

Figure S1. Precipitation on 22 October 2015 at 9:30, based on (a) GPM estimated precipitation and (b) 30-minute forecast precipitation from STEPS precipitation nowcast.

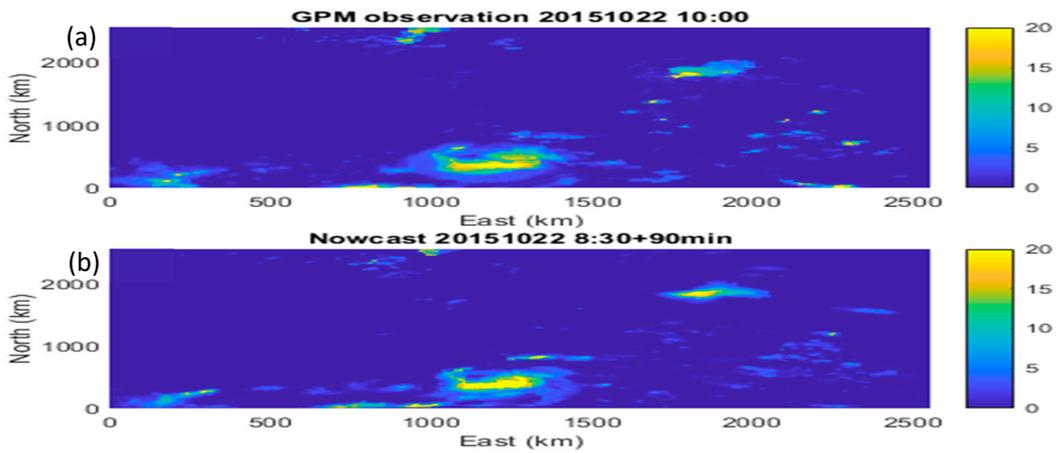


Figure S2. Precipitation on 22 October 2015 at 10:00, based on (a) GPM estimated precipitation and (b) 30-minute forecast precipitation from STEPS precipitation nowcast.

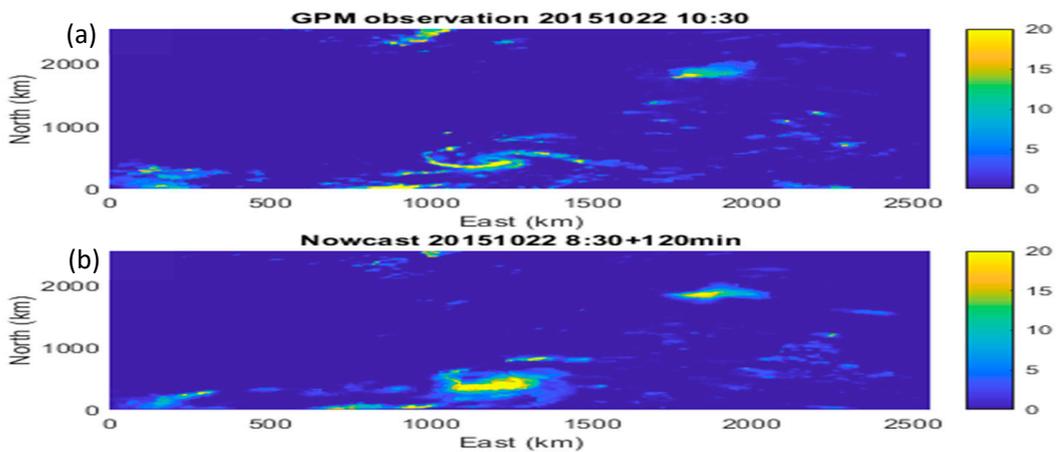


Figure S3. Precipitation on 22 October 2015 at 10:30, based on (a) GPM estimated precipitation and (b) 30-minute forecast precipitation from STEPS precipitation nowcast.

