

Chart 2

U.S. Electronic Equipment Order & Shipment Growth

Computer, Communications, Measurement & Control and Military

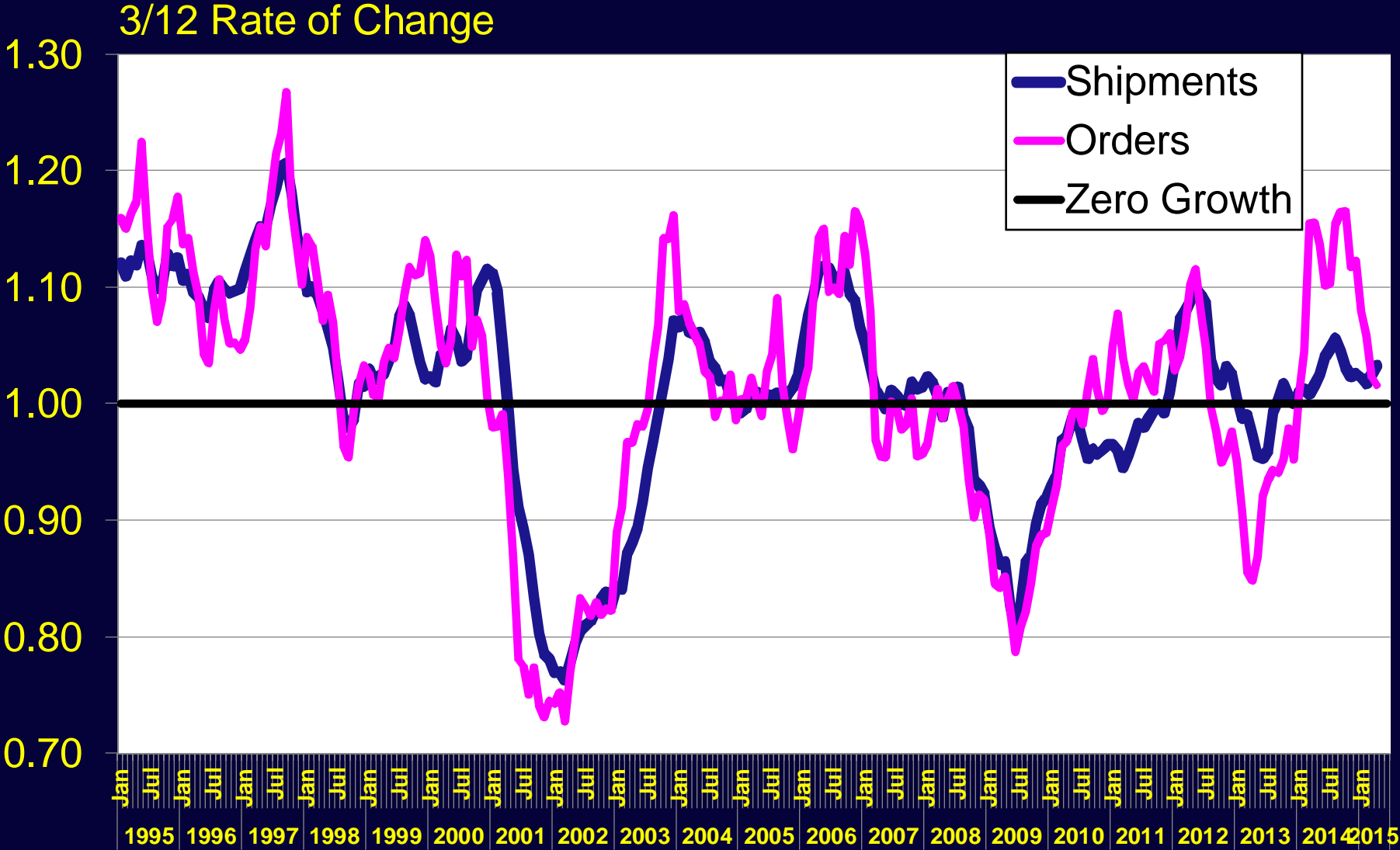
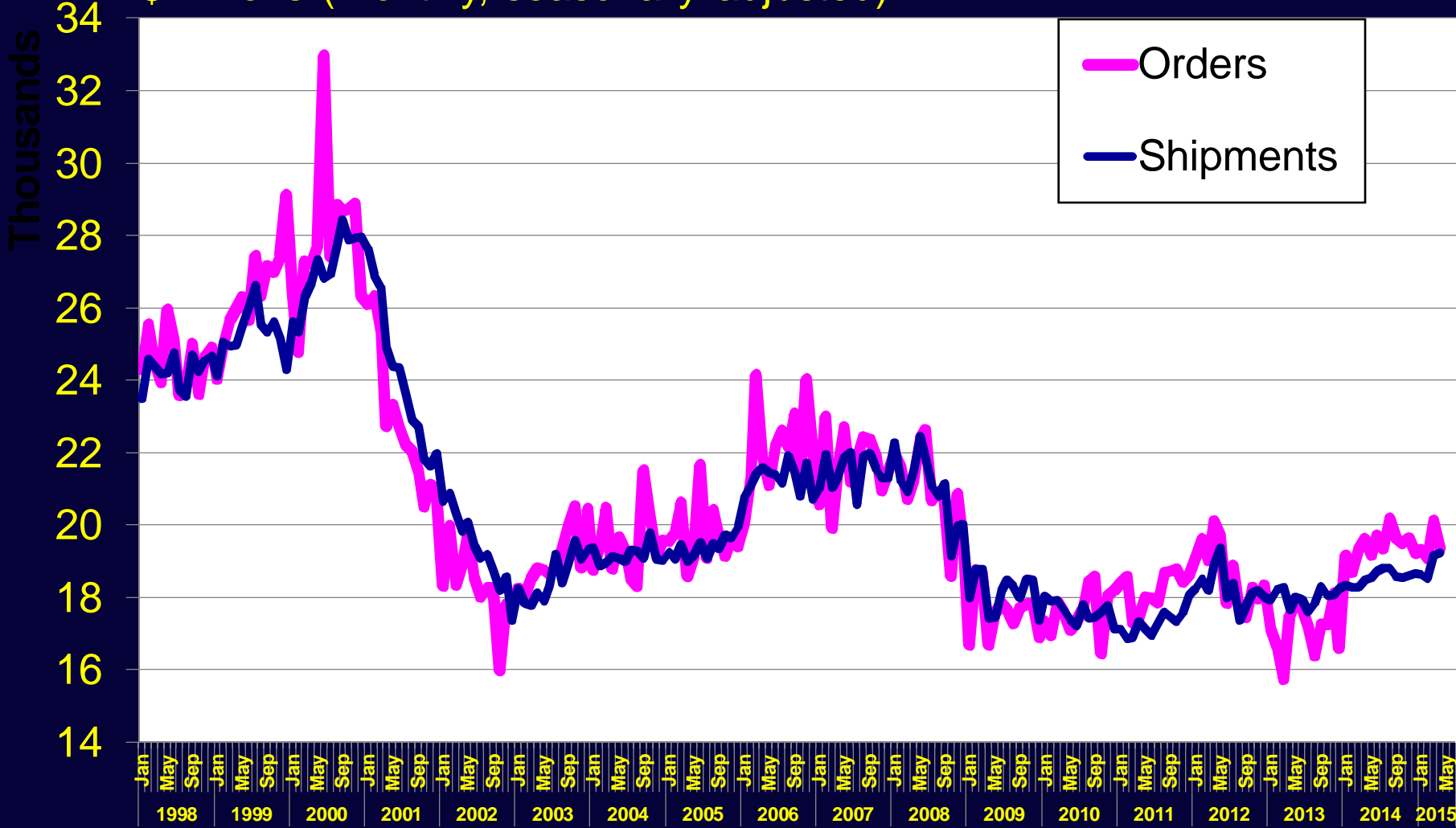


Chart 3

U.S. Electronic Equipment Orders & Shipments

Computer, Communications, Measurement & Control and Military

\$ Billions (monthly, seasonally adjusted)



U.S. Defense Capital Goods Orders & Shipments

\$ Billions (monthly, seasonally adjusted)

