EXERCISE-EXERCISE-EXERCISE TIME OF ARRIVAL FOR TIME INTEGRATED CONCENTRATION FROM 1200 21 JUN 2011 TO: 1800 21 JUN 2011</p> |
| -72hr | <p>EXERCISE-EXERCISE-EXERCISE 3-D TRAJECTORY FROM 1200 21 JUN 2011 TO 0600 22 JUN 2011</p> | <p>EXERCISE-EXERCISE-EXERCISE TIME INTEGRATED SURFACE - 500m LAYER CONCENTRATION RELEASED FROM 1200 21 JUN 2011 TO: 1800 21 JUN 2011</p> | <p>EXERCISE-EXERCISE-EXERCISE TOTAL (WET AND DRY) DEPOSITION RELEASED FROM 1200 21 JUN 2011 TO: 1800 21 JUN 2011</p> | <p>EXERCISE-EXERCISE-EXERCISE TIME OF ARRIVAL FOR INSTANTANEOUS CONCENTRATION FROM 1200 21 JUN 2011 TO: 1800 21 JUN 2011</p> | <p>EXERCISE-EXERCISE-EXERCISE TIME OF ARRIVAL FOR TIME INTEGRATED CONCENTRATION FROM 1200 21 JUN 2011 TO: 1800 21 JUN 2011</p> |

9.71 E+16 Bq of Cs-137 released during 12UTC 21 – 18UTC 21 by Tokyo

| | Trajectory | Exposure | Deposition | ToA (inst.) | ToA (integrat.) |
|-------|------------|----------|------------|-------------|-----------------|
| -24hr | | | | | |
| -48hr | | | | | |
| -72hr | | | | | |

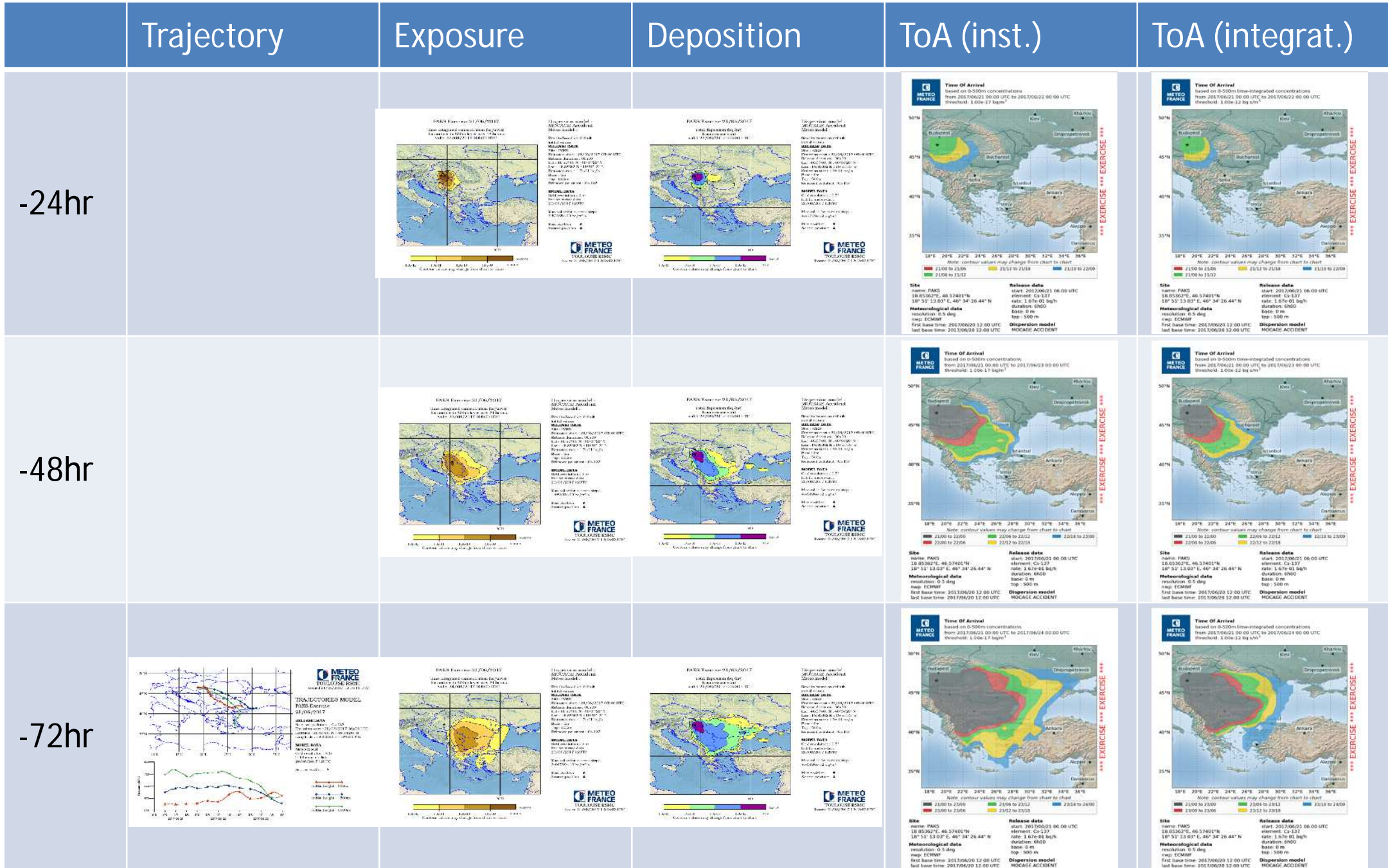
1.38 E+18 Bq of I-131 released during 05:30 UTC 21 – 00:00UTC 22 by Tokyo