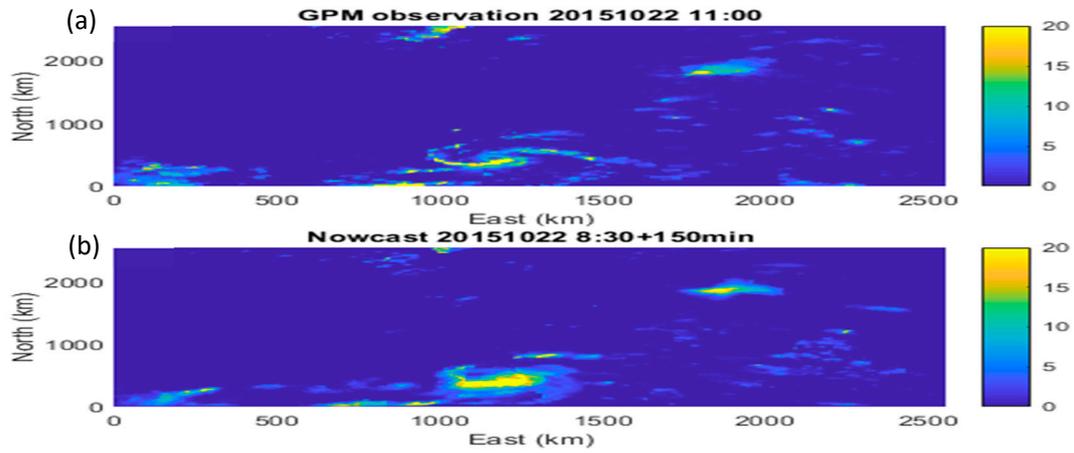


Figure S4. Precipitation on 22 October 2015 at 11:00, based on (a) GPM estimated precipitation and (b) 30-minute forecast precipitation from STEPS precipitation nowcast.

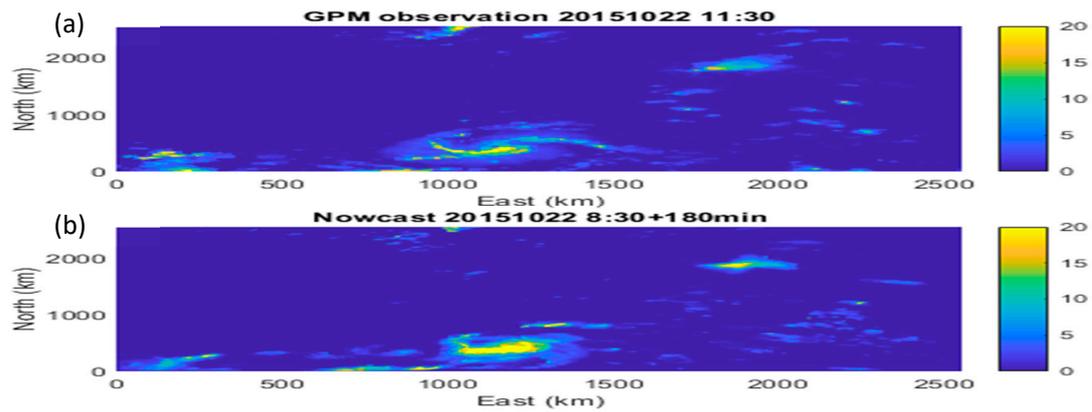


Figure S5. Precipitation on 22 October 2015 at 11:30, based on (a) GPM estimated precipitation and (b) 30-minute forecast precipitation from STEPS precipitation nowcast.

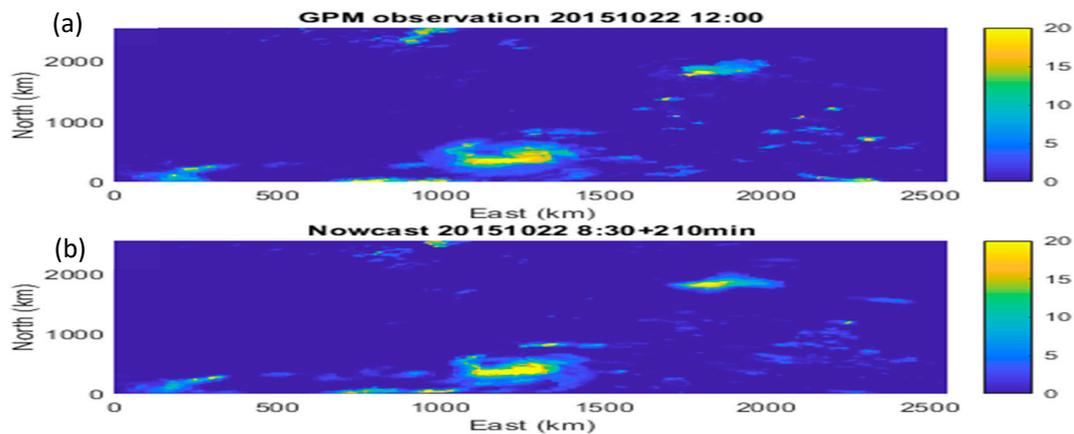


Figure S6. Precipitation on 22 October 2015 at 12:00, based on (a) GPM estimated precipitation and (b) 30-minute forecast precipitation from STEPS precipitation nowcast.