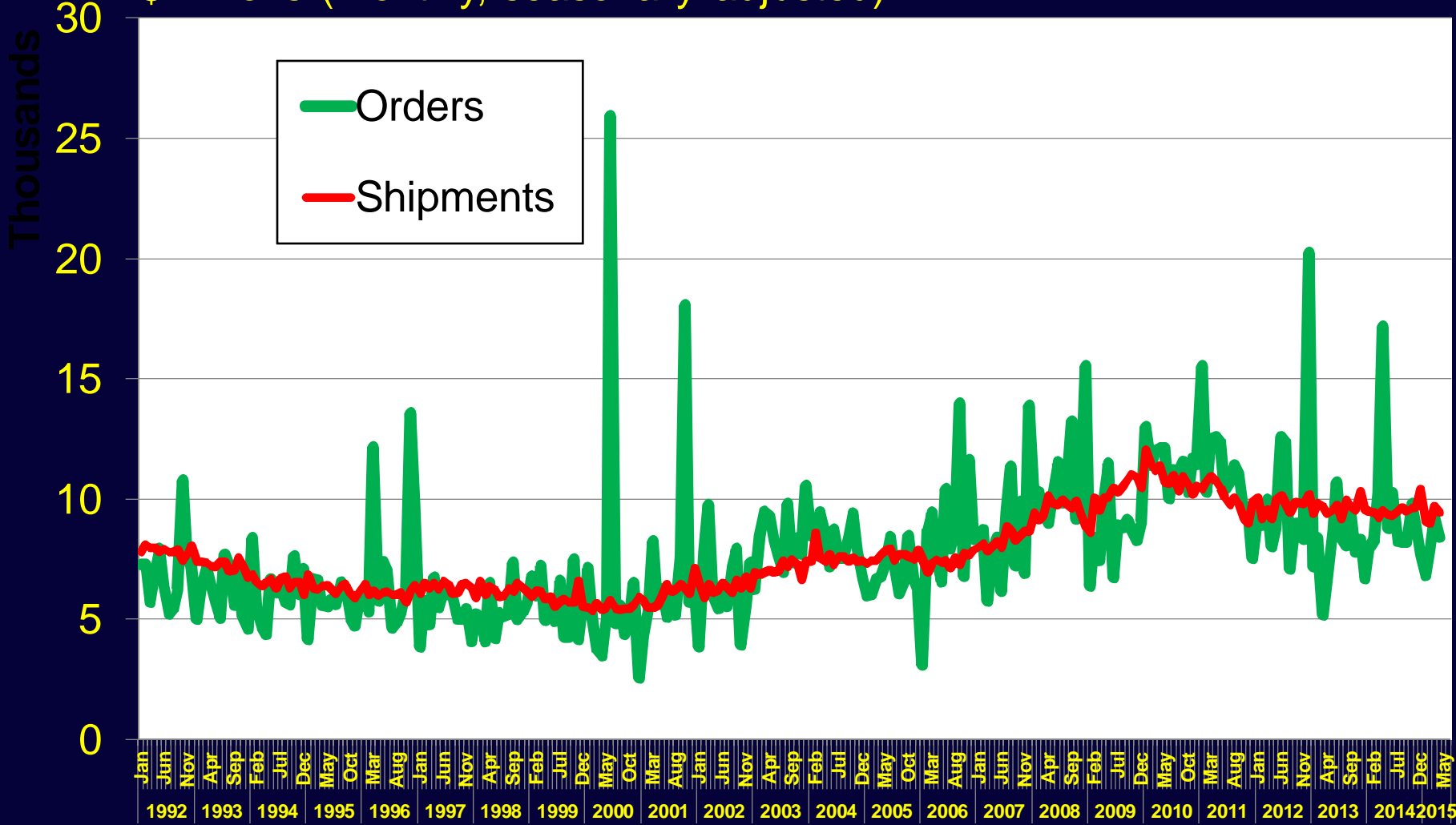


Chart 5

U.S. Aircraft & Parts Shipments

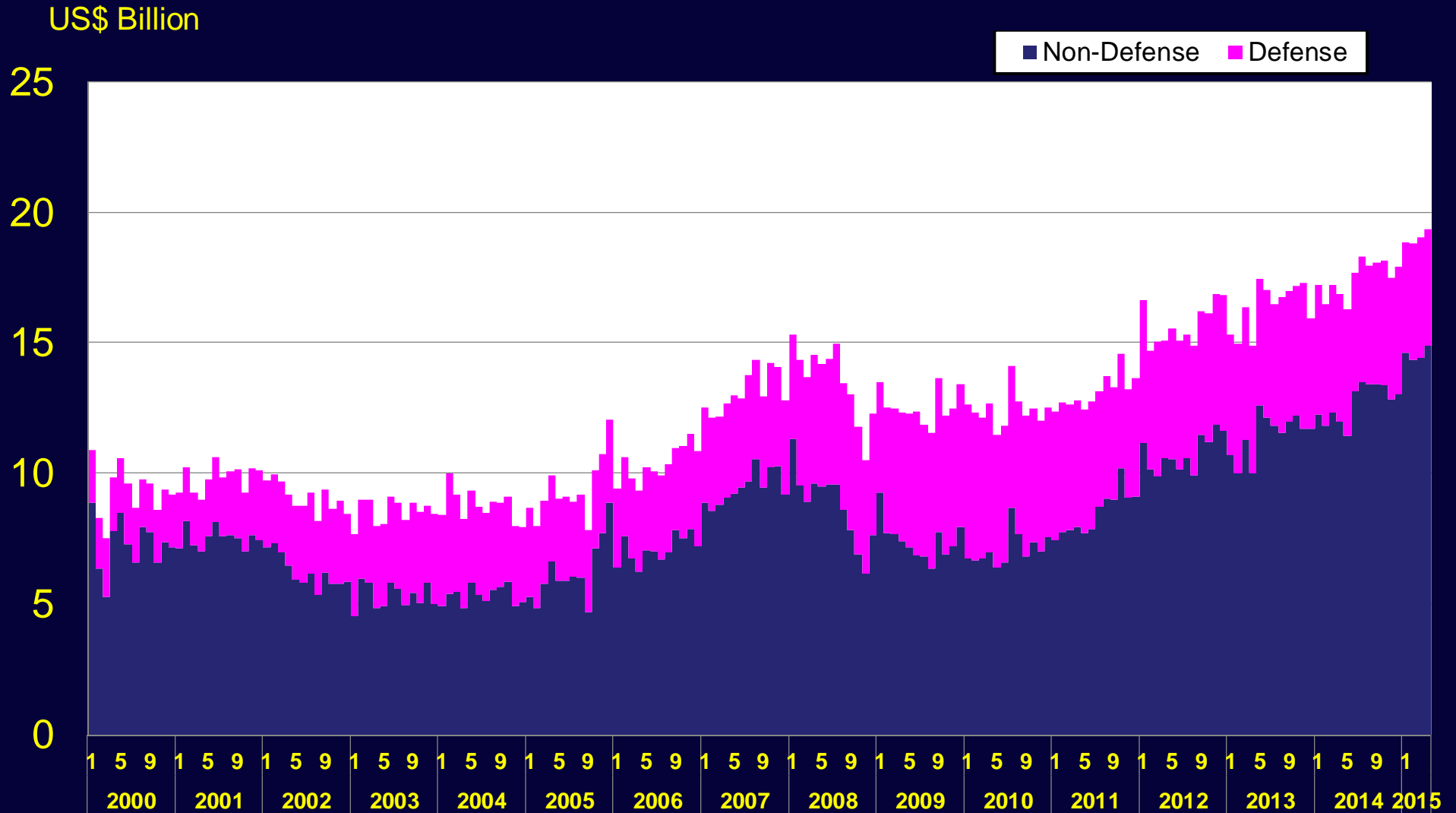


Chart 6

Euro vs. U.S. Dollar

US\$/Euro

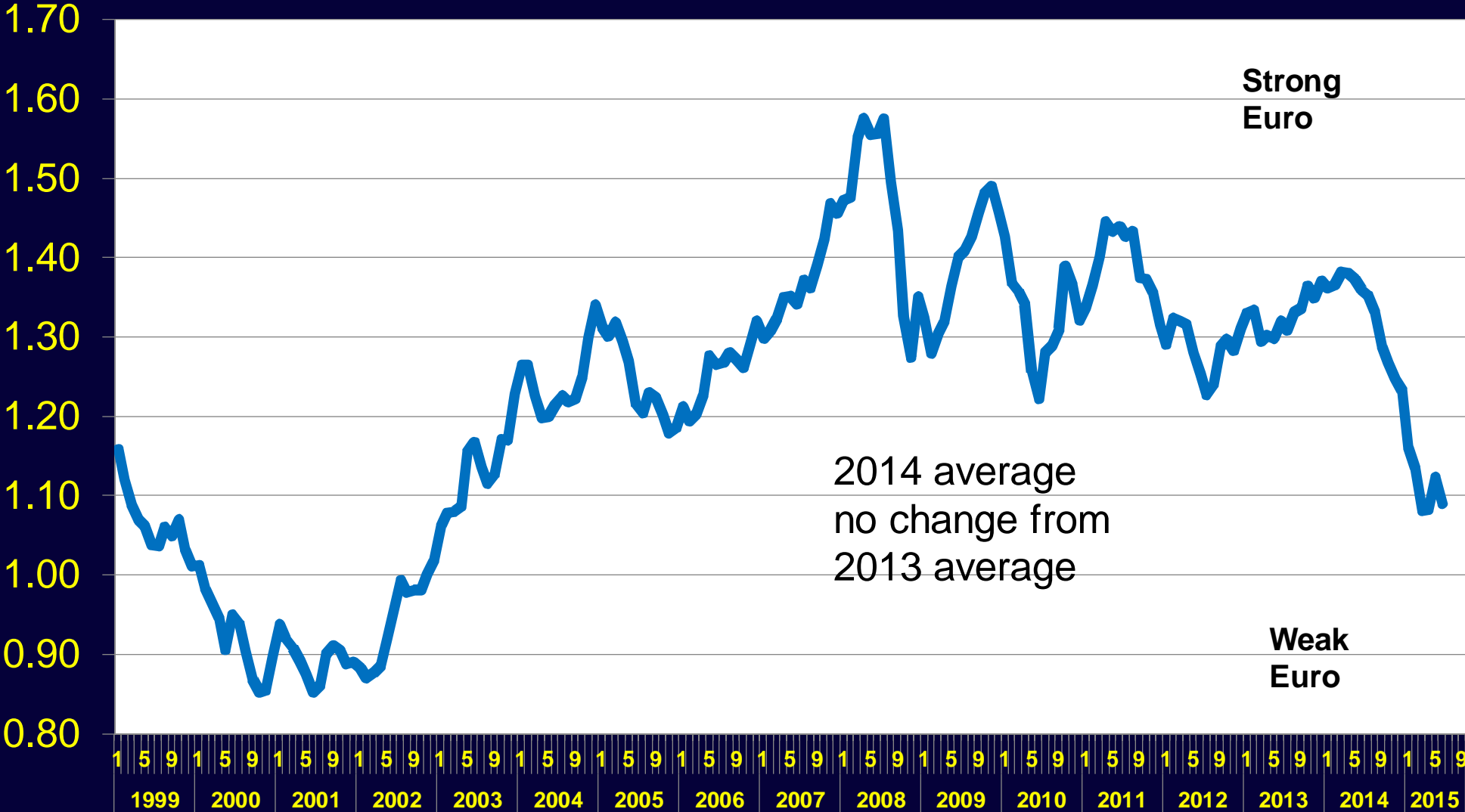


Chart 7

Canada \$ vs. U.S. \$

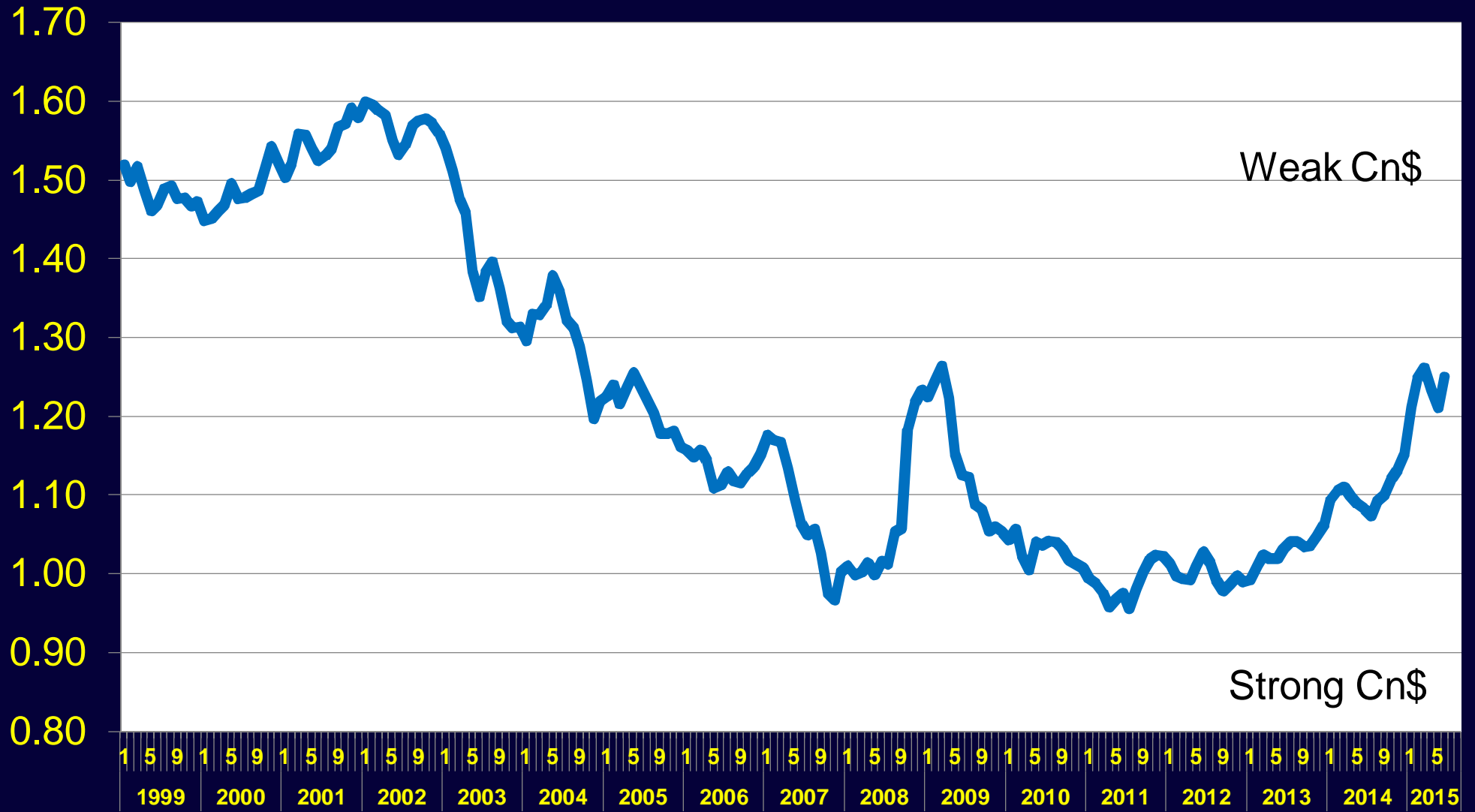


Chart 8

Japanese Yen vs. U.S. Dollar

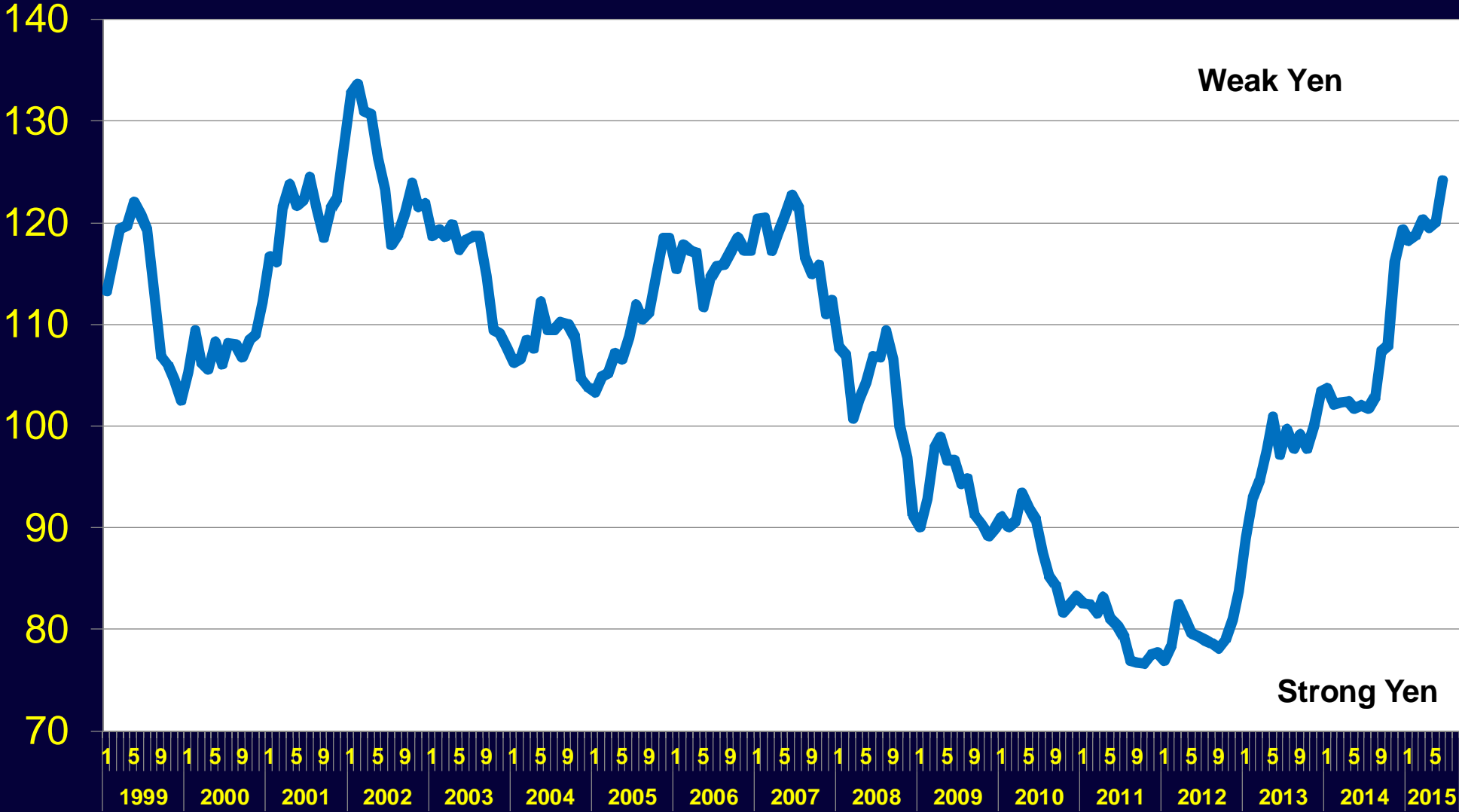
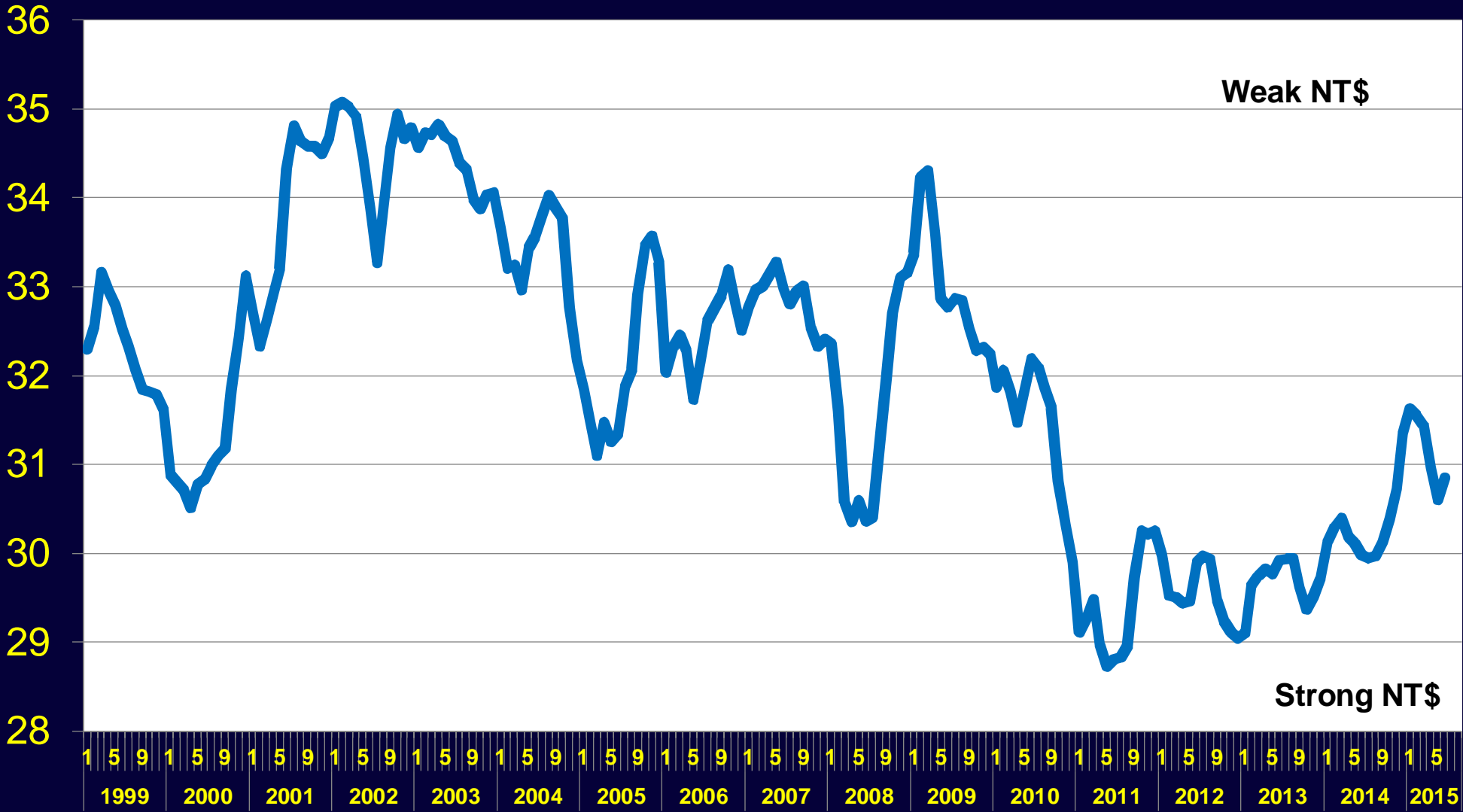


