IPCC AR5 Synthesis Report (2015) Table 2.2 - 'carbon integrals' 2011 onwards, using both 'complex models' (RCP) & 'simple models'.

Integrals (weight totals) for Carbon budgets are taken from the Intergovernmental Panel on Climate Change's Fifth Assessment Report (AR5); see Synthesis Report, page 64, table 2.2 https://www.ipcc.ch/pdf/assessment-report/ar5/syr/SYR_AR5_FINAL_full_wcover.pdf

Cumulative CO ₂ emissions from 1870 in Gt CO ₂									
Net anthropogenic warming	<1.5° C			<2.0° C			<3.0° C		
Fractions of simulations meeting goal	66%	50%	33%	66%	50%	33%	66%	50%	33%
Complex models, RCP scenarios only	2250	2250	2250	2290	3000	3300	4200	4500	4850
Simple model WGIII scenarios.	no data	2300-2350	2400-2950	2550-3150	2900-3200	2950-3800	n.a.	4150-5750	5250-6000
Cumulative CO2 emissions from 2011 in Gt CO2									
Complex models, RCP scenarios only	400	550	850	1000	1300	1500	2400	2800	3250
Simple model WGIII scenarios.	no data	550-600	600-1150	750-1400	1150-1400	1150-2050	n.a.	2350-4000	3500-4250
Total fossil carbon available in 2011 3670 to 7100 Gt CO ₂ (reserves) and 31300 too 50050 Gt CO ₂ (resources)									

Using RCP data Future 'carbon path-integrals' (Plan B budgets) are from 2014 onwards & expressed in Gt Carbon only.

In the table, RCP budgets are in Gigatonnes of carbon dioxide (Gt CO₂) i.e. billions of tonnes. For Plan B, they're converted into 'carbon only' by dividing by the conversion factor of 3.664

Deducting for years 2011, 2012, 2013, the Plan B 'carbon only' budgets from 2014 are: -

Green Budget 117 Gt C (150 Gt C less 3* 11 Gt C)
Lower risk, 50% odds for 1.5° C
Amber Budget 199 Gt C (232 Gt C less 3* 11 Gt C)
Medium risk, 33% odds for 1.5°

Red Budget 240 Gt C (273 less3* 11 Gt C) High risk, 66% odds for 2.0° C

These 'integrals' are then plotted as 'path integrals', with very slight differences in weight between the carbon integrals only, in the table 2.2 on page 64 of the IPCC AR5 Synthesis Report published in 2015.