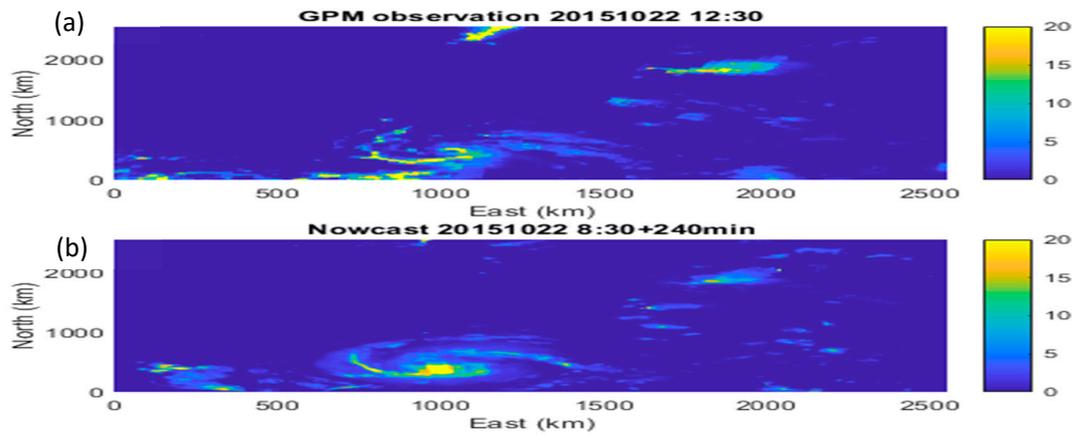


Figure S7. Precipitation on 22 October 2015 at 12:30, based on (a) GPM estimated precipitation and (b) 30-minute forecast precipitation from STEPS precipitation nowcast.

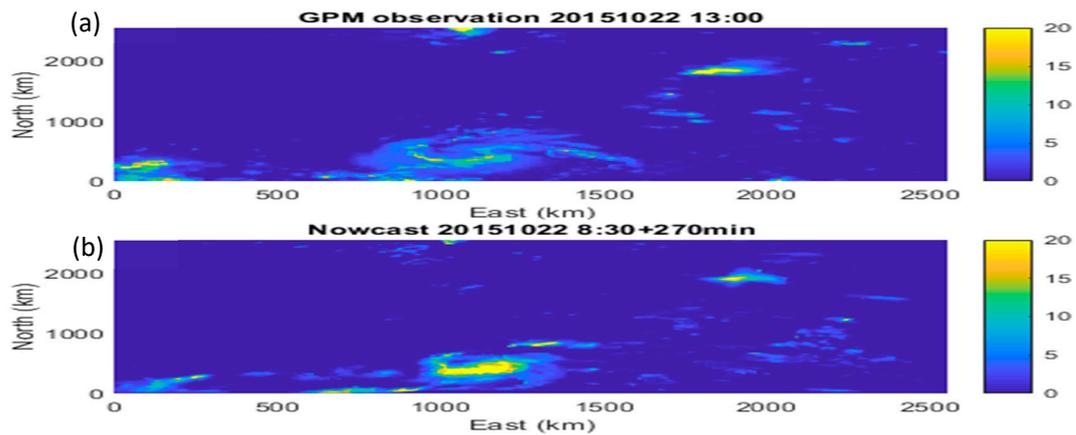


Figure S8. Precipitation on 22 October 2015 at 13:00, based on (a) GPM estimated precipitation and (b) 30-minute forecast precipitation from STEPS precipitation nowcast.