Chart 9

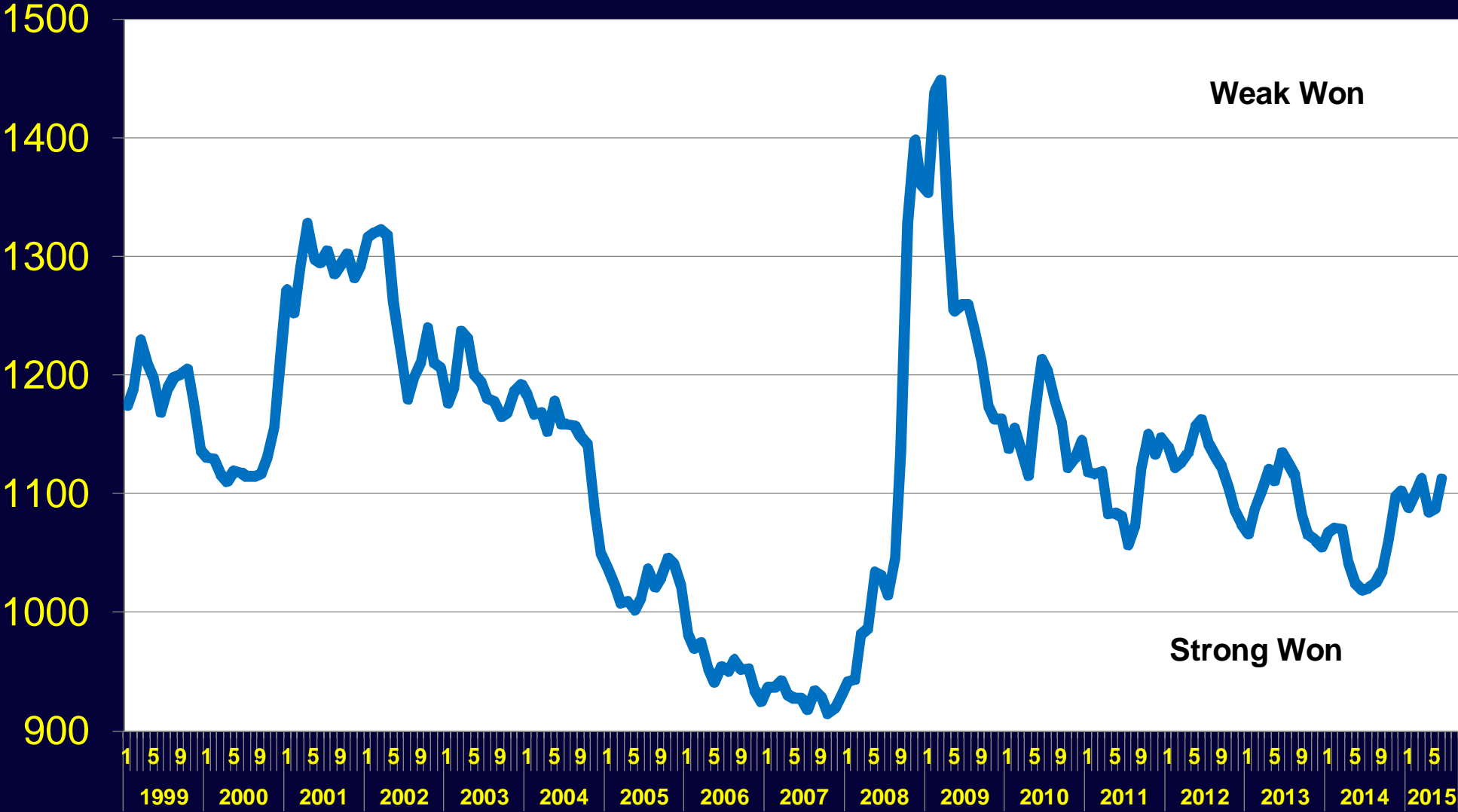
Taiwan vs. U.S. Dollar



<http://research.stlouisfed.org/fred2/series/TWEXBMTH>

Chart 10

S. Korean Won vs. U.S. Dollar



Weak Won

Strong Won

Chart 11

Copper, High Grade (HG, Comex)

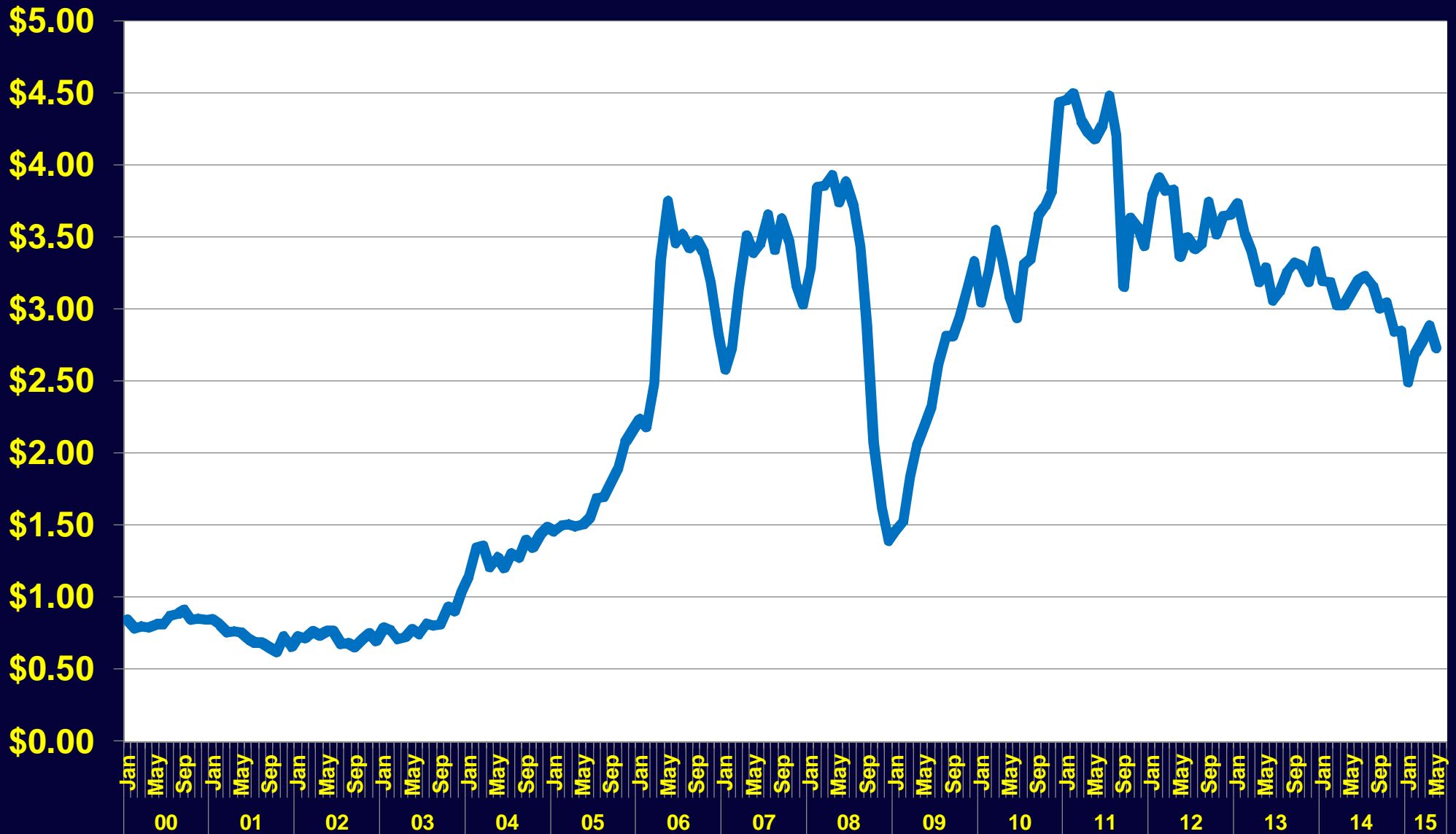


Chart 12

Tin

Price – US\$/Pound (monthly close)



Chart 13

Gold, 100 oz (GC, Comex)

Price – US\$/Troy ounce (monthly close)

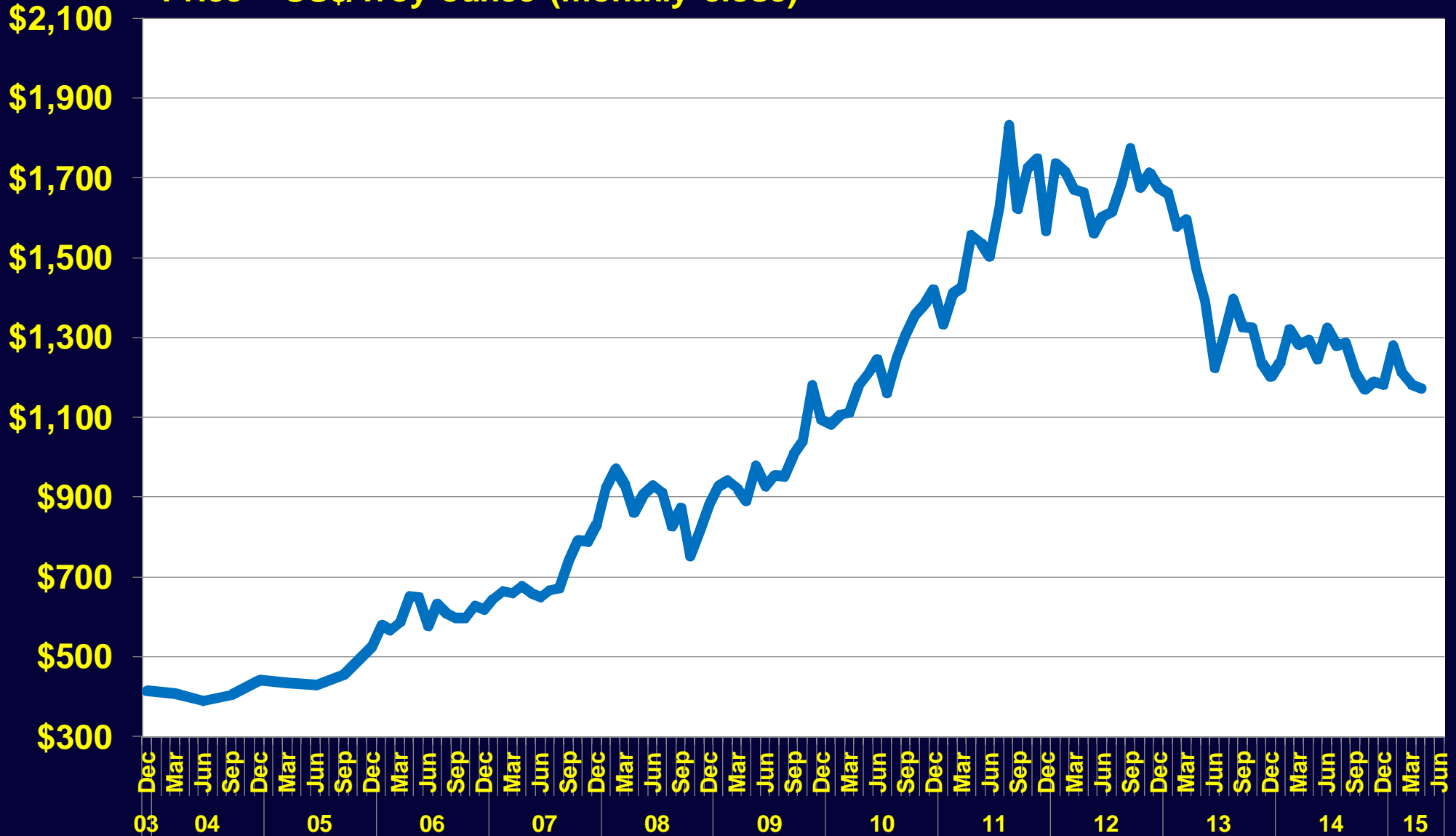


Chart 14

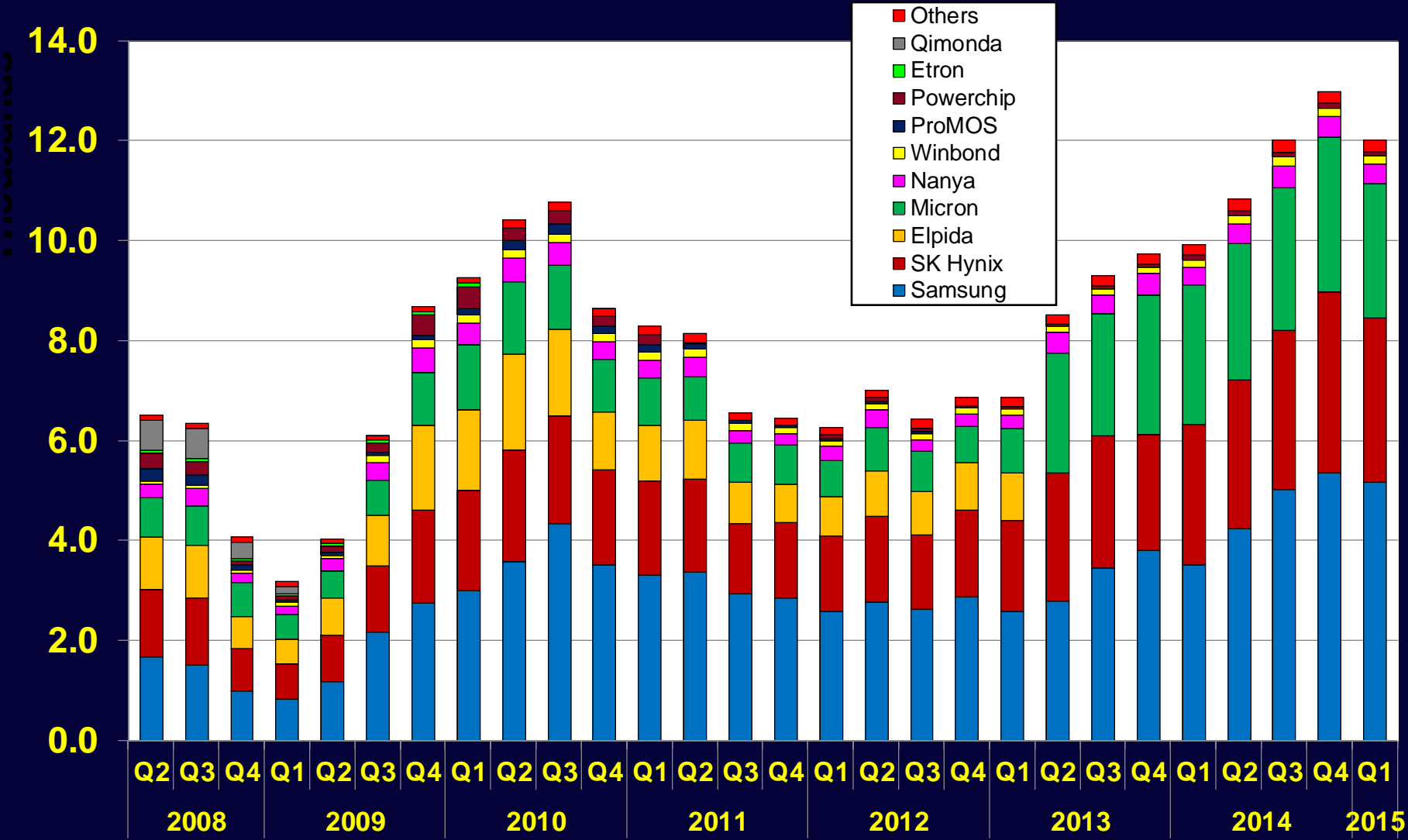
Silver, 5000 oz (Si, Comex)