| | Trajectory | Exposure | Deposition | ToA (inst.) | ToA (integrat.) |
|-------|------------|----------|------------|-------------|-----------------|
| -24hr | | | | | |
| -48hr | | | | | |
| -72hr | | | | | |

ToA test charts

presented by Mr. Jean Nicolau and Mr. Mathieu Deslandes
(RSMC Toulouse)

1 Bq of Cs-137 released during 06UTC 21 – 12UTC 21 by Toulouse



1.38 E+18 Bq of I-131 released during 12UTC 21 – 18UTC 21 by Toulouse

| | Trajectory | Exposure | Deposition | ToA (inst.) | ToA (integrat.) |
|-------|------------|----------|------------|-------------|-----------------|
| -24hr | | | | | |
| -48hr | | | | | |
| -72hr | | | | | |

6.82 E+16 Bq of Sr-90 released during 12UTC 21 – 18UTC 21 by Toulouse

| | Trajectory | Exposure | Deposition | ToA (inst.) | ToA (integrat.) |
|-------|---|---|---|--|--|
| -24hr | | <p>ERAN Run on 21/06/2010 Time-integrated concentrations (Bq/m²) for a release of 6.82E+16 Bq of Sr-90 during 12:00 UTC to 18:00 UTC on 21/06/2010.</p> | <p>ERAN Run on 21/06/2010 Cloud deposition (Bq/m²) for a release of 6.82E+16 Bq of Sr-90 during 12:00 UTC to 18:00 UTC on 21/06/2010.</p> | <p>Time Of Arrival based on 0-500m concentrations from 20170621 12:00 UTC to 20170622 12:00 UTC threshold: 1.00E+05 Bq/m³</p> | <p>Time Of Arrival based on 0-500m time-integrated concentrations from 20170621 12:00 UTC to 20170622 12:00 UTC threshold: 1.00E+05 Bq/m³</p> |
| -48hr | | <p>ERAN Run on 21/06/2010 Time-integrated concentrations (Bq/m²) for a release of 6.82E+16 Bq of Sr-90 during 12:00 UTC to 18:00 UTC on 21/06/2010.</p> | <p>ERAN Run on 21/06/2010 Cloud deposition (Bq/m²) for a release of 6.82E+16 Bq of Sr-90 during 12:00 UTC to 18:00 UTC on 21/06/2010.</p> | <p>Time Of Arrival based on 0-500m concentrations from 20170621 12:00 UTC to 20170623 12:00 UTC threshold: 1.00E+05 Bq/m³</p> | <p>Time Of Arrival based on 0-500m time-integrated concentrations from 20170621 12:00 UTC to 20170623 12:00 UTC threshold: 1.00E+05 Bq/m³</p> |
| -72hr | <p>TRAJECTORY ERAN Run on 21/06/2010 Time-integrated concentrations (Bq/m²) for a release of 6.82E+16 Bq of Sr-90 during 12:00 UTC to 18:00 UTC on 21/06/2010.</p> | <p>ERAN Run on 21/06/2010 Time-integrated concentrations (Bq/m²) for a release of 6.82E+16 Bq of Sr-90 during 12:00 UTC to 18:00 UTC on 21/06/2010.</p> | <p>ERAN Run on 21/06/2010 Cloud deposition (Bq/m²) for a release of 6.82E+16 Bq of Sr-90 during 12:00 UTC to 18:00 UTC on 21/06/2010.</p> | <p>Time Of Arrival based on 0-500m concentrations from 20170621 12:00 UTC to 20170624 12:00 UTC threshold: 1.00E+05 Bq/m³</p> | <p>Time Of Arrival based on 0-500m time-integrated concentrations from 20170621 12:00 UTC to 20170624 12:00 UTC threshold: 1.00E+05 Bq/m³</p> |