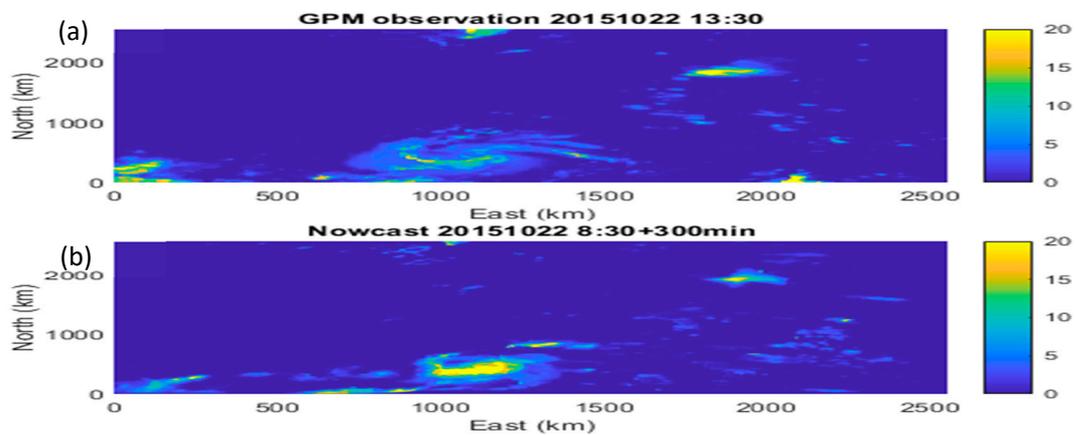


Figure S9. Precipitation on 22 October 2015 at 13:30, based on (a) GPM estimated precipitation and (b) 30-minute forecast precipitation from STEPS precipitation nowcast.

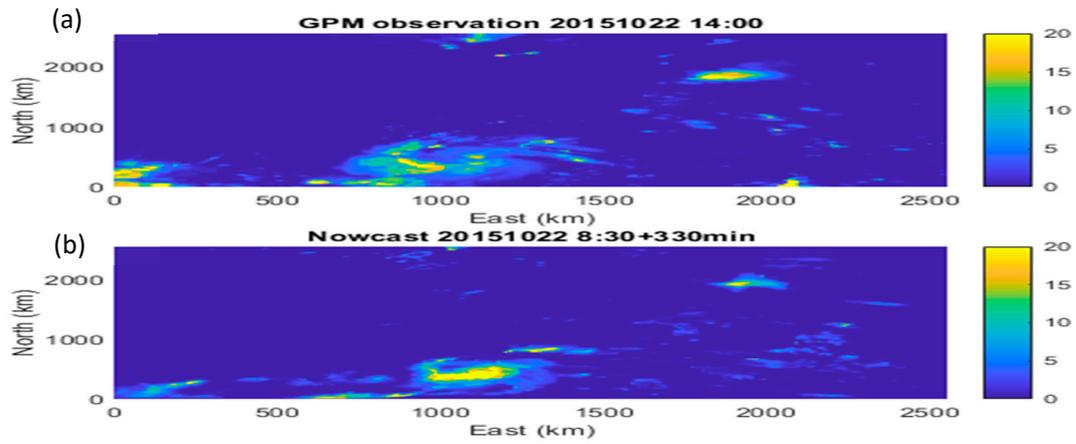


Figure S10. Precipitation on 22 October 2015 at 14:00, based on (a) GPM estimated precipitation and (b) 30-minute forecast precipitation from STEPS precipitation nowcast.

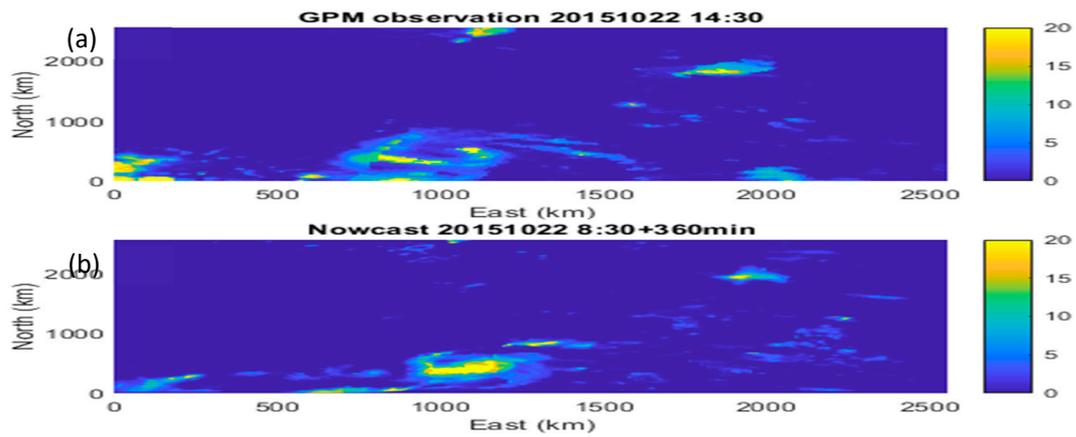


Figure S11. Precipitation on 22 October 2015 at 14:30, based on (a) GPM estimated precipitation and (b) 30-minute forecast precipitation from STEPS precipitation nowcast.