Price – US\$/Troy ounce (monthly close)

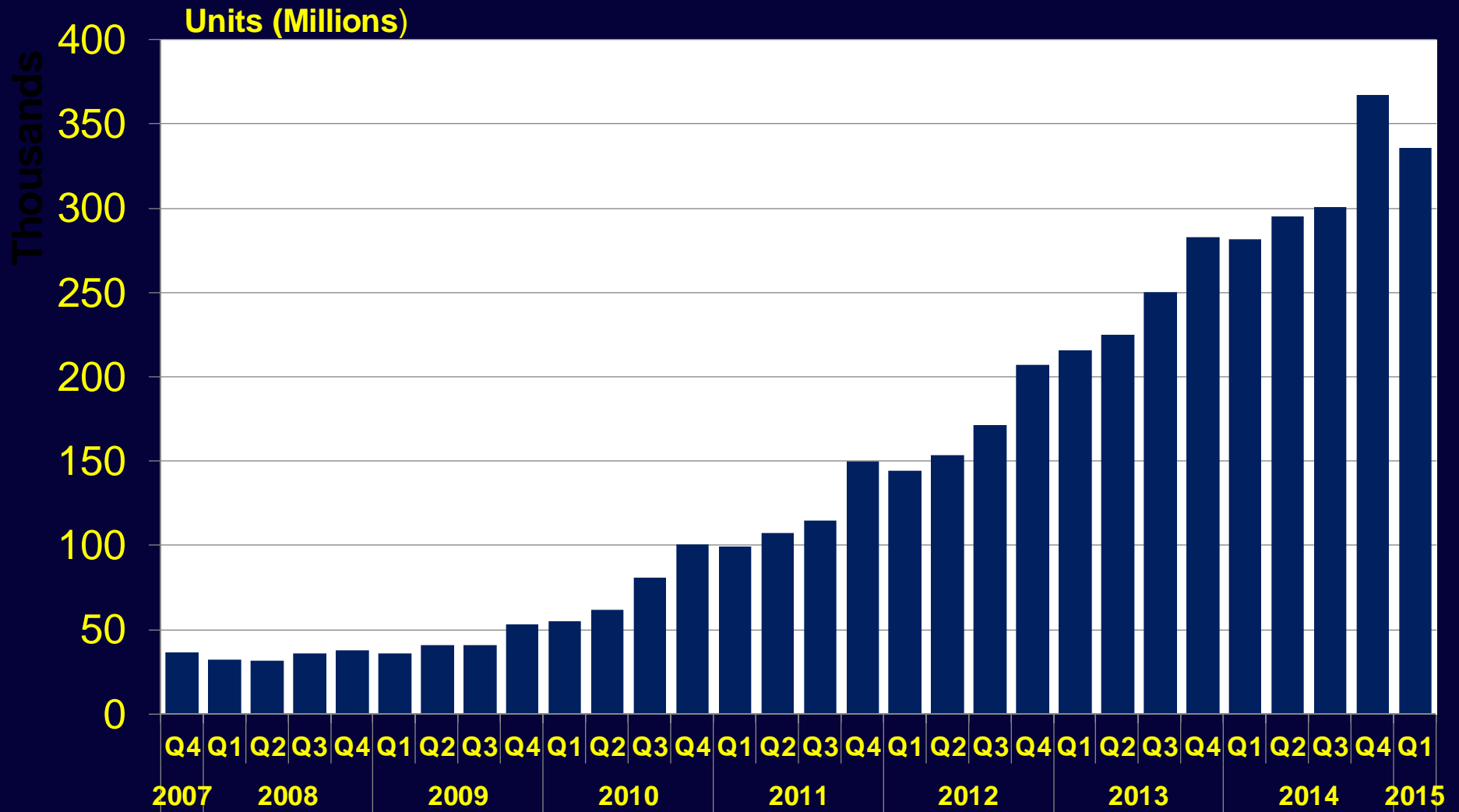


Branded DRAM Revenue

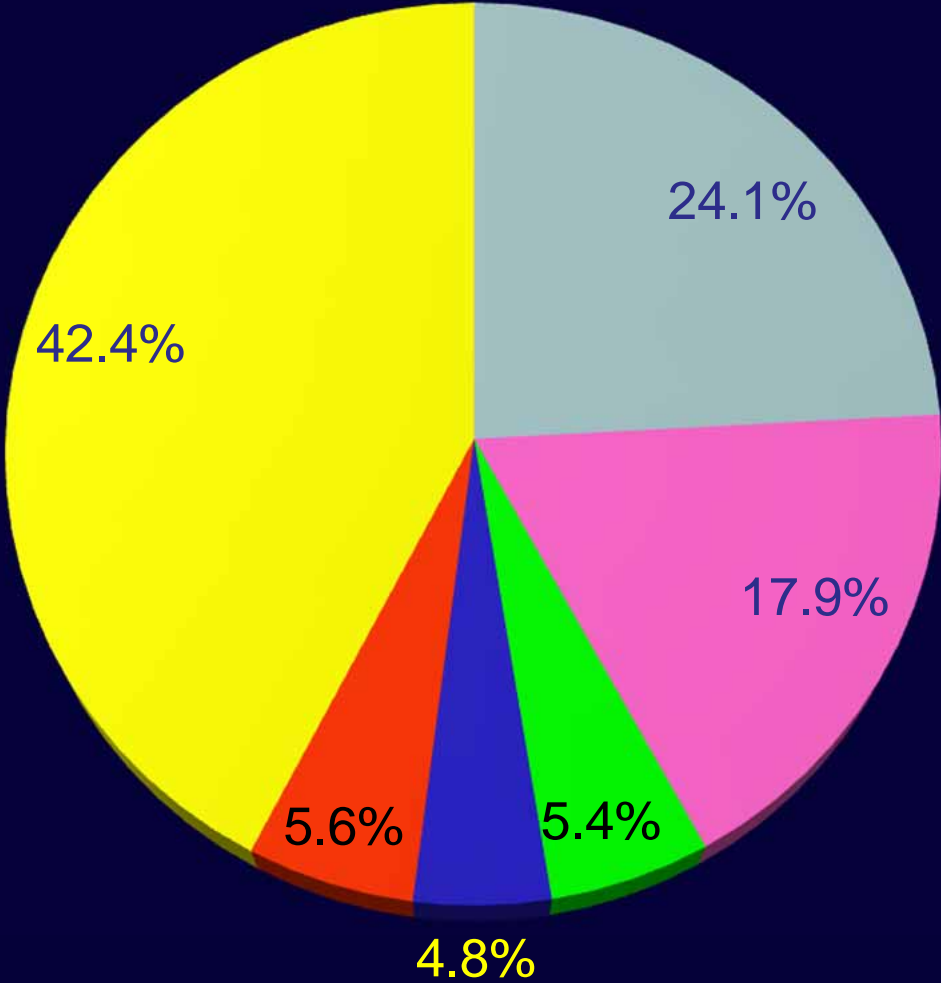
US\$ (Billions)