9.71 E+16 Bq of Cs-137 released during 12UTC 21 – 18UTC 21 by Toulouse

| | Trajectory | Exposure | Deposition | ToA (inst.) | ToA (integrat.) |
|-------|---|---|--|---|---|
| -24hr | | <p>Exposure map showing dose rate contours (Sv/h) over the region of interest. METEO FRANCE logo and technical details are present.</p> | <p>Deposition map showing deposition rate contours (Bq/m²) over the region of interest. METEO FRANCE logo and technical details are present.</p> | <p>Time of Arrival (inst.) map showing concentration contours (Bq/m³) over the region of interest. METEO FRANCE logo and technical details are present.</p> | <p>Time of Arrival (integrat.) map showing time-integrated concentration contours (Bq·h/m³) over the region of interest. METEO FRANCE logo and technical details are present.</p> |
| -48hr | | <p>Exposure map showing dose rate contours (Sv/h) over the region of interest. METEO FRANCE logo and technical details are present.</p> | <p>Deposition map showing deposition rate contours (Bq/m²) over the region of interest. METEO FRANCE logo and technical details are present.</p> | <p>Time of Arrival (inst.) map showing concentration contours (Bq/m³) over the region of interest. METEO FRANCE logo and technical details are present.</p> | <p>Time of Arrival (integrat.) map showing time-integrated concentration contours (Bq·h/m³) over the region of interest. METEO FRANCE logo and technical details are present.</p> |
| -72hr | <p>Trajectory map showing the path of the release over time. METEO FRANCE logo and technical details are present.</p> | <p>Exposure map showing dose rate contours (Sv/h) over the region of interest. METEO FRANCE logo and technical details are present.</p> | <p>Deposition map showing deposition rate contours (Bq/m²) over the region of interest. METEO FRANCE logo and technical details are present.</p> | <p>Time of Arrival (inst.) map showing concentration contours (Bq/m³) over the region of interest. METEO FRANCE logo and technical details are present.</p> | <p>Time of Arrival (integrat.) map showing time-integrated concentration contours (Bq·h/m³) over the region of interest. METEO FRANCE logo and technical details are present.</p> |

1.38 E+18 Bq of I-131 released during 05:30 UTC 21 – 00:00UTC 22 by Toulouse

| | Trajectory | Exposure | Deposition | ToA (inst.) | ToA (integrat.) |
|-------|------------|----------|------------|-------------|-----------------|
| -24hr | | | | | |
| -48hr | | | | | |
| -72hr | | | | | |