Smartphone Unit Shipments to End Users World



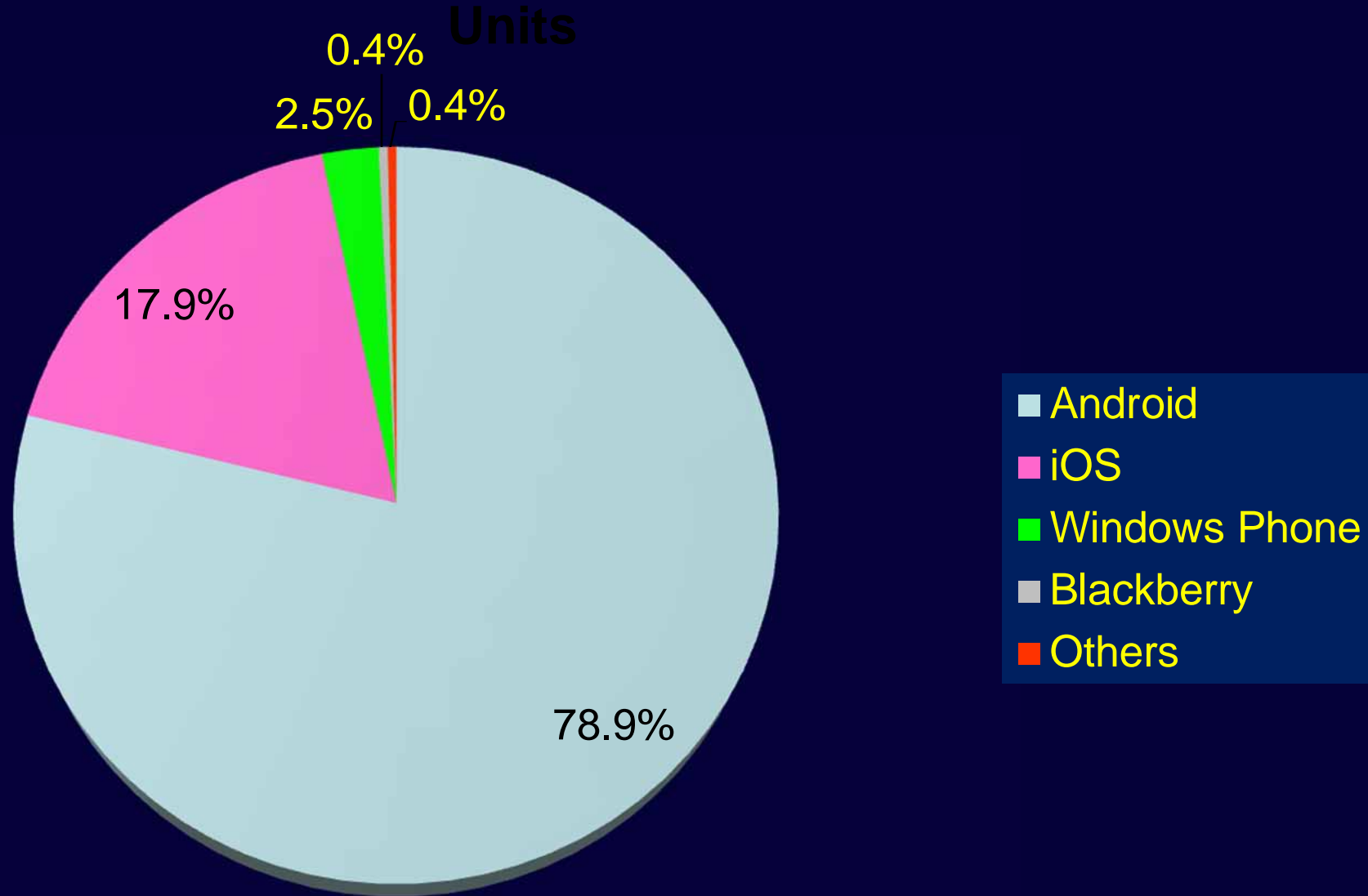
World Smartphone Sales 1Q'15 by Vendor



- Samsung
- Apple
- Huawei
- LG
- Lenovo
- Other

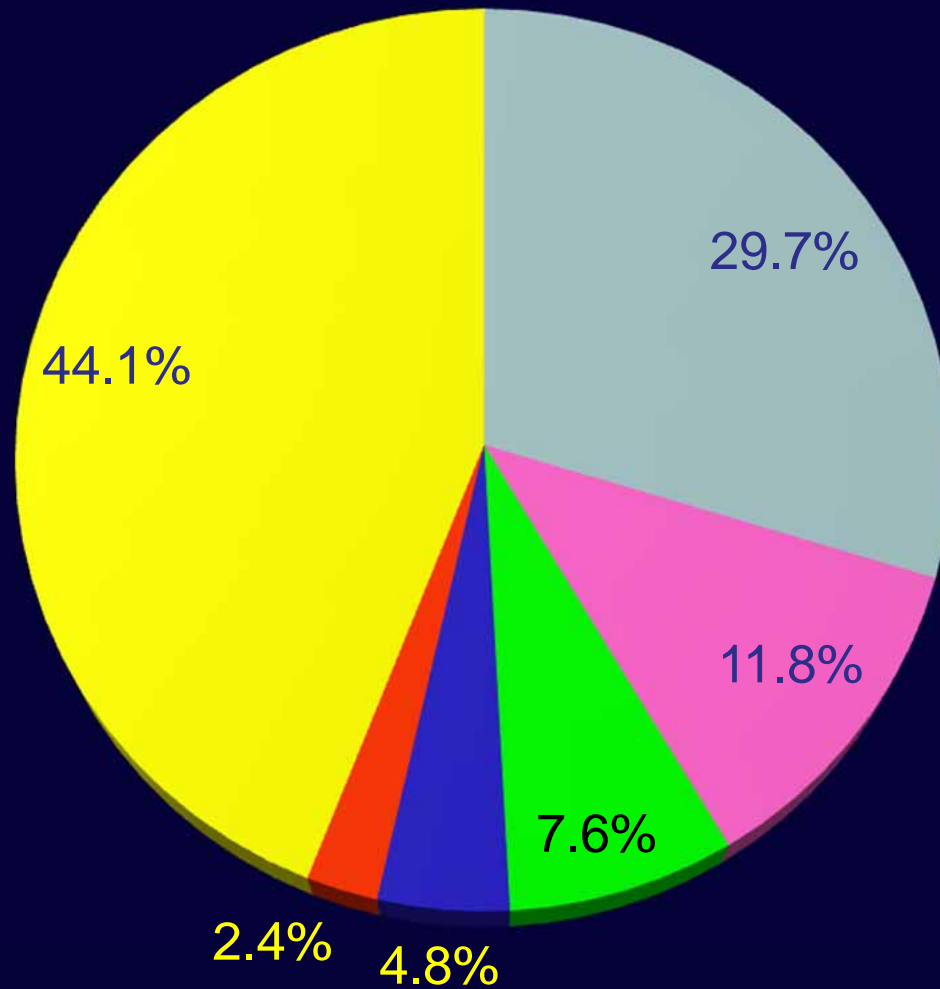
TOTAL: 336 Million Units

World Smartphone Sales by Operating System 1Q'15



TOTAL: 336 Million Units

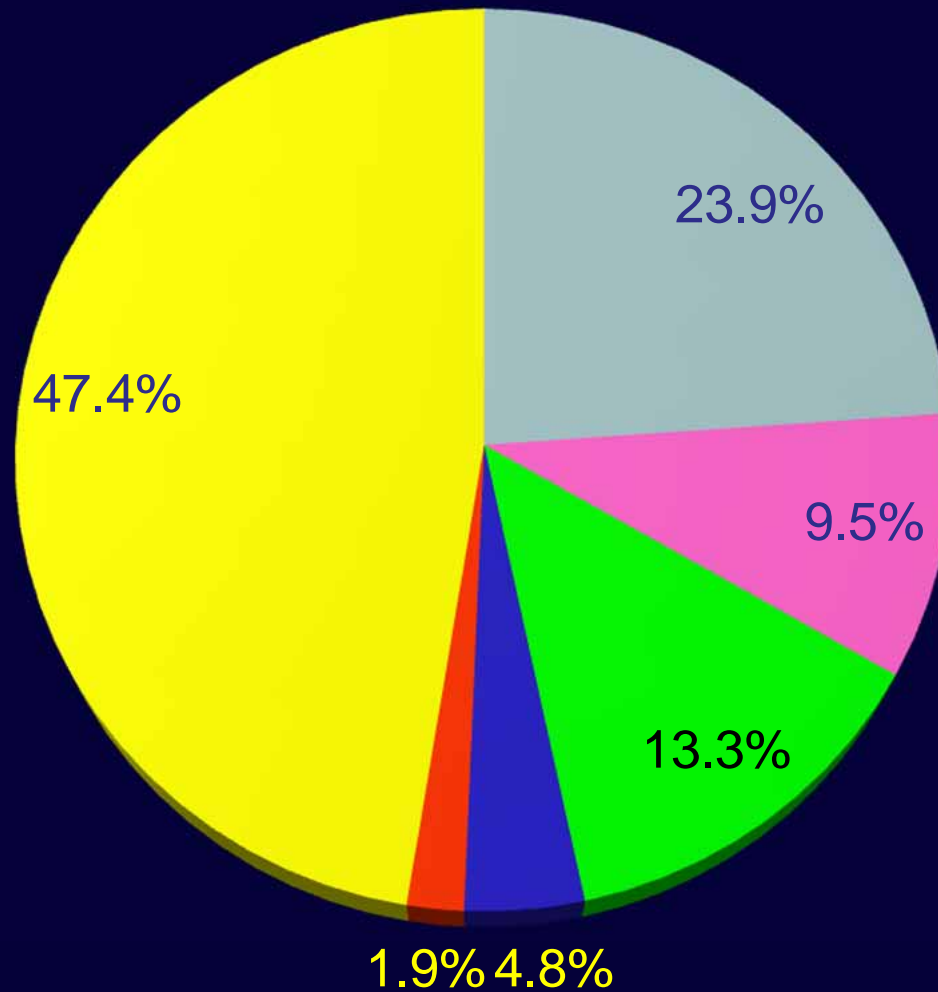
World Smartphone Sales 2015 by Region



- PRC
- USA
- India
- Brazil
- UK
- Others

TOTAL: 1447 Million Units

World Smartphone Sales 2019 by Region

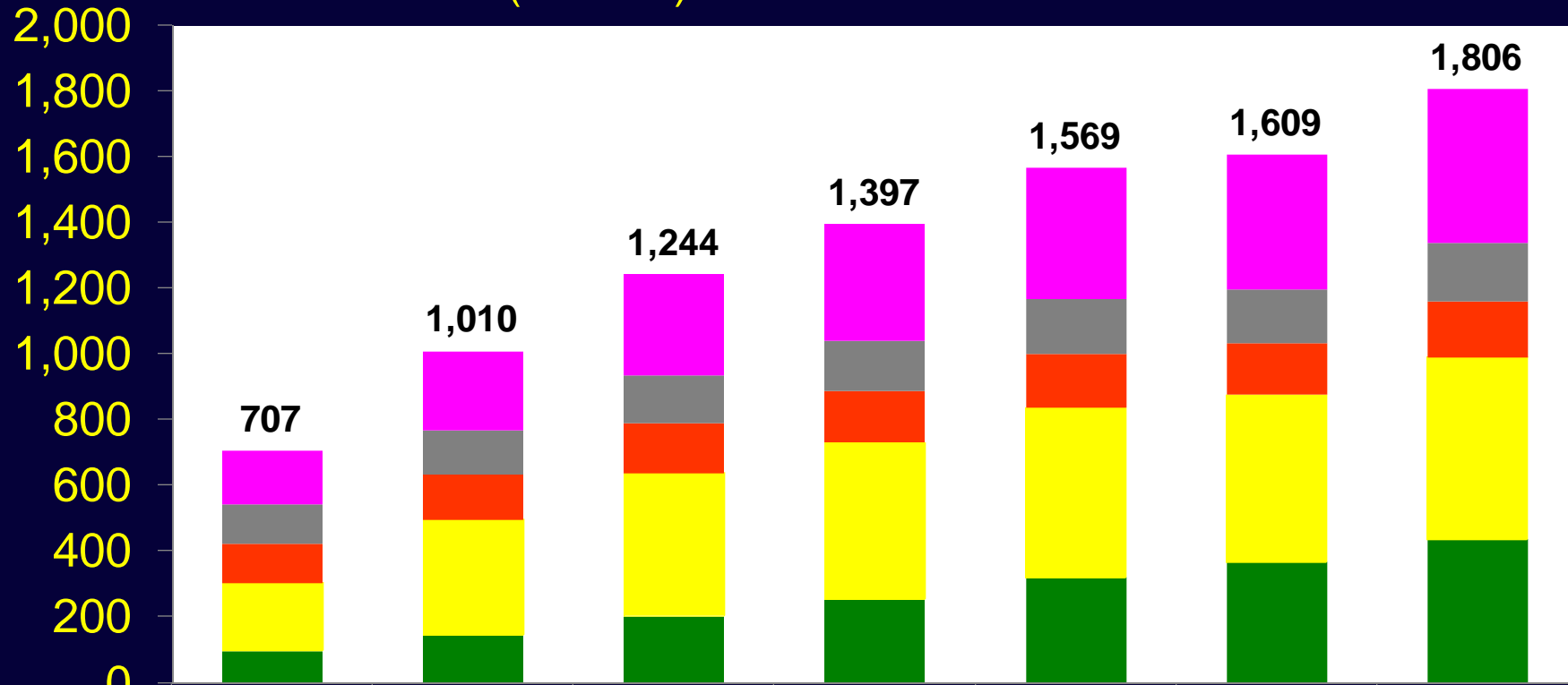


- PRC
- USA
- India
- Brazil
- UK
- Others

TOTAL: 1928 Million Units

Smartphone Shipments by Region

Annual Units (millions)

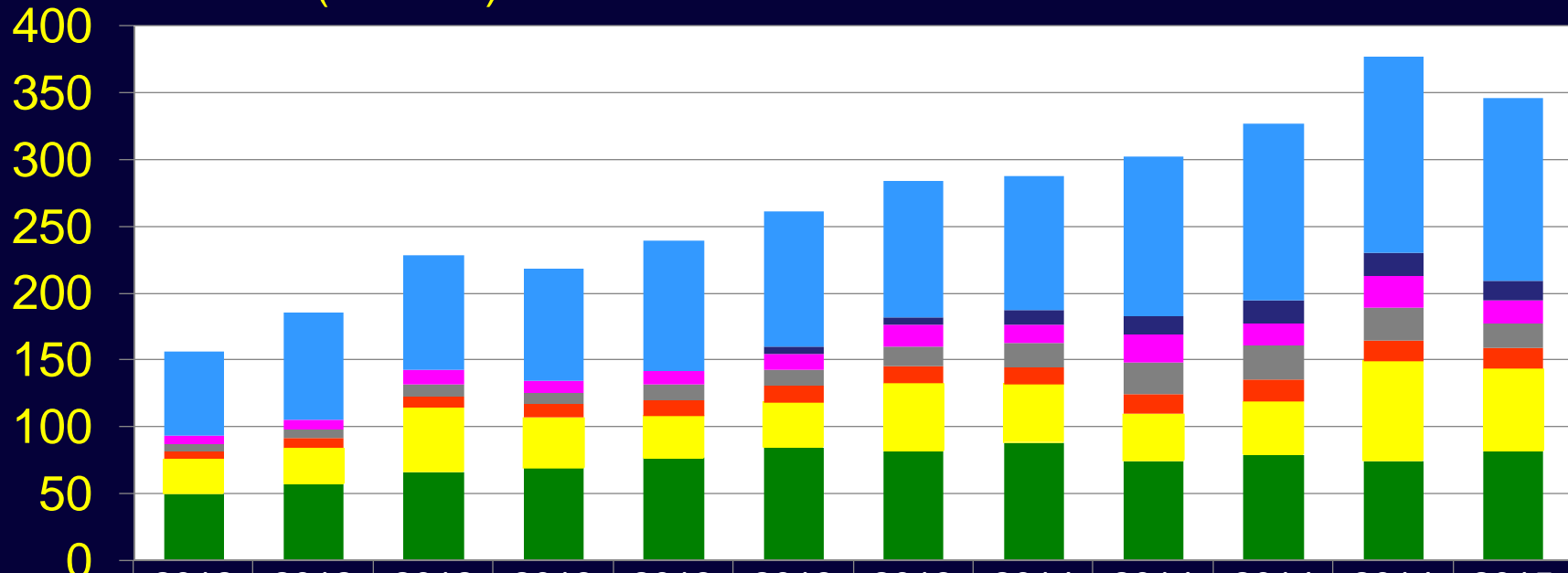


	2012	2013	2014	2015	2016	2017	2018
Total	707	1,010	1,244	1,397	1,569	1,609	1,806
■ ROW	165	240	309	354	402	412	466
■ W Europe	120	136	146	155	166	164	181
■ USA	117	137	152	156	163	156	168
■ China	208	351	435	476	517	508	554
■ Asia/Pacific	97	145	203	255	320	368	437

IDC annual shares and also volumes for 2013-2014 & 2018 5/14
 Custer estimates for 2012 & 2015-2017 volumes

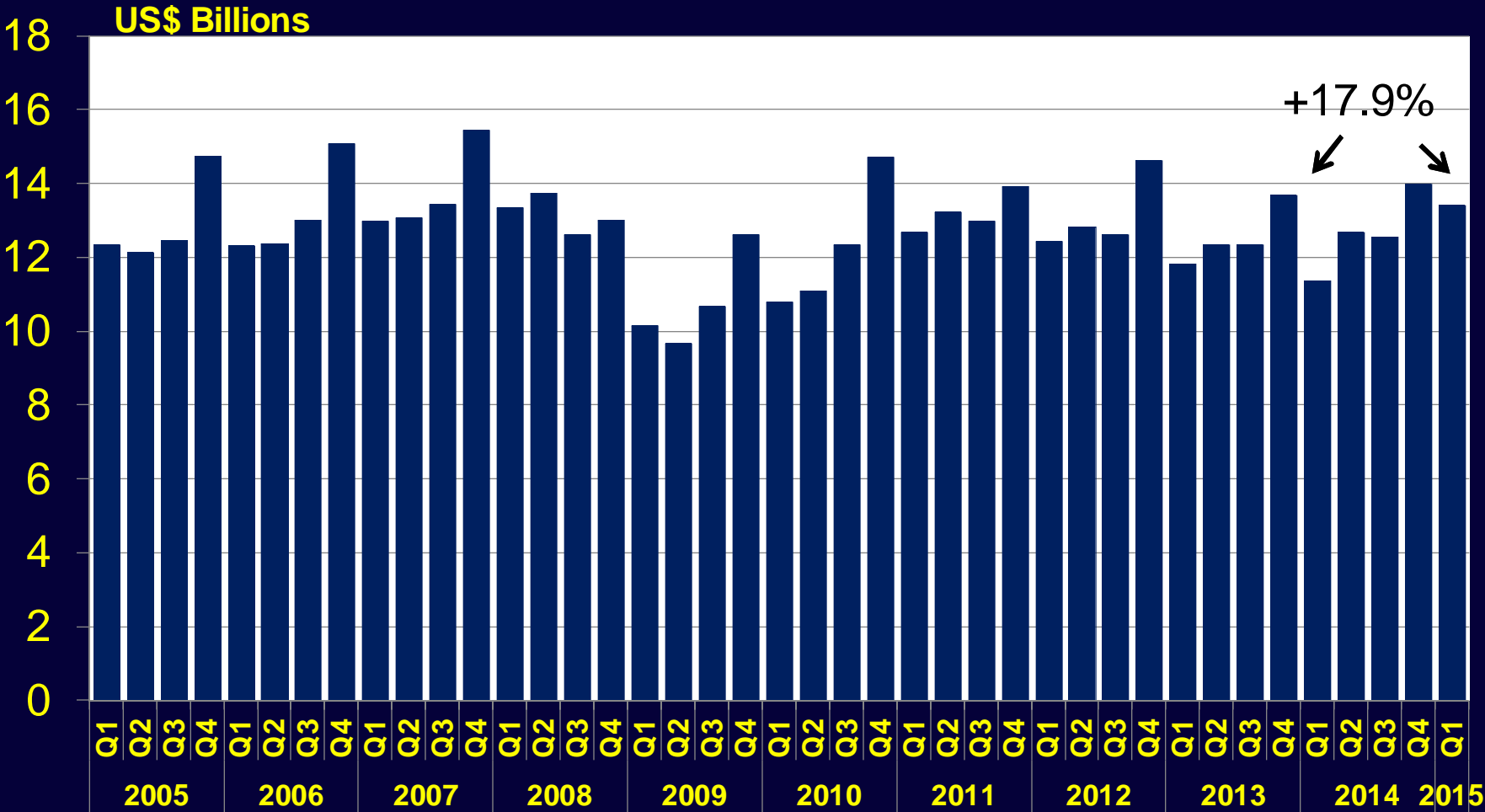
Smartphones World Top Vendors

Units (millions)



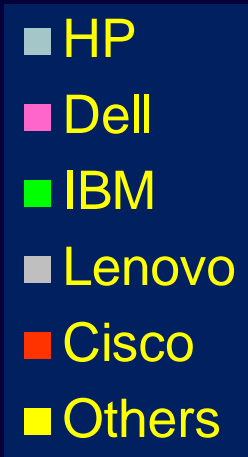
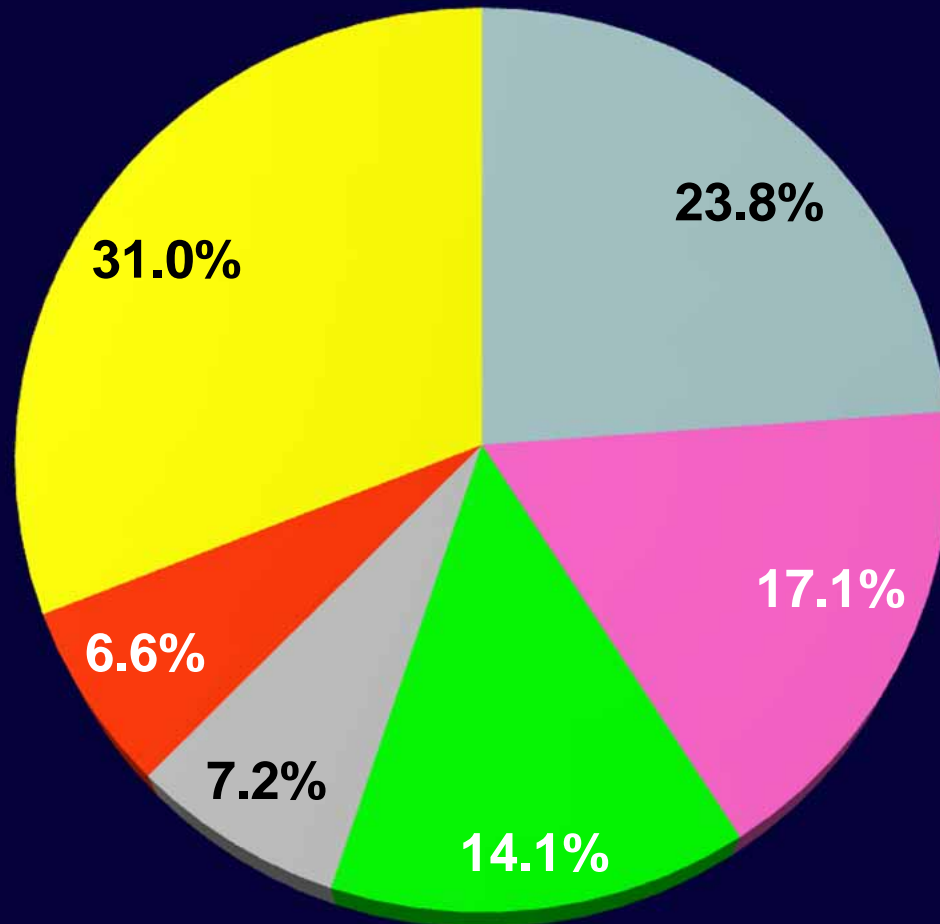
	2012 Q2	2012 Q3	2012 Q4	2013 Q1	2013 Q2	2013 Q3	2013 Q4	2014 Q1	2014 Q2	2014 Q3	2014 Q4	2015 Q1
Others	63.0	80.6	85.9	84.2	97.5	101.0	102.0	100.4	119.2	132.4	147.4	136.7
Xiaomi						5.6	5.9	11.0	13.8	17.3	16.6	15.0
Huawei	6.5	7.1	10.5	9.3	10.4	12.0	16.4	13.5	20.2	16.5	23.6	17.0
Lenovo	4.9	6.9	9.4	7.9	11.4	12.3	13.9	18.9	24.3	25.7	24.7	18.8
LG	5.8	7.0	8.6	10.3	12.1	12.0	13.2	12.3	14.5	16.8	15.6	15.4
Apple	26.0	26.9	47.8	37.4	31.2	33.8	51.0	43.7	35.2	39.3	74.5	61.2
Samsung	50.3	57.8	66.7	69.7	77.3	85.0	82.0	88.5	74.9	79.6	75.1	82.4