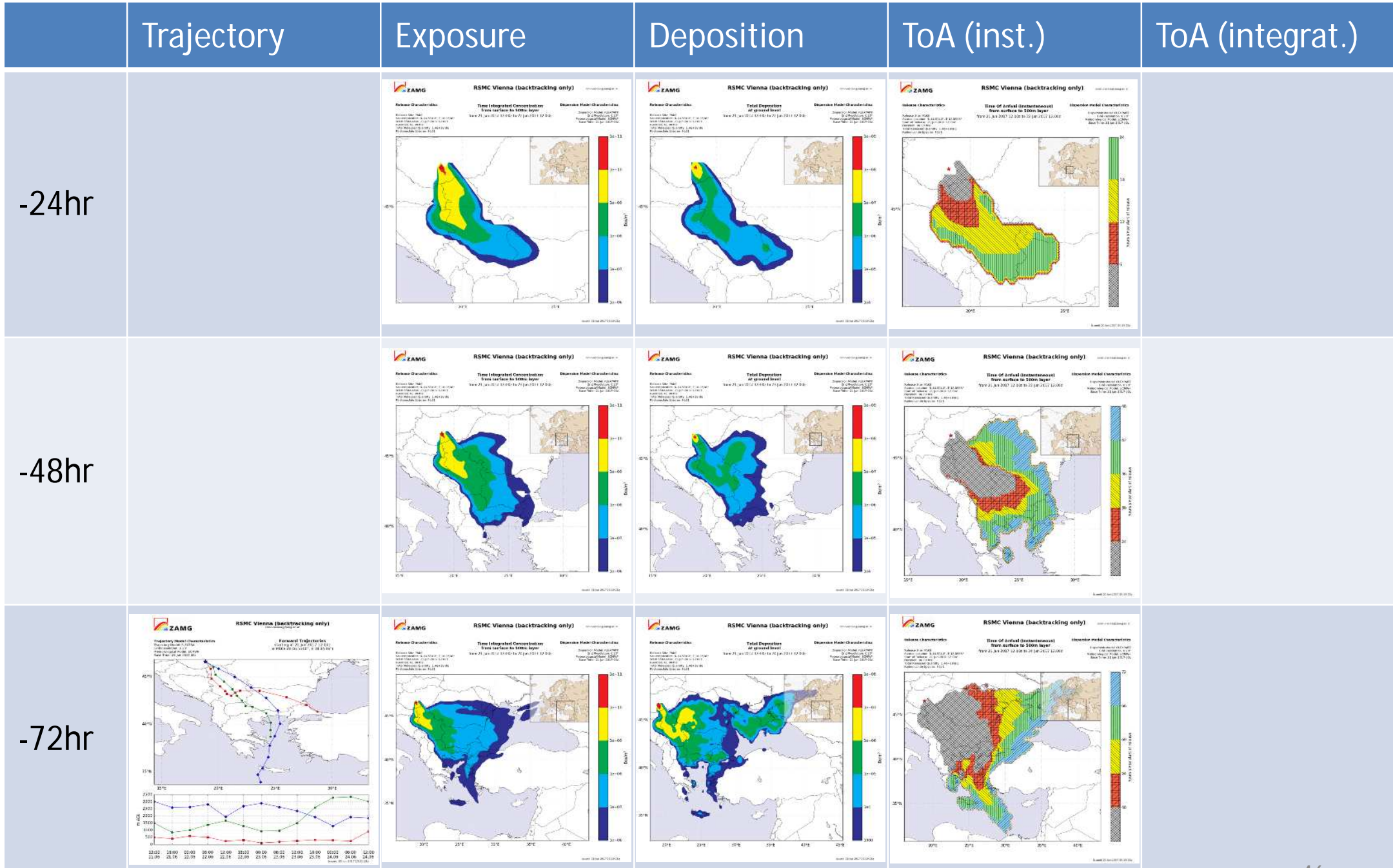
ToA test charts

presented by Dr. Gerhard Wotawa (RSMC Vienna)

1 Bq of Cs-137 released during 06UTC 21 – 12UTC 21 by Vienna

| | Trajectory | Exposure | Deposition | ToA (inst.) | ToA (integrat.) |
|-------|------------|----------|------------|-------------|-----------------|
| -24hr | | | | | |
| -48hr | | | | | |
| -72hr | | | | | |

1.38 E+18 Bq of I-131 released during 12UTC 21 – 18UTC 21 by Vienna



6.82 E+16 Bq of Sr-90 released during 12UTC 21 – 18UTC 21 by Vienna

| | Trajectory | Exposure | Deposition | ToA (inst.) | ToA (integrat.) |
|-------|------------|----------|------------|-------------|-----------------|
| -24hr | | | | | |
| -48hr | | | | | |
| -72hr | | | | | |

9.71 E+16 Bq of Cs-137 released during 12UTC 21 – 18UTC 21 by Vienna

| | Trajectory | Exposure | Deposition | ToA (inst.) | ToA (integrat.) |
|-------|------------|----------|------------|-------------|-----------------|
| -24hr | | | | | |
| -48hr | | | | | |
| -72hr | | | | | |

1.38 E+18 Bq of I-131 released during 05:30 UTC 21 – 00:00UTC 22 by Vienna

| | Trajectory | Exposure | Deposition | ToA (inst.) | ToA (integrat.) |
|-------|------------|----------|------------|-------------|-----------------|
| -24hr | | | | | |
| -48hr | | | | | |
| -72hr | | | | | |