World Server Shipment Revenue



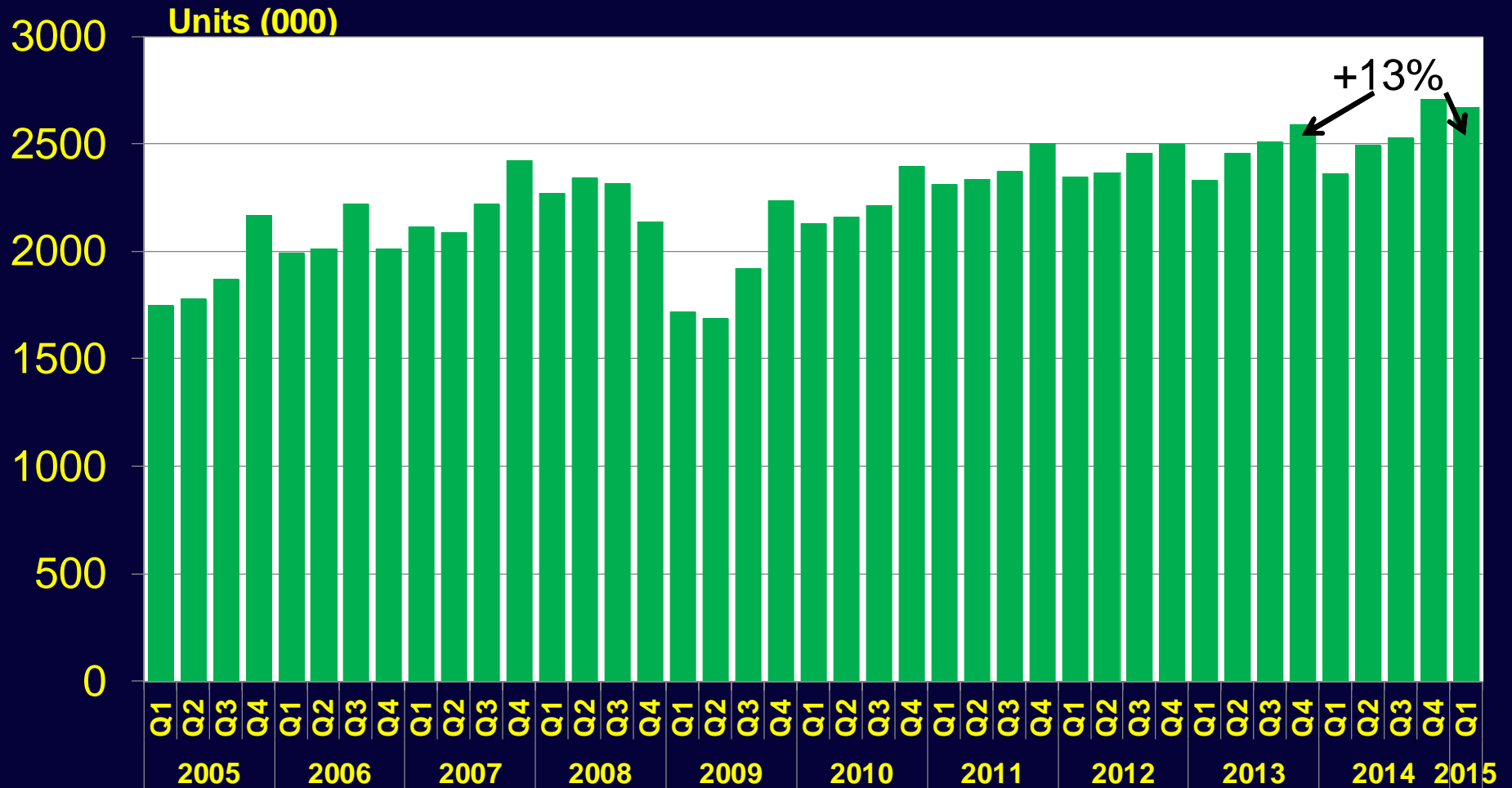
Gartner Dataquest 5/15 & prior reports

World Server Shipments 1Q'15

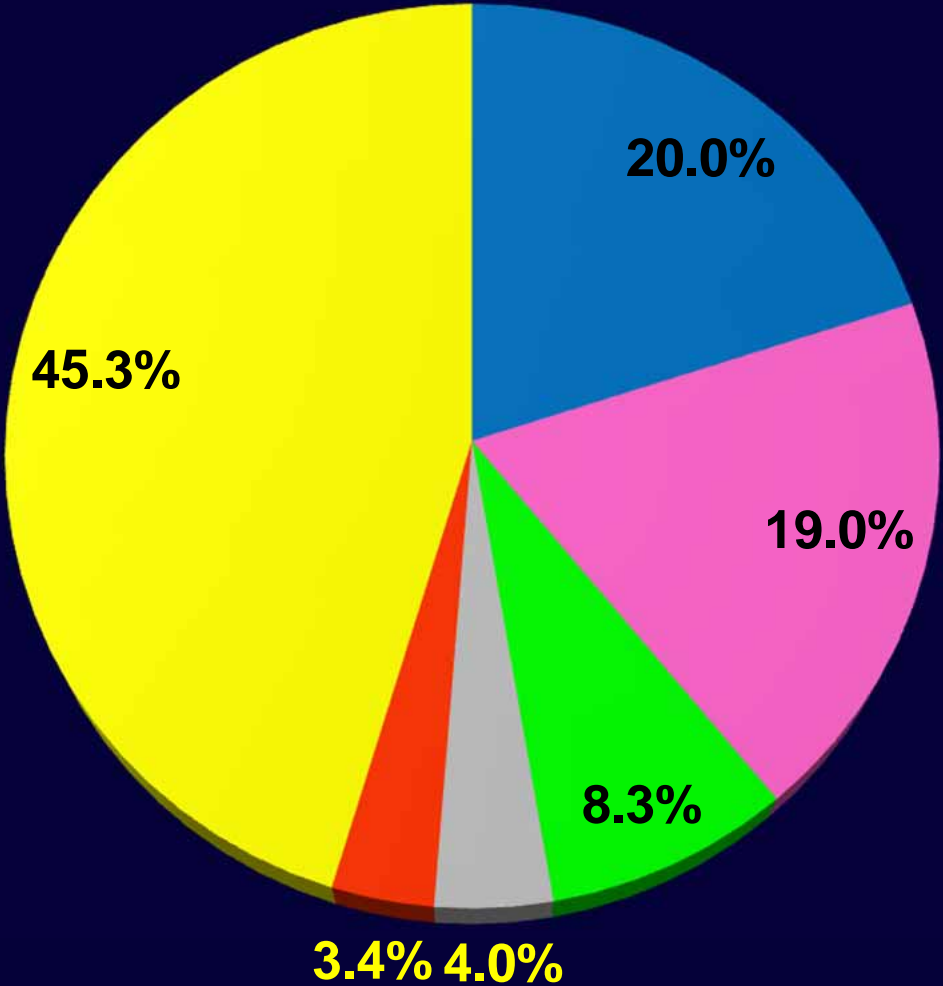


TOTAL: \$13.39 Billion

World Server Shipment Units



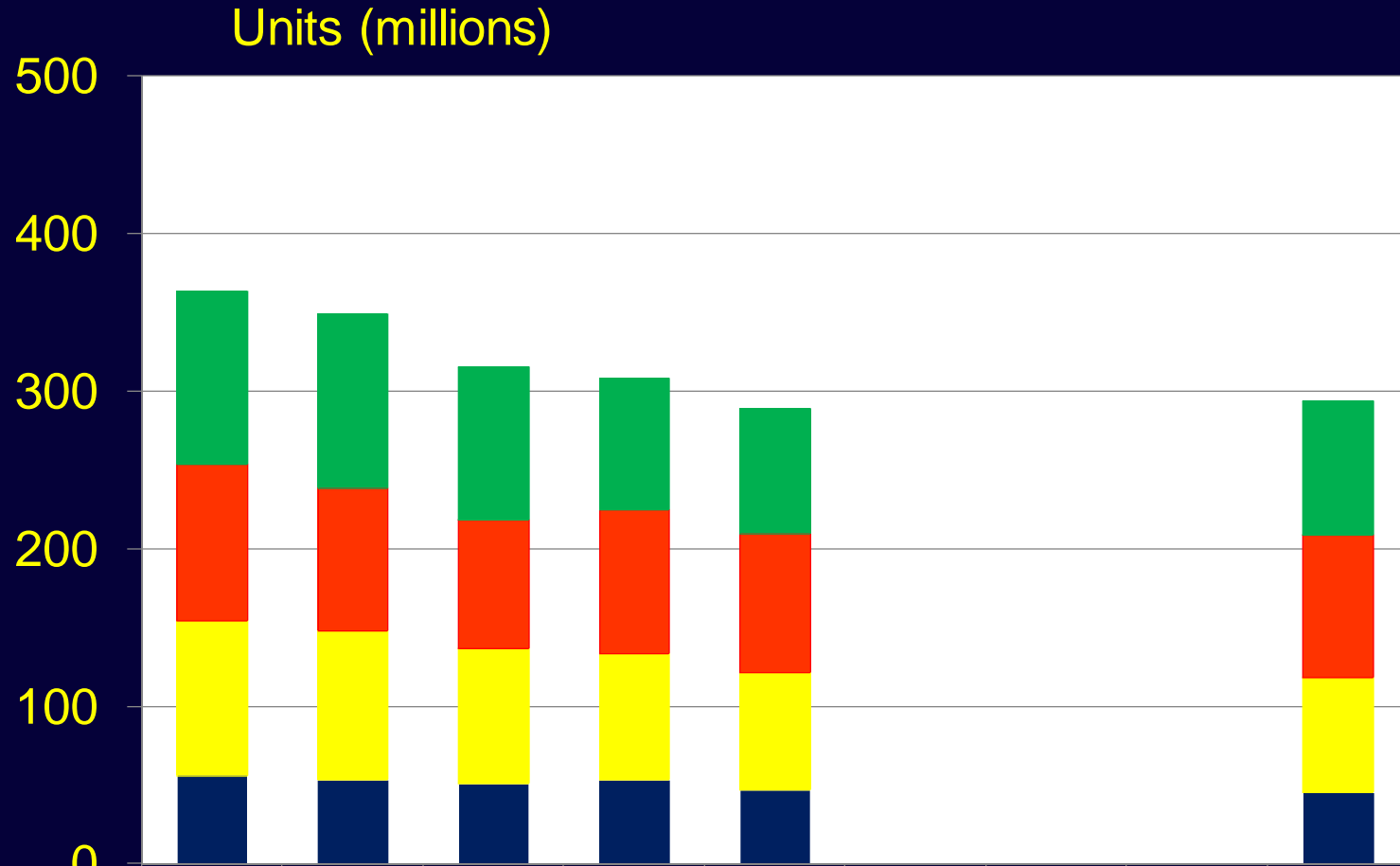
World Server Shipments 1Q'15



- HP
- Dell
- Lenovo
- Huawei
- Inspur
- Others

TOTAL: 2.67 Million Units

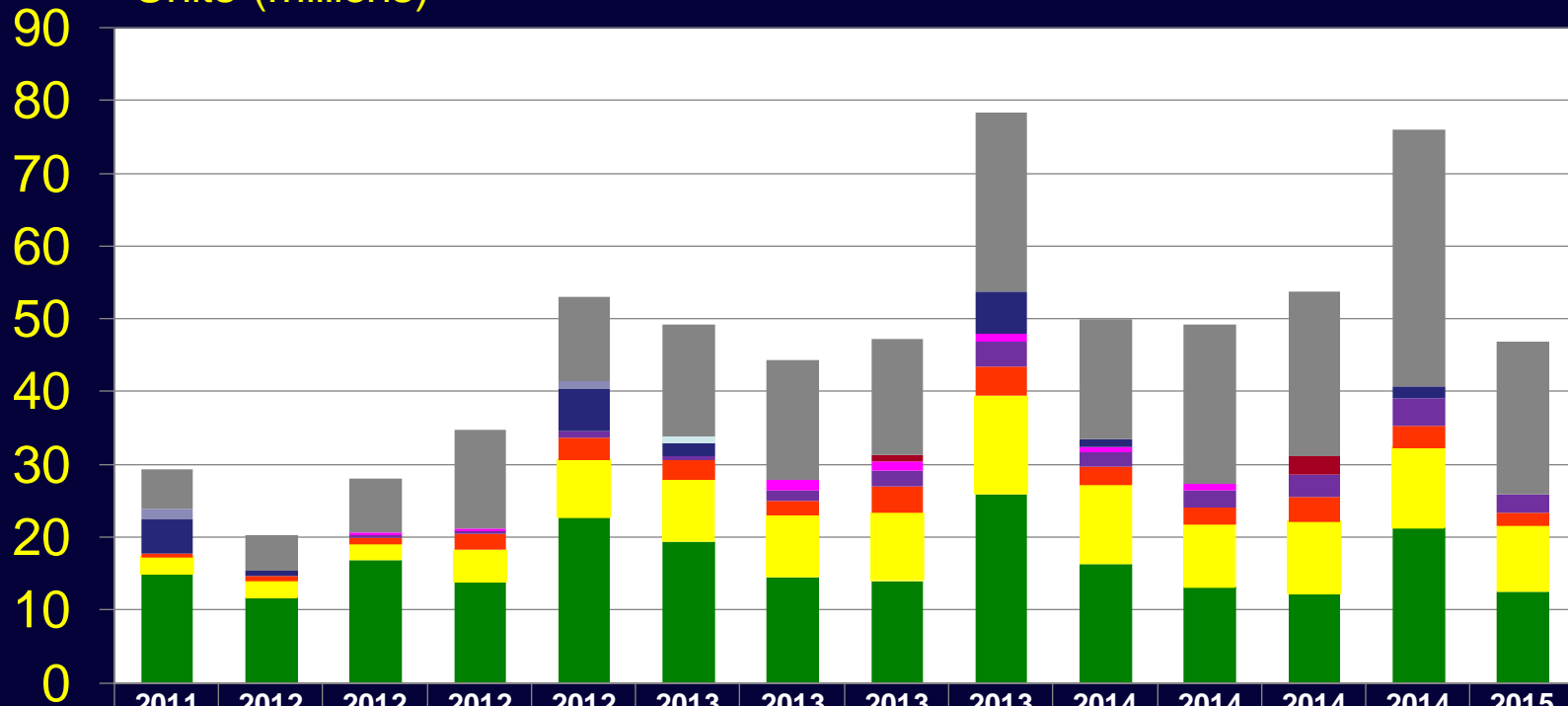
World Computer Shipments Desktops & Portables (mature & emerging markets)



	2011	2012	2013	2014	2015	2016	2017	2018	2019
Portable-Emerging Market	110	110	96	83	79				85
Portable-Mature Market	99	91	82	91	88				90
Desktop-Emerging Market	99	95	86	80	75				73
Desktop-Mature Market	56	54	51	53	47				45

Media Tablets World Top 5 Vendors

Units (millions)



	2011 Q4	2012 Q1	2012 Q2	2012 Q3	2012 Q4	2013 Q1	2013 Q2	2013 Q3	2013 Q4	2014 Q1	2014 Q2	2014 Q3	2014 Q4	2015 Q1
Others	5.5	4.9	7.4	13.5	11.6	15.5	16.4	16.0	24.6	16.6	21.9	22.5	35.2	21.1
RCA								0.9				2.6		
Barnes & Noble	1.4				1.0									
Microsoft		0.0				0.9								
Amazon	4.7	0.7			5.9	1.8			5.8	1.0			1.7	
Acer			0.4	0.3			1.5	1.2	1.1	0.7	1.0			
Lenovo			0.4	0.4	0.8	0.6	1.5	2.3	3.4	2.0	2.4	3.0	3.7	2.5
Asus	0.6	0.6	0.9	2.3	3.1	2.6	2.0	3.6	4.0	2.6	2.3	3.5	3.0	1.8
Samsung	2.2	2.3	2.1	4.3	7.8	8.5	8.4	9.3	13.5	10.8	8.5	9.9	11.0	9.0
Apple	15.1	11.8	17.0	14.0	22.9	19.5	14.6	14.1	26.0	16.4	13.3	12.3	21.4	12.6

Media Tablet plus 2-in-1 Shipments by Operating System

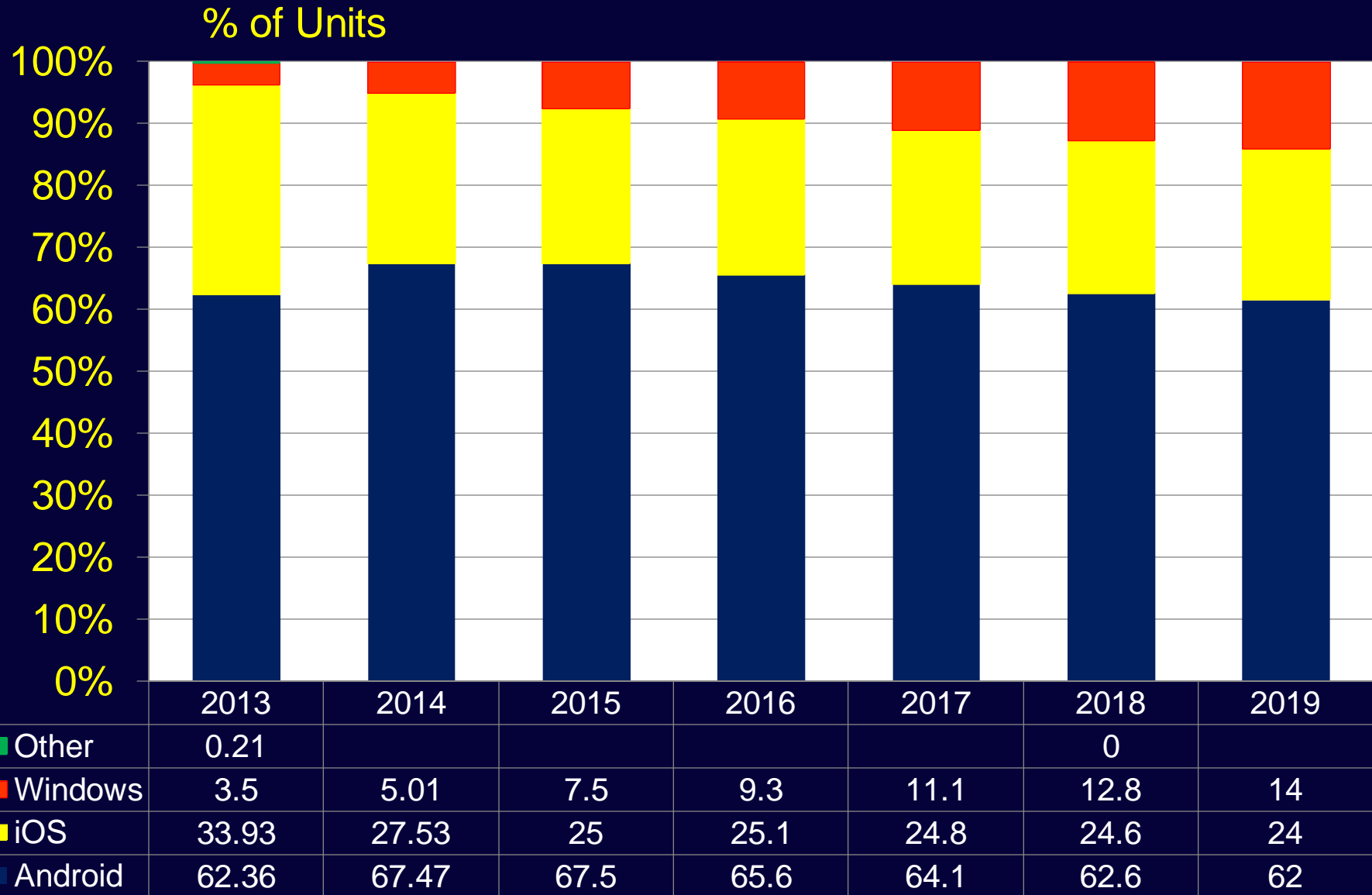
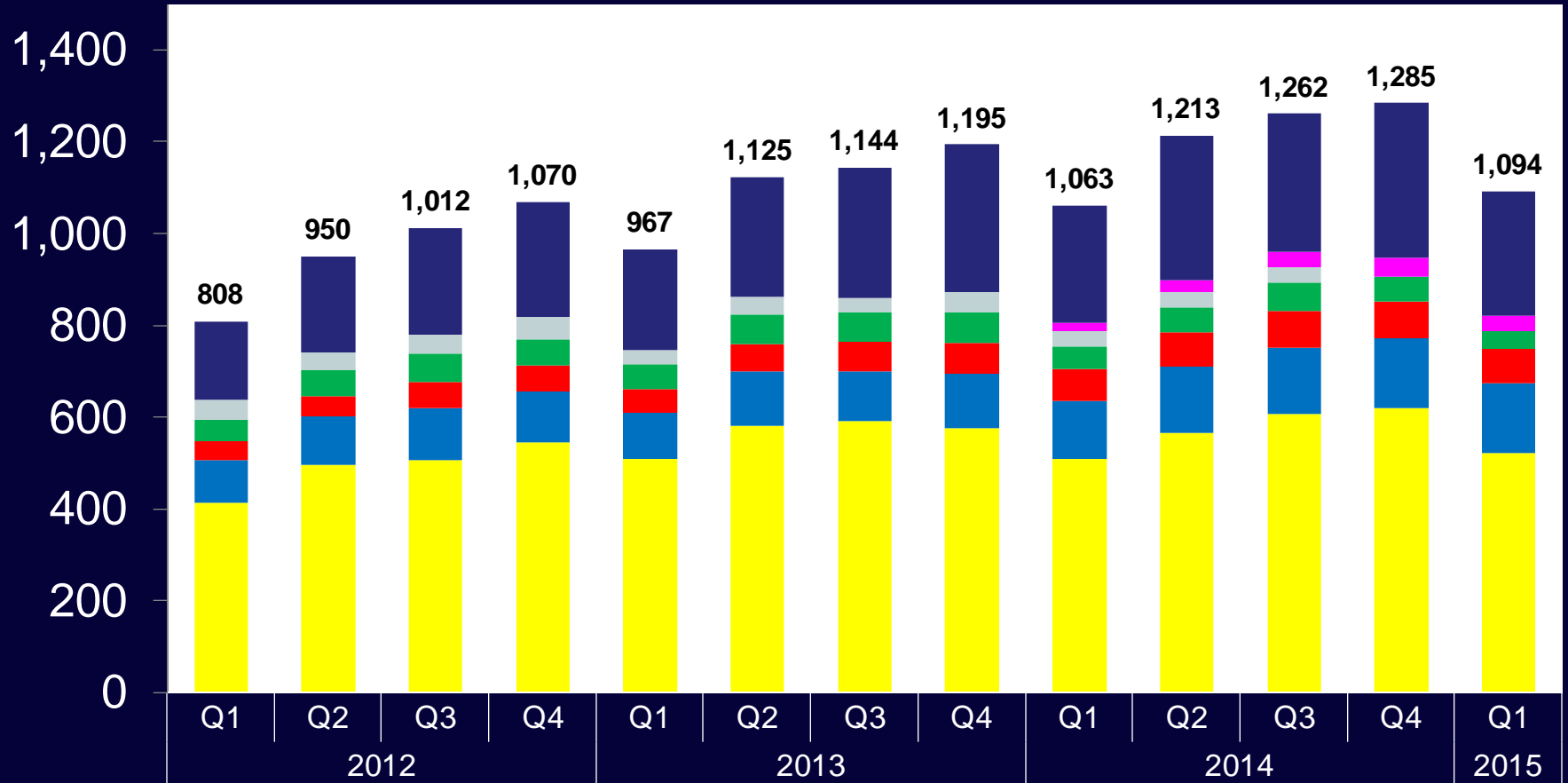


Chart 30

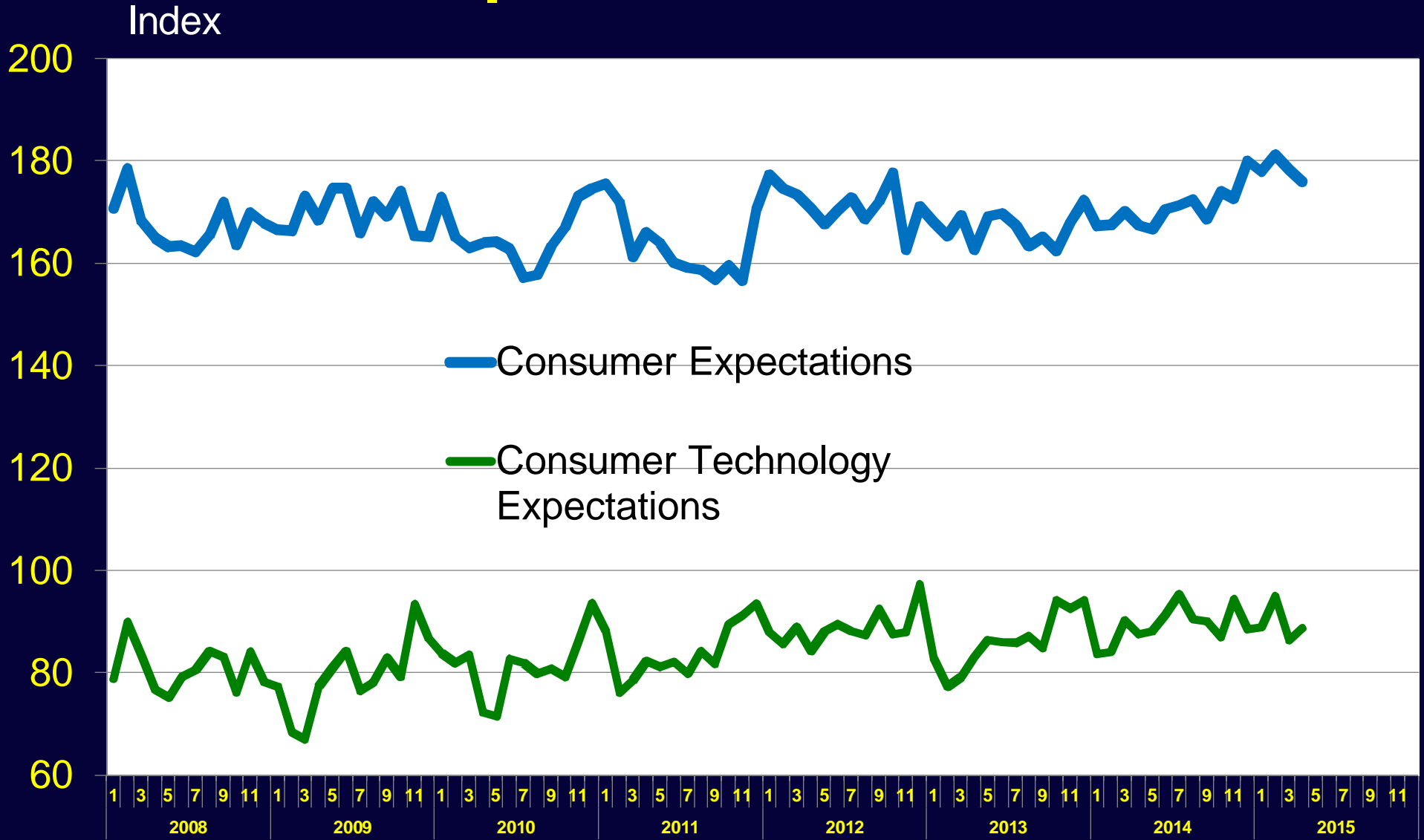
Worldwide Enterprise WLAN Vendors



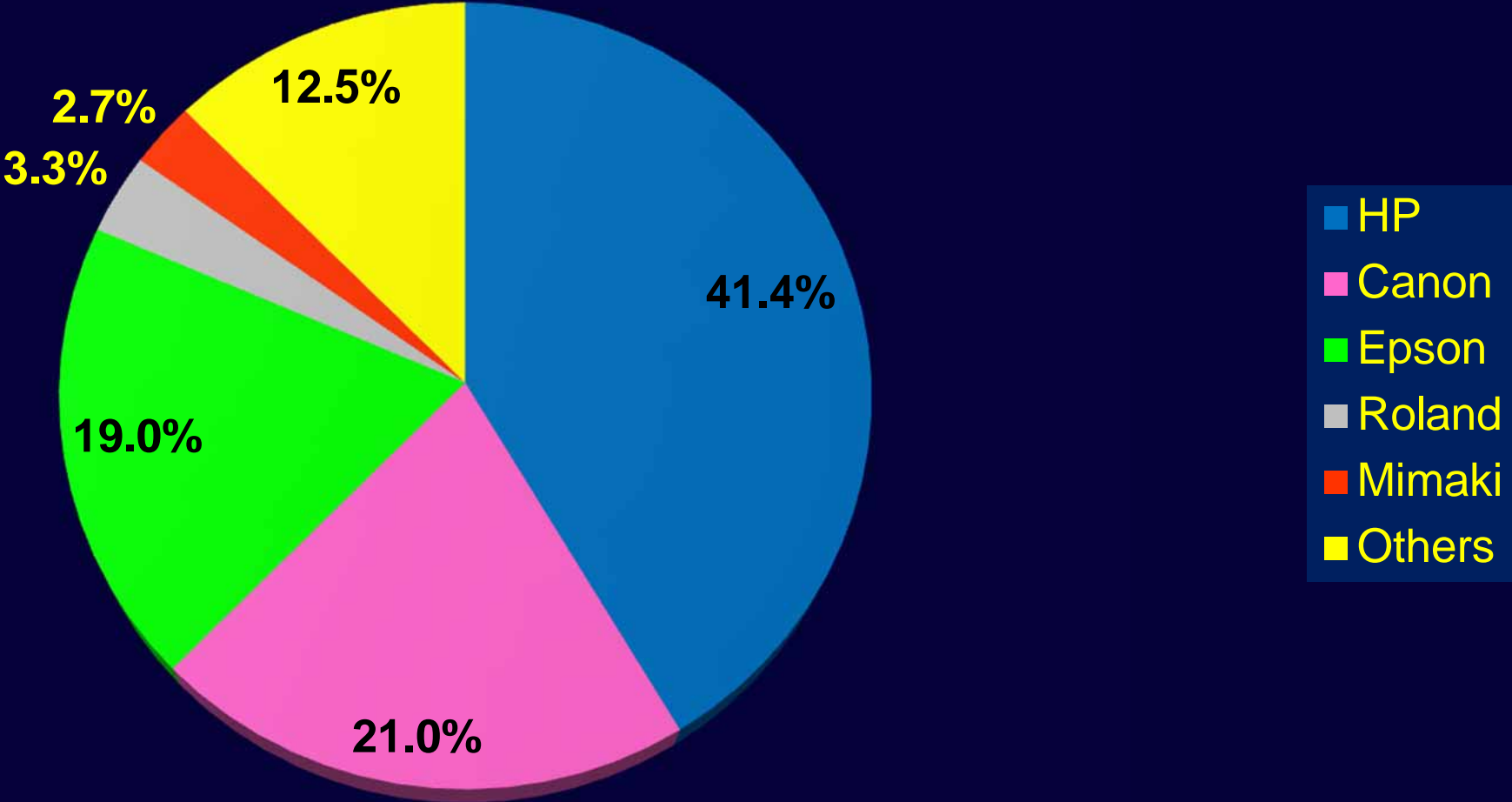
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
	2012				2013				2014				2015
Total	808	950	1012	1070	967	1125	1144	1195	1063	1213	1262	1285	1094
Others	171	209	230	251	220	261	282	321	255	315	301	336	272
Ubiquiti									20	24	33	42	32
Motorola Solutions	42	39	41	49	32	38	32	45	33	35	34		
HP	46	56	63	55	52	66	64	65	47	54	62	55	40
Ruckus	42	43	56	57	52	59	64	68	70	75	79	79	75
Aruba	93	105	113	113	101	120	108	117	127	143	145	151	152
Cisco	414	498	508	545	510	581	593	578	510	567	609	622	522

IDC 5/15 & prior press releases

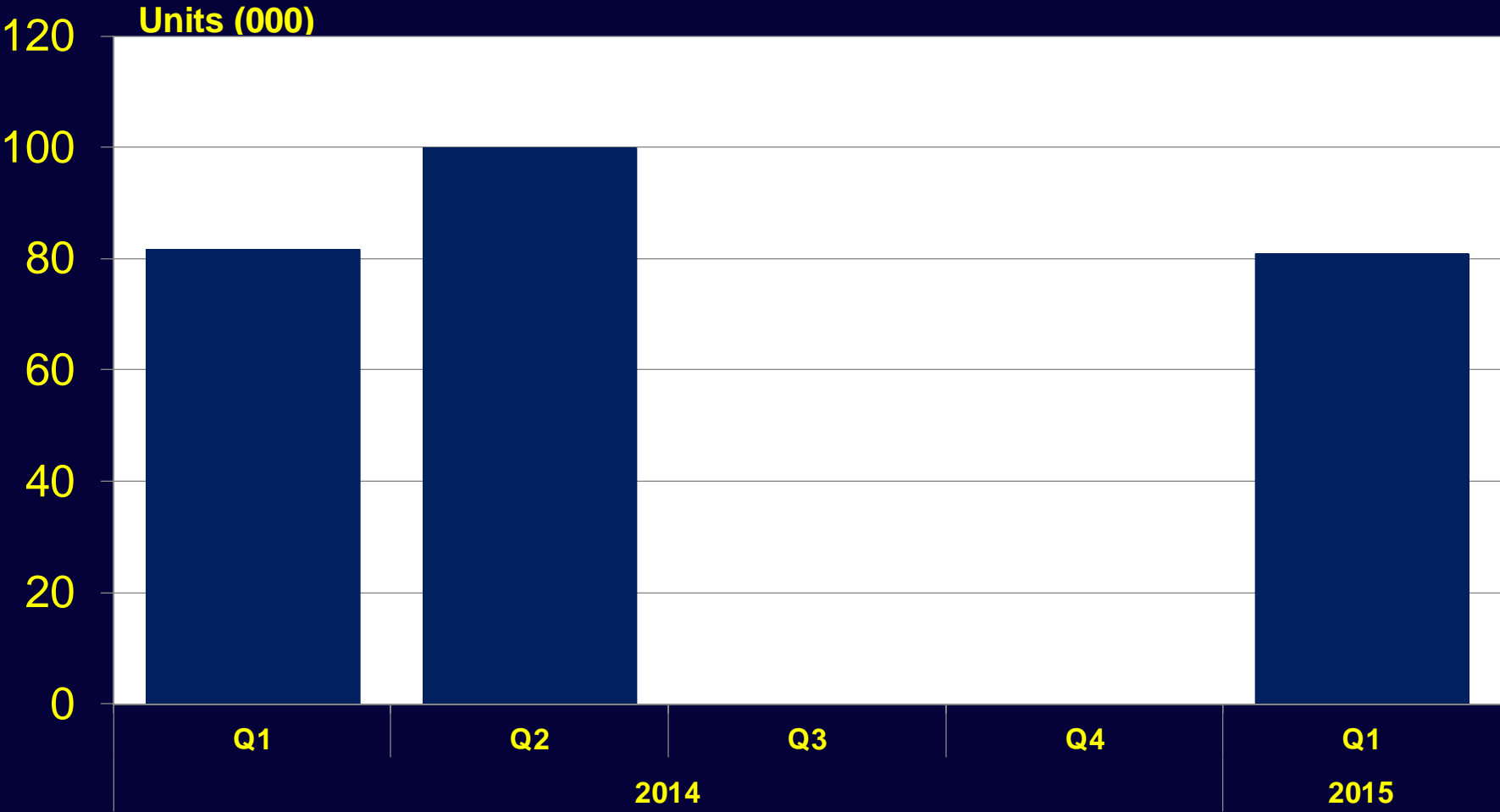
Consumer Electronics Association Expectation Indices



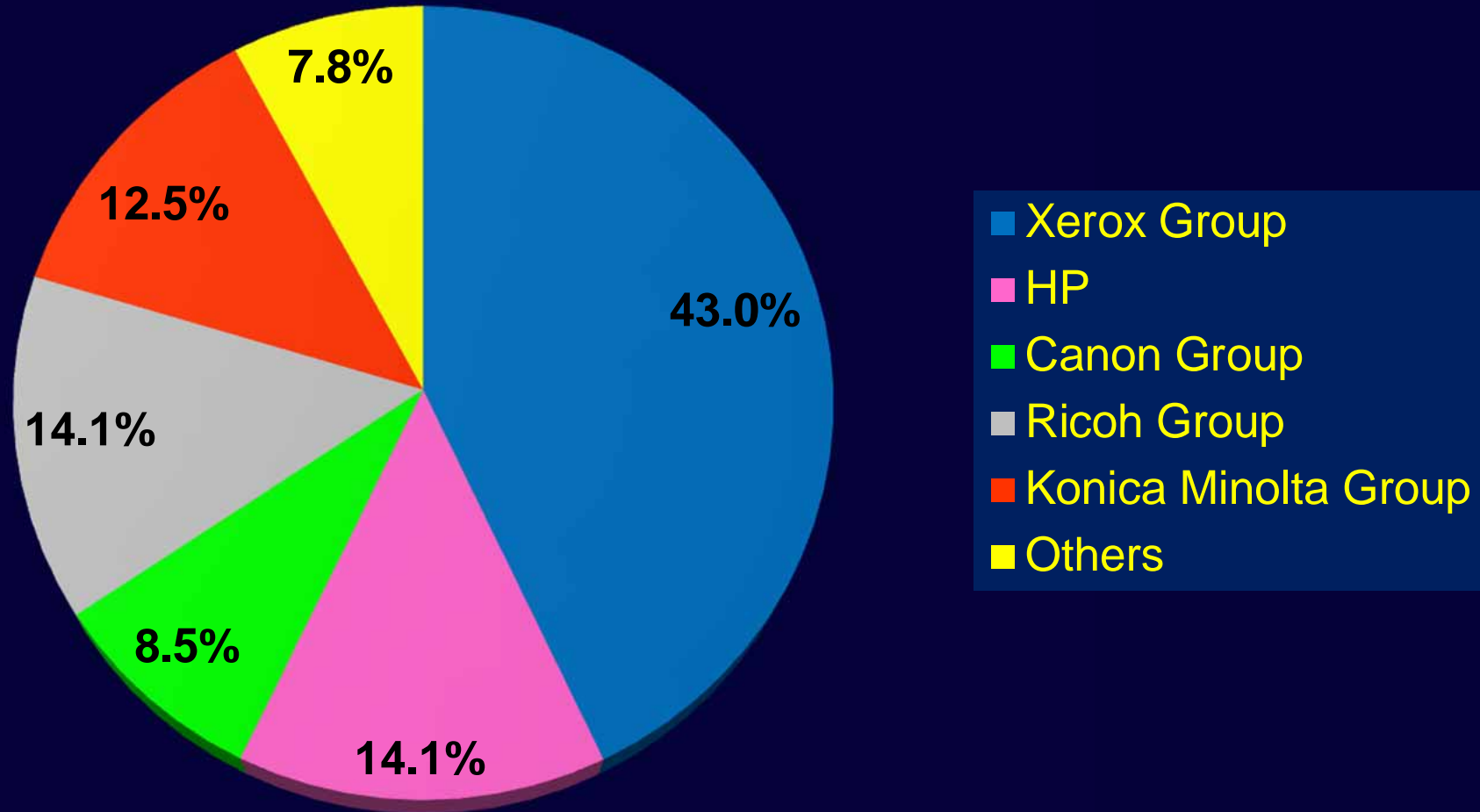
World Large Format Printer Unit Shipments 1Q'15



World Large Format Printer Shipments



World Production Printer Shipments 1Q'15



TOTAL: \$1,160 Million

World Production Printer Shipments

